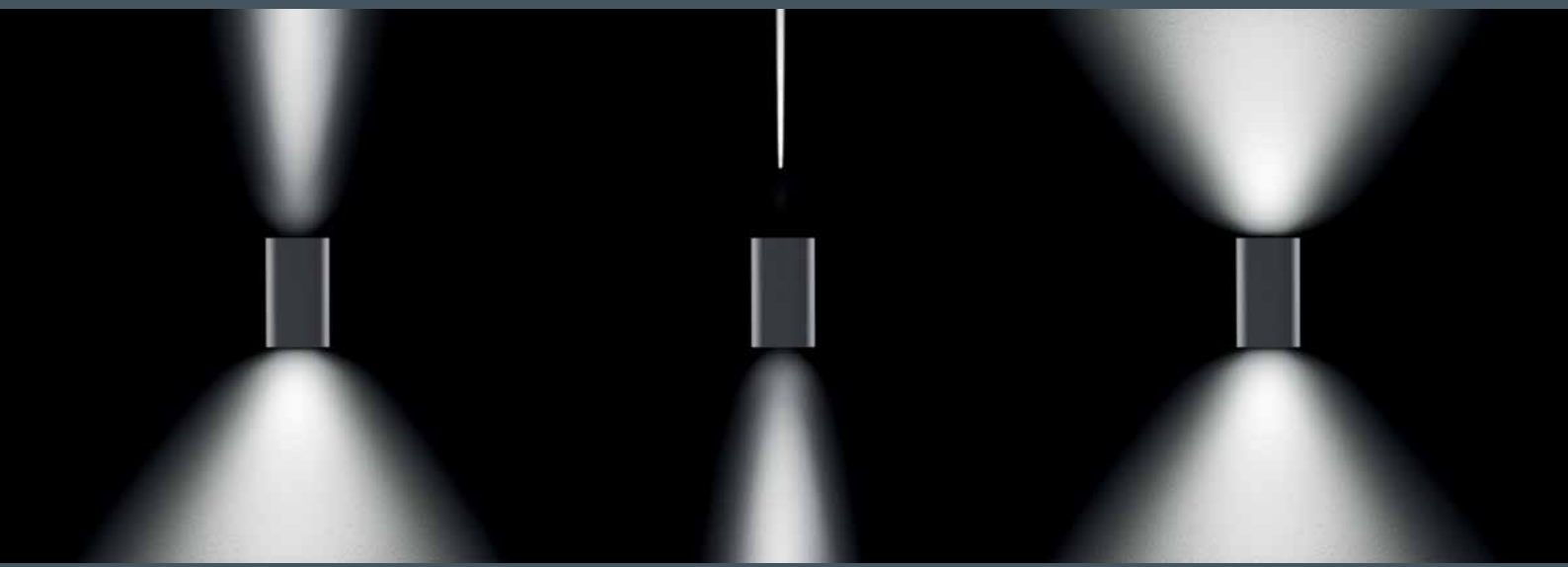








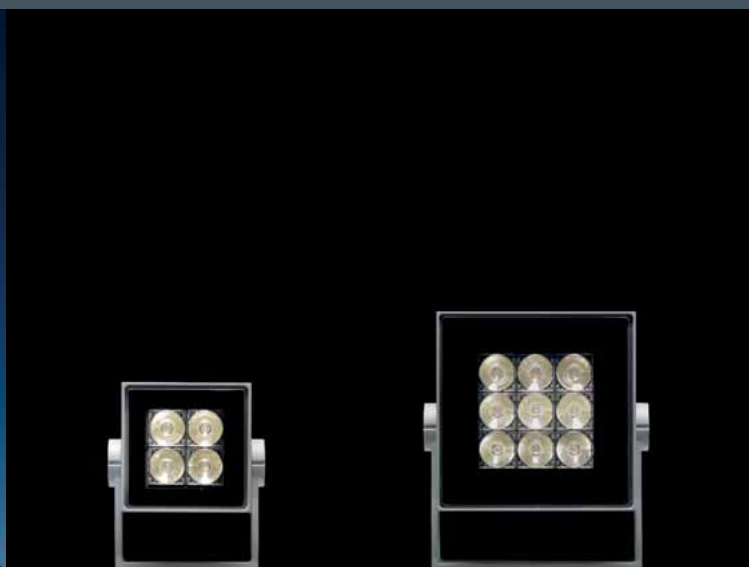


For decades Meyer has been specialised in the development and production of exterior luminaires. We manufacture perfect lighting tools of exemplary design.

Precise optical systems offer a high degree of efficiency and optimal glare control. Because of their small dimensions and integral drivers our luminaires can be incorporated discretely into any architectural environment. A high degree of reliability is ensured by the use of top quality materials such as a corrosion resistant, low copper aluminium alloy. Efficient heat management guarantees longevity of the LED components. The LED modules of all luminaires we manufacture are registered and documented. This enables us to ensure continuity of colour temperature and brightness if we have to supply replacements or additional quantities for existing projects. The lumen figures quoted in our documentation are always delivered lumens.

The latest and technically current version of our products is always to be found on our website.

**[www.meyer-lighting.com](http://www.meyer-lighting.com)**





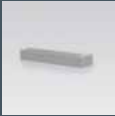
Around the globe luminaires from Meyer are used for demanding lighting projects. From façade lighting to the illumination of urban spaces our products are the preferred tools of renowned lighting designers.

Exterior lighting products are generally installed permanently in all sorts of architectural environments. This is why we strive to make our product design timeless and neutral. Our products work with precision and reliably behind the scenes and do not try to push themselves into the foreground. They are discreet and allow the architecture to present itself advantageously at night.

82 Baker Street, London | Tony Rimmer, Studio 29

Kajparterren, Stockholm | Bjerking AB, Lena Hildeman |  
Photo: Sten Jansin

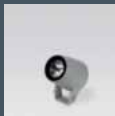
| Façade luminaires                                                                |                                                                                   |                                                                                   |                                                                                   | 6 - 45 |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|
|  |  |  |  |        |
| <b>8</b><br>Ecoline Mini                                                         | <b>18</b><br>Ecoline                                                              | <b>30</b><br>Arclux Mini                                                          | <b>31</b><br>Arclux/RGBW                                                          |        |

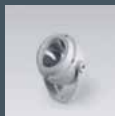
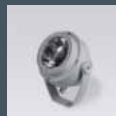
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|  |  |  |  |  |  |  |  |  |
| <b>34</b><br>Highline                                                            | <b>35</b><br>Highline with wall arm                                               | <b>38</b><br>Expolux                                                              | <b>39</b><br>Expolux with wall arm                                                | <b>42</b><br>Ecovision Mini                                                       | <b>43</b><br>Ecovision Mini with wall arm                                         | <b>44</b><br>Ecovision                                                            | <b>45</b><br>Ecovision with wall arm                                                |  |

| Floodlights                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 46 - 167 |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
|  |  |  |  |  |  |  |  |          |
| <b>48</b><br>Nanocube                                                            | <b>54</b><br>Superlight Nano 1                                                    | <b>56</b><br>Superlight Nano 2                                                    | <b>60</b><br>Superlight Nano 3                                                    | <b>62</b><br>Superlight Nano 4/RGBW                                               | <b>66</b><br>Superlight Nano 5                                                    | <b>70</b><br>Superlight Compact Micro/RGB                                         | <b>73</b><br>Superlight Compact/LED                                                 |          |

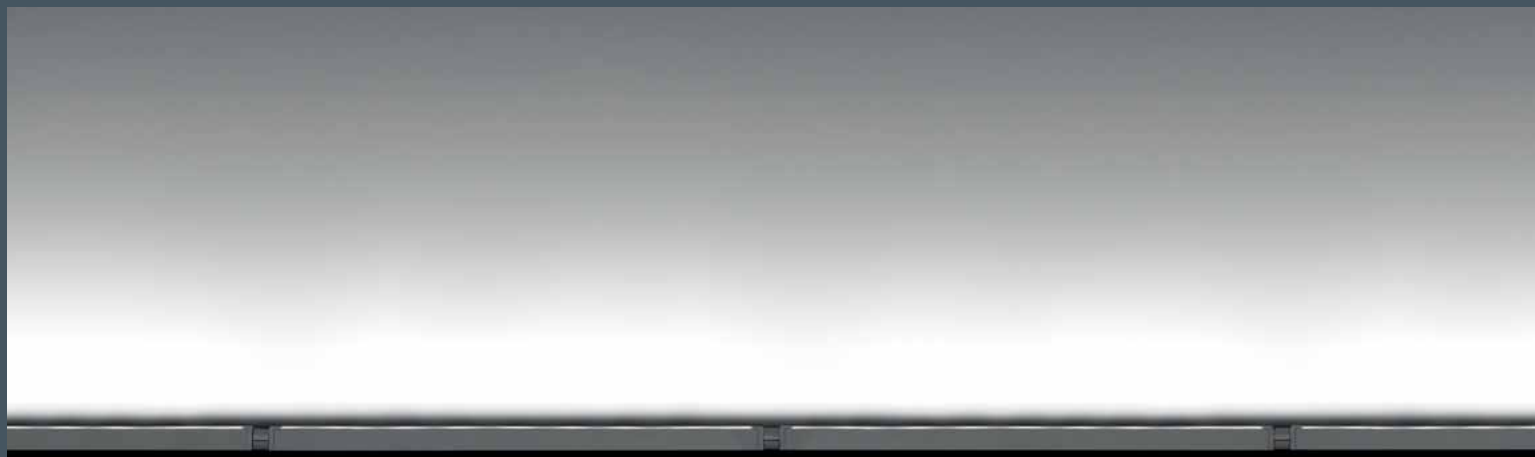
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|  |  |  |  |  |  |
| <b>86</b><br>Superlight LED 1                                                     | <b>87</b><br>Superlight LED 2                                                      | <b>88</b><br>Superlight LED 3/3+                                                   | <b>94</b><br>Ecolum                                                                | <b>96</b><br>LED floodlights                                                       |  |

|                                                                                    |                                                                                     |                                                                                     |                                                                                     |  |
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|  |  |  |  |  |
| <b>102</b><br>Monoflood 1 •                                                        | <b>104</b><br>Monoflood 2 •                                                         | <b>106</b><br>Monoflood 3 •                                                         | <b>108</b><br>Monoflood 4 •                                                         |  |

|                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
|  |  |  |  |  |  |  |
| <b>120</b><br>Monospot Mini •                                                      | <b>122</b><br>Monospot 1                                                            | <b>123</b><br>Monospot 2                                                            | <b>124</b><br>Monospot 3                                                            | <b>127</b><br>Monospot 4                                                            | <b>128</b><br>Monospot Gobo Projector                                               |  |

|                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
|  |  |  |  |  |  |  |
| <b>138</b><br>Ecospot                                                              | <b>148</b><br>Nightspot A                                                           | <b>151</b><br>Nightspot A Gobo Projector                                            | <b>152</b><br>Nightspot A2                                                          | <b>154</b><br>Nightspot B/RGBW                                                      | <b>158</b><br>Nightspot B Gobo Projector/RGBW                                       |  |

|                                                                                    |                                                    |                                                    |                                                            |                                                      |                                                      |                                                                    |                                                |                  |
|------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------|------------------|
|    |                                                    |                                                    |                                                            |                                                      |                                                      |                                                                    | <b>Area floodlights,<br/>pole luminaires</b>   | <b>168 - 197</b> |
| <b>90</b><br>Superlight<br>LED 1<br>pole luminaire                                 | <b>91</b><br>Superlight<br>LED 2<br>pole luminaire | <b>92</b><br>Superlight<br>LED 3<br>pole luminaire | <b>110</b><br>Monoflood 2<br>pole luminaire                | <b>112</b><br>Monoflood 3<br>pole luminaire/<br>RGBW | <b>114</b><br>Monoflood 4<br>pole luminaire/<br>RGBW |                                                                    |                                                |                  |
| <b>129</b><br>Monospot 2<br>pole luminaire                                         | <b>130</b><br>Monospot 3<br>pole luminaire         | <b>133</b><br>Monospot 4<br>pole luminaire         | <b>134</b><br>Monospot<br>Gobo Projector<br>pole luminaire | <b>160</b><br>Nightspot A2<br>pole luminaire         | <b>161</b><br>Nightspot B<br>pole luminaire/<br>RGBW | <b>164</b><br>Nightspot B<br>Gobo Projector<br>pole luminaire/RGBW |                                                |                  |
| <b>170</b><br>Monospace •                                                          | <b>171</b><br>Monospace •<br>pole-top luminaire    | <b>178</b><br>Ecoscape 1                           | <b>179</b><br>Ecoscape 2                                   | <b>186</b><br>Fluxa<br>Mini/Mini G                   | <b>188</b><br>Fluxa<br>A/B                           | <b>192</b><br>Fluxa<br>AG/BG                                       | <b>196</b><br>Fluxa A<br>pole-top luminaire    |                  |
|   |                                                    |                                                    |                                                            |                                                      |                                                      |                                                                    | <b>In-ground uplights</b>                      | <b>198 - 221</b> |
| <b>200</b><br>Uplight 135                                                          | <b>201</b><br>Uplight 180                          | <b>204</b><br>Uplight 200                          | <b>206</b><br>Uplight 220                                  | <b>209</b><br>Uplight 260                            | <b>212</b><br>Uplight 280                            |                                                                    |                                                |                  |
| <b>214</b><br>Upline 600                                                           | <b>218</b><br>Upline linear                        |                                                    |                                                            |                                                      |                                                      |                                                                    |                                                |                  |
|  |                                                    |                                                    |                                                            |                                                      |                                                      |                                                                    | <b>Downlights</b>                              | <b>222 - 225</b> |
| <b>51</b><br>Nanocube<br>Surface-mounted downlights                                | <b>222</b><br>Ceiling-recessed<br>downlights       | <b>224</b><br>Surface-mounted<br>downlights        |                                                            |                                                      |                                                      |                                                                    |                                                |                  |
|  |                                                    |                                                    |                                                            |                                                      |                                                      |                                                                    | <b>Wall luminaires,<br/>pathway luminaires</b> | <b>226 - 245</b> |
| <b>50</b><br>Nanocube                                                              | <b>226</b><br>Highrise •                           | <b>230</b><br>Unit •                               | <b>234</b><br>Nightpath                                    | <b>235</b><br>Nightpath bollard                      |                                                      |                                                                    |                                                |                  |
| <b>238</b><br>Gemini 1                                                             | <b>239</b><br>Gemini 2                             | <b>240</b><br>Variant                              | <b>242</b><br>Facette                                      | <b>244</b><br>Superlight                             |                                                      |                                                                    |                                                |                  |
|                                                                                    |                                                    |                                                    |                                                            |                                                      |                                                      |                                                                    | <b>Power correction capacitors</b>             | <b>246</b>       |
|                                                                                    |                                                    |                                                    |                                                            |                                                      |                                                      |                                                                    | <b>LED Information</b>                         | <b>247</b>       |
|                                                                                    |                                                    |                                                    |                                                            |                                                      |                                                      |                                                                    | <b>Numerical index</b>                         | <b>248 - 255</b> |
|                                                                                    |                                                    |                                                    |                                                            |                                                      |                                                      |                                                                    | <b>Service</b>                                 | <b>256</b>       |



Ecoline is a luminaire series with wall washer, asymmetric, narrow or wide beam light distribution and comes in various different lengths. In addition to stand alone luminaires, there is also a modular system for creating continuous lines with hardly any shadow between the modules. A combination of innovative light sources and precise optical systems brought together to form an economical and low-maintenance lighting system.

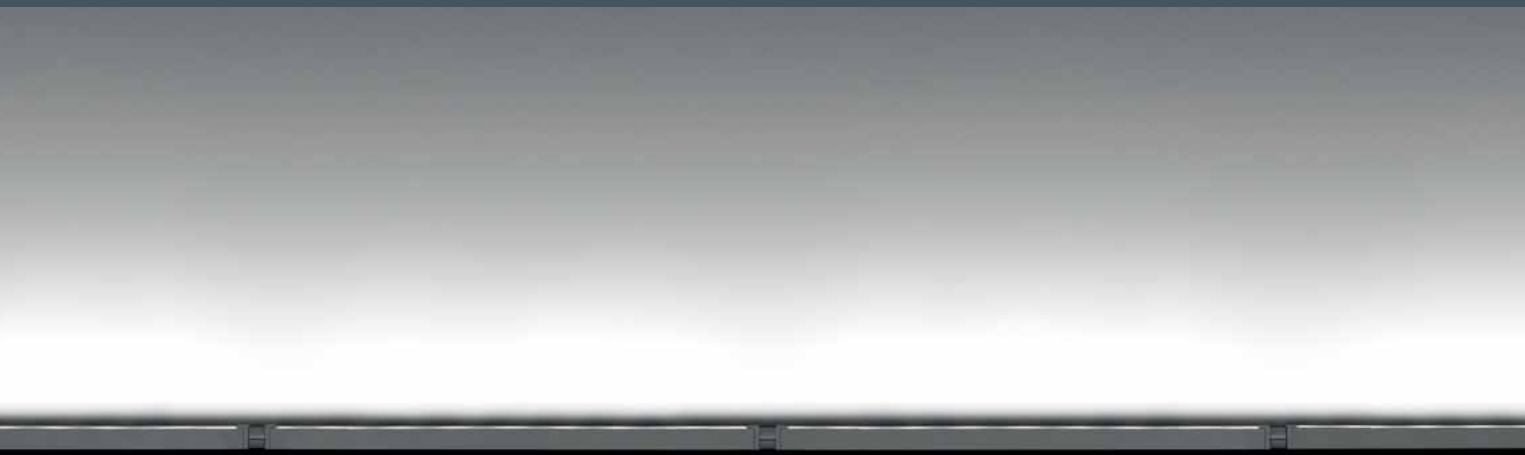
Despite having integral control gear, the cross section of these luminaires is extremely small. This enables them to be used very discretely in any architectural situation.

Ecoline Mini complements the Ecoline series with products of even more compact dimensions. They are the smallest linear products on the market with integral driver, for direct connection to mains voltage.



The narrow beam versions produce an intensive grazing effect above the longitudinal axis of the luminaire.





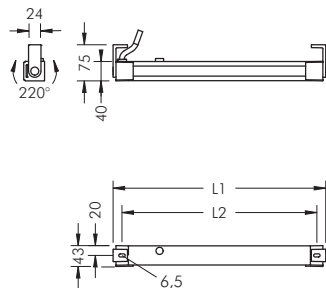
Design: Roy Fleetwood



The precise optics produce wall washer, asymmetrical or narrow beam distribution.



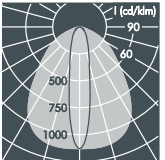
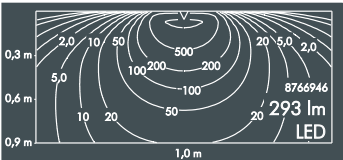
TownFence® Werbebanner, Munich/Germany  
TownTalker Media AG, Cologne



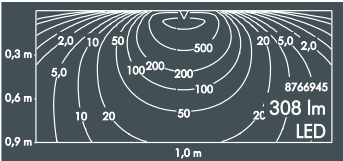
**Ecoline Mini**  
With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
mounting flanges: 2 elongated holes Ø 6.5 mm,  
spacing L2, tilt range 220°,  
M16 cable gland, with 1 m cable H05RN-F3G1  
attached, integral driver (AC/DC)

**Ecoline Mini, wall washer, L1 = 444 mm, L2 = 407 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 766 946 008</b> | black       | 1.1 kg | 3 x LED 1.8 W       | 293 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 766 966 008</b> | white       |        | (5 W)               |               | 20°                 | 88°        |
| <b>8 766 956 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

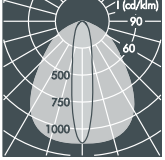
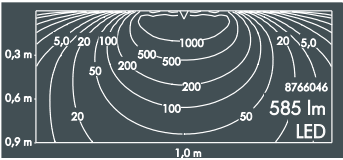


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 766 945 008</b> | black       | 1.1 kg | 3 x LED 1.8 W          | 308 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 766 965 008</b> | white       |        | (5 W)                  |               | 20°                 | 88°        |
| <b>8 766 955 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

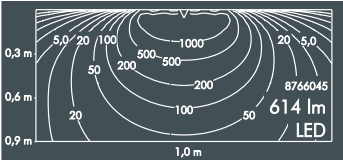


**Ecoline Mini, wall washer, L1 = 668 mm, L2 = 631 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 766 046 008</b> | black       | 1.5 kg | 6 x LED 1.8 W       | 585 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 766 066 008</b> | white       |        | (11 W)              |               | 20°                 | 88°        |
| <b>8 766 056 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

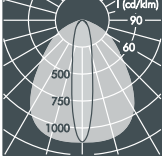
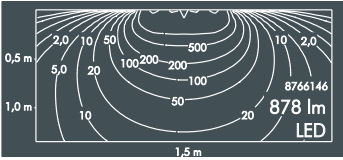


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 766 045 008</b> | black       | 1.5 kg | 6 x LED 1.8 W          | 614 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 766 065 008</b> | white       |        | (11 W)                 |               | 20°                 | 88°        |
| <b>8 766 055 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

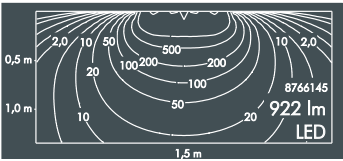


**Ecoline Mini, wall washer, L1 = 962 mm, L2 = 925 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 766 146 008</b> | black       | 2.1 kg | 9 x LED 1.8 W       | 878 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 766 166 008</b> | white       |        | (16 W)              |               | 20°                 | 88°        |
| <b>8 766 156 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 766 145 008</b> | black       | 2.1 kg | 9 x LED 1.8 W          | 922 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 766 165 008</b> | white       |        | (16 W)                 |               | 20°                 | 88°        |
| <b>8 766 155 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

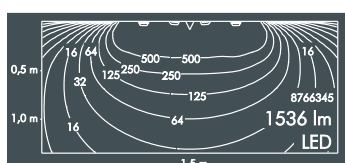
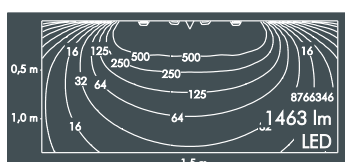
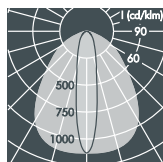
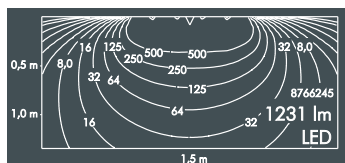
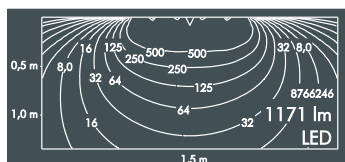
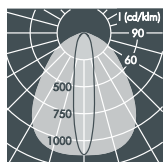


| Part number          | Description                        |
|----------------------|------------------------------------|
| <b>. . . . . 1..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>. . . . . 2..</b> | <b>Dimmable luminaire (1-10 V)</b> |

\* Not available for luminaire L1 = 444 mm

**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request  



#### Ecoline Mini, wall washer, L1 = 1256 mm, L2 = 1219 mm

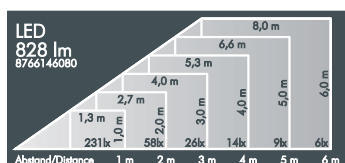
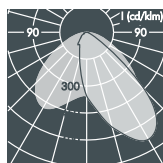
| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 766 246 008</b> | black       | 2.5 kg | 12 x LED 1.8 W<br>(22 W)<br>warm white (3000 K) | 1171 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 766 266 008</b> | white       |        |                                                 |               | 20°                 | 88°        |
| <b>8 766 256 008</b> | silver grey |        |                                                 |               |                     |            |

| Part number          | Colour      | Weight | Light source                                       | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|----------------------------------------------------|---------------|---------------------|------------|
| <b>8 766 245 008</b> | black       | 2.5 kg | 12 x LED 1.8 W<br>(22 W)<br>neutral white (4000 K) | 1231 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 766 265 008</b> | white       |        |                                                    |               | 20°                 | 88°        |
| <b>8 766 255 008</b> | silver grey |        |                                                    |               |                     |            |

#### Ecoline Mini, wall washer, L1 = 1550 mm, L2 = 1513 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 766 346 008</b> | black       | 3.0 kg | 15 x LED 1.8 W<br>(27 W)<br>warm white (3000 K) | 1463 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 766 366 008</b> | white       |        |                                                 |               | 20°                 | 88°        |
| <b>8 766 356 008</b> | silver grey |        |                                                 |               |                     |            |

| Part number          | Colour      | Weight | Light source                                       | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|----------------------------------------------------|---------------|---------------------|------------|
| <b>8 766 345 008</b> | black       | 3.0 kg | 15 x LED 1.8 W<br>(27 W)<br>neutral white (4000 K) | 1536 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 766 365 008</b> | white       |        |                                                    |               | 20°                 | 88°        |
| <b>8 766 355 008</b> | silver grey |        |                                                    |               |                     |            |



#### Ecoline Mini, asymmetrical beam\*\*

| Part number     | Description                                      |
|-----------------|--------------------------------------------------|
| <b>... . 8.</b> | <b>Luminaires with asymmetrical distribution</b> |

\*\* The luminaires are available in 5 different lengths.

#### Ecoline Mini, asymmetrical beam, L1 = 962 mm, L2 = 925 mm

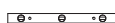
| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------------------------------|---------------|-------------------|
| <b>8 766 146 088</b> | black       | 2.1 kg | 9 x LED 1.8 W<br>(16 W)<br>warm white (3000 K) | 828 lm        | 30°               |
| <b>8 766 166 088</b> | white       |        |                                                |               |                   |
| <b>8 766 156 088</b> | silver grey |        |                                                |               |                   |

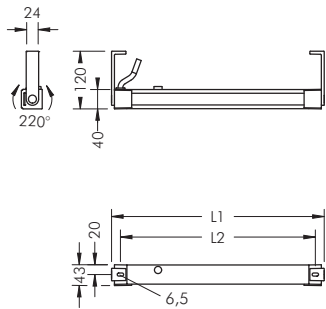
| Part number      | Description                        |
|------------------|------------------------------------|
| <b>... . 1..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>... . 2..</b> | <b>Dimmable luminaire (1-10 V)</b> |

\* Not available for luminaire L1 = 444 mm

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



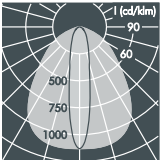
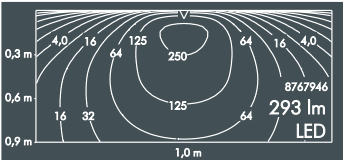


**Ecoline Mini  
with wall arms**

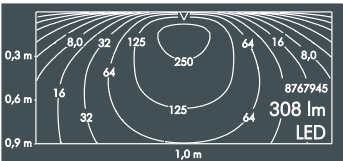
With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
wall arms: 2 elongated holes Ø 6.5 mm,  
spacing L2, tilt range 220°,  
M16 cable gland, with 1 m cable H05RN-F3G1  
attached, integral driver (AC/DC)

**Ecoline Mini, wall washer with wall arms, L1 = 444 mm, L2 = 407 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 767 946 008</b> | black       | 1.1 kg | 3 x LED 1.8 W       | 293 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 767 966 008</b> | white       |        | (5 W)               |               | 20°                 | 88°        |
| <b>8 767 956 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

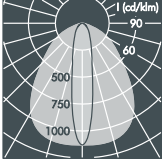
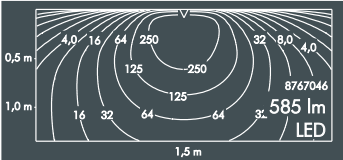


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 767 945 008</b> | black       | 1.1 kg | 3 x LED 1.8 W          | 308 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 767 965 008</b> | white       |        | (5 W)                  |               | 20°                 | 88°        |
| <b>8 767 955 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

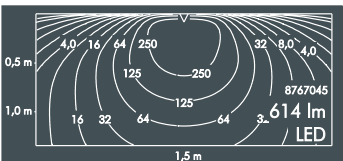


**Ecoline Mini, wall washer with wall arms, L1 = 668 mm, L2 = 631 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 767 046 008</b> | black       | 1.5 kg | 6 x LED 1.8 W       | 585 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 767 066 008</b> | white       |        | (11 W)              |               | 20°                 | 88°        |
| <b>8 767 056 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

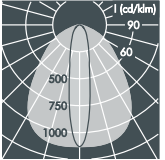
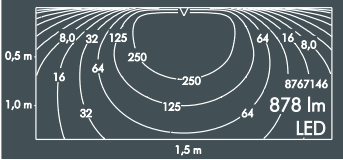


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 767 045 008</b> | black       | 1.5 kg | 6 x LED 1.8 W          | 614 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 767 065 008</b> | white       |        | (11 W)                 |               | 20°                 | 88°        |
| <b>8 767 055 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

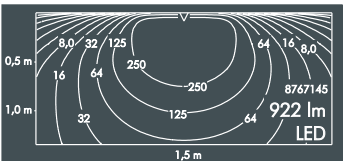


**Ecoline Mini, wall washer with wall arms, L1 = 962 mm, L2 = 925 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 767 146 008</b> | black       | 2.1 kg | 9 x LED 1.8 W       | 878 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 767 166 008</b> | white       |        | (16 W)              |               | 20°                 | 88°        |
| <b>8 767 156 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 767 145 008</b> | black       | 2.1 kg | 9 x LED 1.8 W          | 922 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 767 165 008</b> | white       |        | (16 W)                 |               | 20°                 | 88°        |
| <b>8 767 155 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

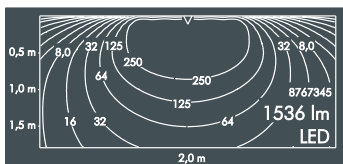
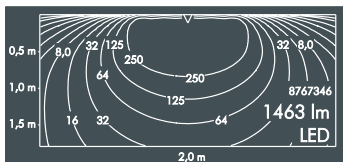
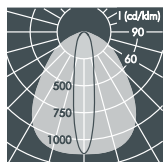
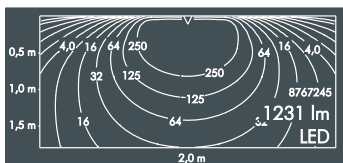
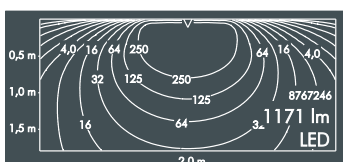
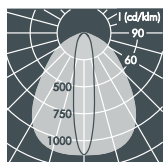


| Part number          | Description                        |
|----------------------|------------------------------------|
| <b>. . . . . 1..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>. . . . . 2..</b> | <b>Dimmable luminaire (1-10 V)</b> |

\* Not available for luminaire L1 = 444 mm

**LED** (see page 247)

luminaires available in 2700 K and other colour temperatures upon request



#### Ecoline Mini, wall washer with wall arms, L1 = 1256 mm, L2 = 1219 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 767 246 008</b> | black       | 2.5 kg | 12 x LED 1.8 W<br>(22 W)<br>warm white (3000 K) | 1171 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 767 266 008</b> | white       |        |                                                 |               | 20°                 | 88°        |
| <b>8 767 256 008</b> | silver grey |        |                                                 |               |                     |            |

| Part number          | Colour      | Weight | Light source                                       | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|----------------------------------------------------|---------------|---------------------|------------|
| <b>8 767 245 008</b> | black       | 2.5 kg | 12 x LED 1.8 W<br>(22 W)<br>neutral white (4000 K) | 1231 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 767 265 008</b> | white       |        |                                                    |               | 20°                 | 88°        |
| <b>8 767 255 008</b> | silver grey |        |                                                    |               |                     |            |

#### Ecoline Mini, wall washer with wall arms, L1 = 1550 mm, L2 = 1513 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 767 346 008</b> | black       | 3.0 kg | 15 x LED 1.8 W<br>(27 W)<br>warm white (3000 K) | 1463 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 767 366 008</b> | white       |        |                                                 |               | 20°                 | 88°        |
| <b>8 767 356 008</b> | silver grey |        |                                                 |               |                     |            |

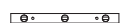
| Part number          | Colour      | Weight | Light source                                       | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|----------------------------------------------------|---------------|---------------------|------------|
| <b>8 767 345 008</b> | black       | 3.0 kg | 15 x LED 1.8 W<br>(27 W)<br>neutral white (4000 K) | 1536 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 767 365 008</b> | white       |        |                                                    |               | 20°                 | 88°        |
| <b>8 767 355 008</b> | silver grey |        |                                                    |               |                     |            |

| Part number          | Description                        |
|----------------------|------------------------------------|
| <b>. . . . . 1 .</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>. . . . . 2 .</b> | <b>Dimmable luminaire (1-10 V)</b> |

\* Not available for luminaire L1 = 444 mm

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





Regardless of the number of luminaires to be connected, just 1 wall flange set **or** 1 wall arm set is required to mount the outer left and right hand luminaires, SL and SR, to the surface.

| Mounting components for Ecoline Mini S Modular System |             |                                                        |
|-------------------------------------------------------|-------------|--------------------------------------------------------|
| Part number                                           | Colour      | Description                                            |
| 127 0 392 940                                         | black       | <b>Wall flange set,</b><br>(pair) for outer luminaires |
| 127 0 392 960                                         | white       |                                                        |
| 127 0 392 950                                         | silver grey |                                                        |

| Mounting components for Ecoline Mini S Modular System |             |                                                                       |
|-------------------------------------------------------|-------------|-----------------------------------------------------------------------|
| Part number                                           | Colour      | Description                                                           |
| 127 0 393 940                                         | black       | <b>Wall arm set,</b><br>(pair) for outer luminaires,<br>length 100 mm |
| 127 0 393 960                                         | white       |                                                                       |
| 127 0 393 950                                         | silver grey |                                                                       |

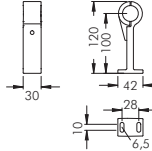
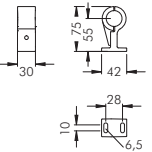
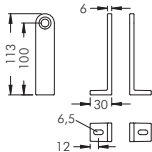
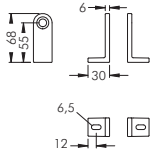
To connect two luminaires together, either one connection flange **or** one connection arm is required. The number of these connection parts required equals the total number of luminaires minus 1.

| Mounting components for Ecoline Mini S Modular System |             |                                                        |
|-------------------------------------------------------|-------------|--------------------------------------------------------|
| Part number                                           | Colour      | Description                                            |
| 127 0 390 940                                         | black       | <b>Connection flange,</b><br>to connect two luminaires |
| 127 0 390 960                                         | white       |                                                        |
| 127 0 390 950                                         | silver grey |                                                        |

| Mounting components for Ecoline Mini S Modular System |             |                                                                       |
|-------------------------------------------------------|-------------|-----------------------------------------------------------------------|
| Part number                                           | Colour      | Description                                                           |
| 127 0 391 940                                         | black       | <b>Connection arm,</b><br>to connect two luminaires,<br>length 100 mm |
| 127 0 391 960                                         | white       |                                                                       |
| 127 0 391 950                                         | silver grey |                                                                       |

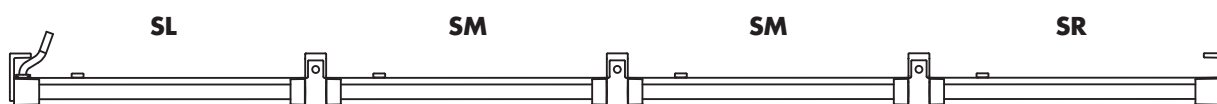
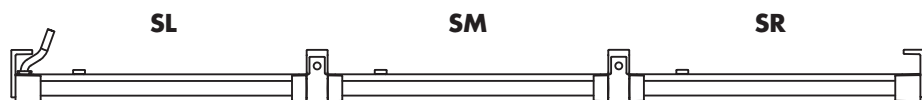
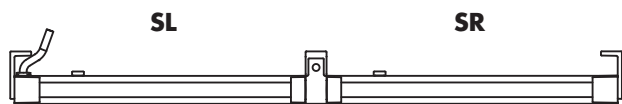
Ecoline Mini S Modular System

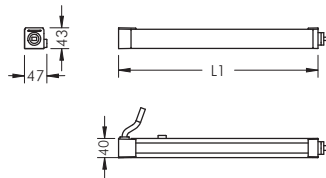
The luminaire modules are joined together in continuous runs. The luminaire system is installed using either wall flanges or wall arms. The wall arms increase the distance between the luminaire and the surface to be illuminated, thus increasing the uniformity of light distribution.



## The Modular System

Luminaires of different lengths and wattages can be connected together. One left (SL) and one right (SR) luminaire are always required. In addition to these, middle luminaires (SM) can be added to the system.



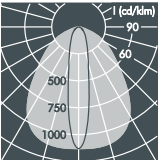


**Ecoline Mini SL  
Modular System, left**

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
with connection coupling and 3-pin connector on right,  
tilt range 220°, M16 cable gland,  
with 1 m cable H05RN-F3G1 attached,  
integral driver (AC/DC)

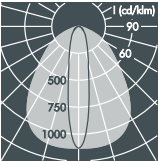
**Ecoline Mini SL, left, wall washer, L1 = 641 mm**

| Part number   | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| 8 768 046 008 | black       | 1.5 kg | 6 x LED 1.8 W<br>(11 W)<br>warm white (3000 K) | 585 lm        | C 0 – 180           | C 90 – 270 |
| 8 768 066 008 | white       |        |                                                |               | 20°                 | 88°        |
| 8 768 056 008 | silver grey |        |                                                |               |                     |            |



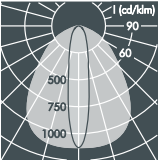
**Ecoline Mini SL, left, wall washer, L1 = 935 mm**

| Part number   | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| 8 768 146 008 | black       | 2.1 kg | 9 x LED 1.8 W<br>(16 W)<br>warm white (3000 K) | 878 lm        | C 0 – 180           | C 90 – 270 |
| 8 768 166 008 | white       |        |                                                |               | 20°                 | 88°        |
| 8 768 156 008 | silver grey |        |                                                |               |                     |            |



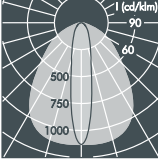
**Ecoline Mini SL, left, wall washer, L1 = 1229 mm**

| Part number   | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| 8 768 246 008 | black       | 2.5 kg | 12 x LED 1.8 W<br>(22 W)<br>warm white (3000 K) | 1171 lm       | C 0 – 180           | C 90 – 270 |
| 8 768 266 008 | white       |        |                                                 |               | 20°                 | 88°        |
| 8 768 256 008 | silver grey |        |                                                 |               |                     |            |



**Ecoline Mini SL, left, wall washer, L1 = 1523 mm**

| Part number   | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| 8 768 346 008 | black       | 3.0 kg | 15 x LED 1.8 W<br>(27 W)<br>warm white (3000 K) | 1463 lm       | C 0 – 180           | C 90 – 270 |
| 8 768 366 008 | white       |        |                                                 |               | 20°                 | 88°        |
| 8 768 356 008 | silver grey |        |                                                 |               |                     |            |



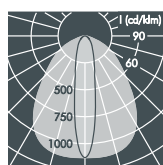
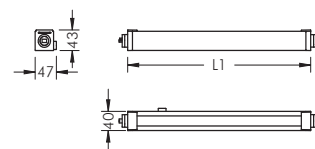
**Ecoline Mini SL, left, wall washer**

| Part number       | Description                                              |
|-------------------|----------------------------------------------------------|
| . . . . . 5 . . . | Luminaire with neutral white colour temperature (4000 K) |
| . . . . . 1 . .   | Dimmable luminaire (DALI)                                |
| . . . . . 2 . .   | Dimmable luminaire (1-10 V)                              |

The luminaires can be supplied with asymmetrical light distribution upon request.

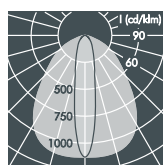
## Ecoline Mini SM Modular System, middle

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
with connection coupling and  
3-pin connector on left and right,  
tilt range 220°,  
integral driver (AC/DC)



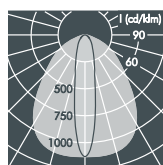
### Ecoline Mini SM, middle, wall washer, L1 = 625 mm

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 769 046 008</b> | black       | 1.5 kg | 6 x LED 1.8 W       | 585 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 769 066 008</b> | white       |        | (11 W)              |               | 20°                 | 88°        |
| <b>8 769 056 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |



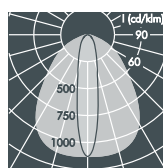
### Ecoline Mini SM, middle, wall washer, L1 = 919 mm

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 769 146 008</b> | black       | 2.1 kg | 9 x LED 1.8 W       | 878 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 769 166 008</b> | white       |        | (16 W)              |               | 20°                 | 88°        |
| <b>8 769 156 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |



### Ecoline Mini SM, middle, wall washer, L1 = 1213 mm

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 769 246 008</b> | black       | 2.5 kg | 12 x LED 1.8 W      | 1171 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 769 266 008</b> | white       |        | (22 W)              |               | 20°                 | 88°        |
| <b>8 769 256 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |



### Ecoline Mini SM, middle, wall washer, L1 = 1507 mm

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 769 346 008</b> | black       | 3.0 kg | 15 x LED 1.8 W      | 1463 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 769 366 008</b> | white       |        | (27 W)              |               | 20°                 | 88°        |
| <b>8 769 356 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

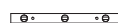
### Ecoline Mini SM, middle, wall washer

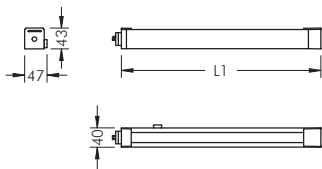
| Part number      | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                                |
| <b>... 2 ...</b> | <b>Dimmable luminaire (1-10 V)</b>                              |

The luminaires can be supplied with asymmetrical light distribution upon request.

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



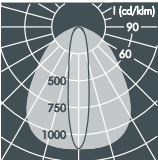


**Ecoline Mini SR  
Modular System, right**

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
with connection coupling and 3-pin connector on left,  
tilt range 220°,  
integral driver (AC/DC)

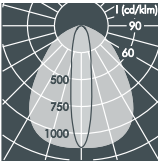
**Ecoline Mini SR, right, wall washer, L1 = 641 mm**

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| <b>8 770 046 008</b> | black       | 1.5 kg | 6 x LED 1.8 W<br>(11 W)<br>warm white (3000 K) | 585 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 770 066 008</b> | white       |        |                                                |               | 20°                 | 88°        |
| <b>8 770 056 008</b> | silver grey |        |                                                |               |                     |            |



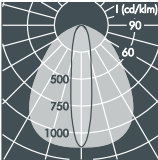
**Ecoline Mini SR, right, wall washer, L1 = 935 mm**

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| <b>8 770 146 008</b> | black       | 2.1 kg | 9 x LED 1.8 W<br>(16 W)<br>warm white (3000 K) | 878 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 770 166 008</b> | white       |        |                                                |               | 20°                 | 88°        |
| <b>8 770 156 008</b> | silver grey |        |                                                |               |                     |            |



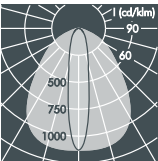
**Ecoline Mini SR, right, wall washer, L1 = 1229 mm**

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 770 246 008</b> | black       | 2.5 kg | 12 x LED 1.8 W<br>(22 W)<br>warm white (3000 K) | 1171 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 770 266 008</b> | white       |        |                                                 |               | 20°                 | 88°        |
| <b>8 770 256 008</b> | silver grey |        |                                                 |               |                     |            |



**Ecoline Mini SR, right, wall washer, L1 = 1523 mm**

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 770 346 008</b> | black       | 3.0 kg | 15 x LED 1.8 W<br>(27 W)<br>warm white (3000 K) | 1463 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 770 366 008</b> | white       |        |                                                 |               | 20°                 | 88°        |
| <b>8 770 356 008</b> | silver grey |        |                                                 |               |                     |            |



**Ecoline Mini SR, right, wall washer**

| Part number              | Description                                                     |
|--------------------------|-----------------------------------------------------------------|
| <b>. . . . . 5 . . .</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire (DALI)</b>                                |
| <b>. . . . . 2 . .</b>   | <b>Dimmable luminaire (1-10 V)</b>                              |

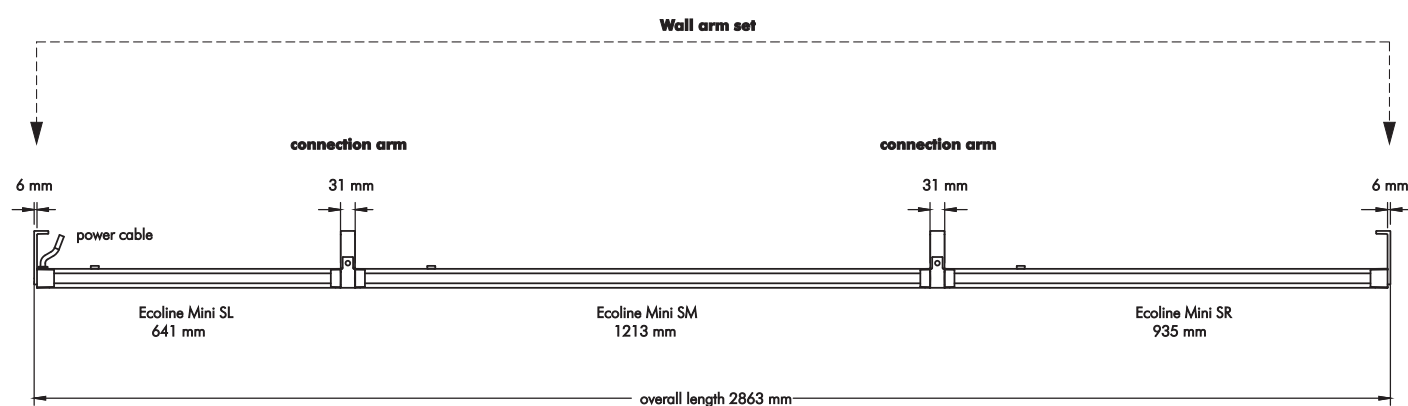
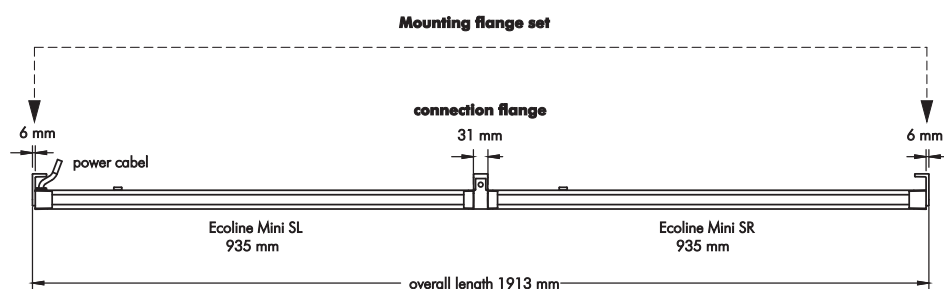
The luminaires can be supplied with asymmetrical light distribution upon request.

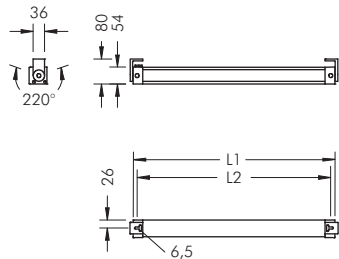


## System examples

To calculate the overall length of the system, the lengths of the individual luminaire modules and the dimensions of the connection flanges or arms must be added together.

By combining luminaires of different lengths, the overall length of the system can be made to coincide with the dimensions of the surface to be illuminated.





**Ecoline  
wall washer**

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
closure by 2 stainless steel screws,  
mounting flanges: 2 drilled holes Ø 6.5 mm,  
spacing L2, tilt range 220°, M20 cable gland,  
integral driver (AC/DC)

**Ecoline, wall washer, L1 = 362 mm, L2 = 315 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 792 946 008</b> | black       | 1.7 kg | 3 x LED 2.5 W       | 533 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 792 966 008</b> | white       |        | (8 W)               |               | 12°                 | 108°       |
| <b>8 792 956 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 792 945 008</b> | black       | 1.7 kg | 3 x LED 2.5 W          | 570 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 792 965 008</b> | white       |        | (8 W)                  |               | 12°                 | 108°       |
| <b>8 792 955 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

**Ecoline, wall washer, L1 = 662 mm, L2 = 615 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 792 046 008</b> | black       | 2.3 kg | 6 x LED 2.5 W       | 1059 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 792 066 008</b> | white       |        | (15 W)              |               | 12°                 | 108°       |
| <b>8 792 056 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 792 045 008</b> | black       | 2.3 kg | 6 x LED 2.5 W          | 1133 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 792 065 008</b> | white       |        | (15 W)                 |               | 12°                 | 108°       |
| <b>8 792 055 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

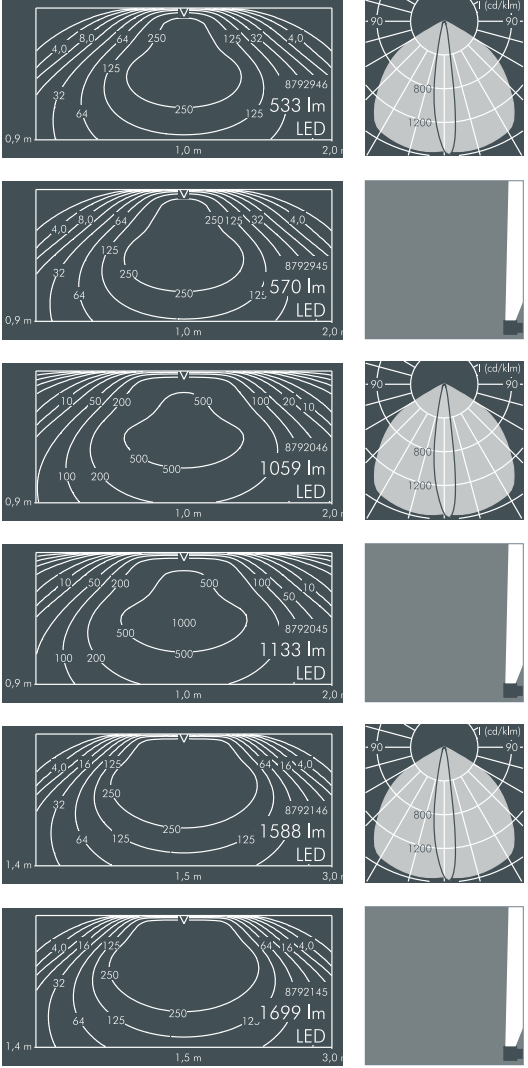
**Ecoline, wall washer, L1 = 962 mm, L2 = 915 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 792 146 008</b> | black       | 3.1 kg | 9 x LED 2.5 W       | 1588 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 792 166 008</b> | white       |        | (23 W)              |               | 12°                 | 108°       |
| <b>8 792 156 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

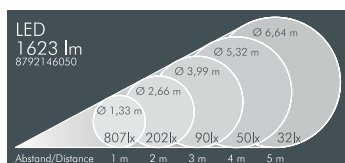
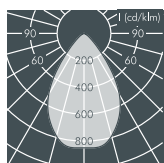
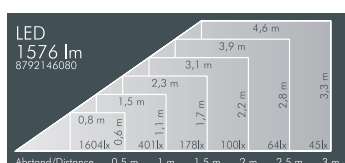
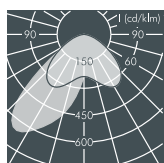
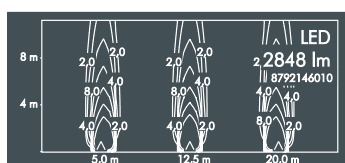
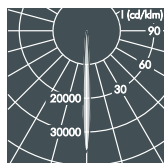
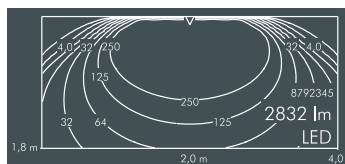
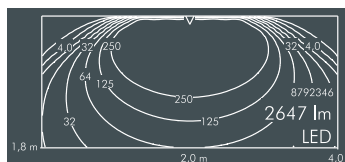
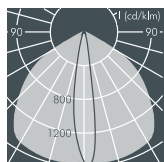
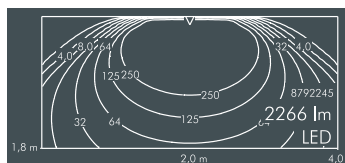
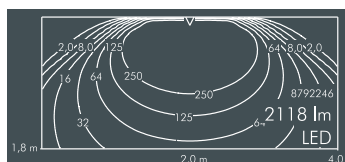
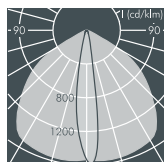
| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 792 145 008</b> | black       | 3.1 kg | 9 x LED 2.5 W          | 1699 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 792 165 008</b> | white       |        | (23 W)                 |               | 12°                 | 108°       |
| <b>8 792 155 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

| Part number**        | Description                         |
|----------------------|-------------------------------------|
| <b>. . . . . 1..</b> | <b>Dimmable luminaire (DALI)*</b>   |
| <b>. . . . . 2..</b> | <b>Dimmable luminaire (1-10 V)*</b> |

\*Not available for luminaire L1 = 362 mm  
\*\*Luminaires with two cable glands available upon request



**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request  

### Ecoline, wall washer, L1 = 1262 mm, L2 = 1215 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|----------------------------|------------|
| <b>8 792 246 008</b> | black       | 3.6 kg | 12 x LED 2.5 W<br>(30 W)<br>warm white (3000 K) | 2118 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 792 266 008</b> | white       |        |                                                 |               | 12°                        | 108°       |
| <b>8 792 256 008</b> | silver grey |        |                                                 |               |                            |            |

| Part number          | Colour      | Weight | Light source                                       | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|----------------------------------------------------|---------------|----------------------------|------------|
| <b>8 792 245 008</b> | black       | 3.6 kg | 12 x LED 2.5 W<br>(30 W)<br>neutral white (4000 K) | 2266 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 792 265 008</b> | white       |        |                                                    |               | 12°                        | 108°       |
| <b>8 792 255 008</b> | silver grey |        |                                                    |               |                            |            |

### Ecoline, wall washer, L1 = 1562 mm, L2 = 1515 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|----------------------------|------------|
| <b>8 792 346 008</b> | black       | 4.2 kg | 15 x LED 2.5 W<br>(38 W)<br>warm white (3000 K) | 2647 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 792 366 008</b> | white       |        |                                                 |               | 12°                        | 108°       |
| <b>8 792 356 008</b> | silver grey |        |                                                 |               |                            |            |

| Part number          | Colour      | Weight | Light source                                       | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|----------------------------------------------------|---------------|----------------------------|------------|
| <b>8 792 345 008</b> | black       | 4.2 kg | 15 x LED 2.5 W<br>(38 W)<br>neutral white (4000 K) | 2832 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 792 365 008</b> | white       |        |                                                    |               | 12°                        | 108°       |
| <b>8 792 355 008</b> | silver grey |        |                                                    |               |                            |            |

### Ecoline, narrow beam\*\*

| Part number          | Description                                     |
|----------------------|-------------------------------------------------|
| <b>1. . . . . 1.</b> | <b>Luminaires with narrow beam distribution</b> |

\*\*The luminaires are available in 3 different lengths: L1 = 362/662/962 mm

### Ecoline, narrow beam, L1 = 962 mm, L2 = 915 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|-------------------------------------------------|---------------|----------------------------|
| <b>8 792 146 018</b> | black       | 3.1 kg | 17 x LED 2.5 W<br>(42 W)<br>warm white (3000 K) | 2848 lm       | 7°                         |
| <b>8 792 166 018</b> | white       |        |                                                 |               |                            |
| <b>8 792 156 018</b> | silver grey |        |                                                 |               |                            |

### Ecoline, asymmetrical beam\*\*

| Part number          | Description                                      |
|----------------------|--------------------------------------------------|
| <b>8. . . . . 8.</b> | <b>Luminaires with asymmetrical distribution</b> |

\*\*The luminaires are available in 5 different lengths.

### Ecoline, asymmetrical beam, L1 = 962 mm, L2 = 915 mm

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Main beam angle $\gamma$ |
|----------------------|-------------|--------|------------------------------------------------|---------------|--------------------------|
| <b>8 792 146 088</b> | black       | 3.1 kg | 9 x LED 2.5 W<br>(23 W)<br>warm white (3000 K) | 1576 lm       | 36°                      |
| <b>8 792 166 088</b> | white       |        |                                                |               |                          |
| <b>8 792 156 088</b> | silver grey |        |                                                |               |                          |

### Ecoline, wide beam\*\*

| Part number          | Description                                   |
|----------------------|-----------------------------------------------|
| <b>5. . . . . 5.</b> | <b>Luminaires with wide beam distribution</b> |

\*\*The luminaires are available in 5 different lengths.

### Ecoline, wide beam, L1 = 962 mm, L2 = 915 mm

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|------------------------------------------------|---------------|----------------------------|
| <b>8 792 146 058</b> | black       | 3.1 kg | 9 x LED 2.5 W<br>(23 W)<br>warm white (3000 K) | 1623 lm       | 67°                        |
| <b>8 792 166 058</b> | white       |        |                                                |               |                            |
| <b>8 792 156 058</b> | silver grey |        |                                                |               |                            |

| Part number**         | Description                         |
|-----------------------|-------------------------------------|
| <b>1. . . . . 1..</b> | <b>Dimmable luminaire (DALI)*</b>   |
| <b>2. . . . . 2..</b> | <b>Dimmable luminaire (1-10 V)*</b> |

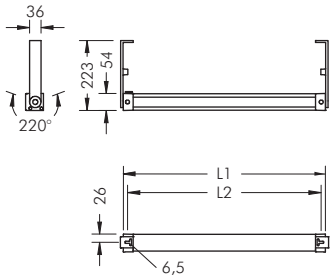
\*Not available for luminaire L1 = 362 mm

\*\*Luminaires with two cable glands available upon request

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





**Ecoline**  
**wall washer with wall arms**  
With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium housing AlSi12,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
closure by 2 stainless steel screws,  
wall arms: 2 drilled holes Ø 6.5 mm,  
spacing L2, tilt range 220°,  
M20 cable gland,  
integral driver (AC/DC)

**Ecoline, wall washer with wall arms, L1 = 362 mm, L2 = 315 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 793 946 008</b> | black       | 2.2 kg | 3 x LED 2.5 W       | 533 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 793 966 008</b> | white       |        | (8 W)               |               | 12°                 | 108°       |
| <b>8 793 956 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 793 945 008</b> | black       | 2.2 kg | 3 x LED 2.5 W          | 570 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 793 965 008</b> | white       |        | (8 W)                  |               | 12°                 | 108°       |
| <b>8 793 955 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

**Ecoline, wall washer with wall arms, L1 = 662 mm, L2 = 615 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 793 046 008</b> | black       | 2.8 kg | 6 x LED 2.5 W       | 1059 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 793 066 008</b> | white       |        | (15 W)              |               | 12°                 | 108°       |
| <b>8 793 056 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 793 045 008</b> | black       | 2.8 kg | 6 x LED 2.5 W          | 1133 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 793 065 008</b> | white       |        | (15 W)                 |               | 12°                 | 108°       |
| <b>8 793 055 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

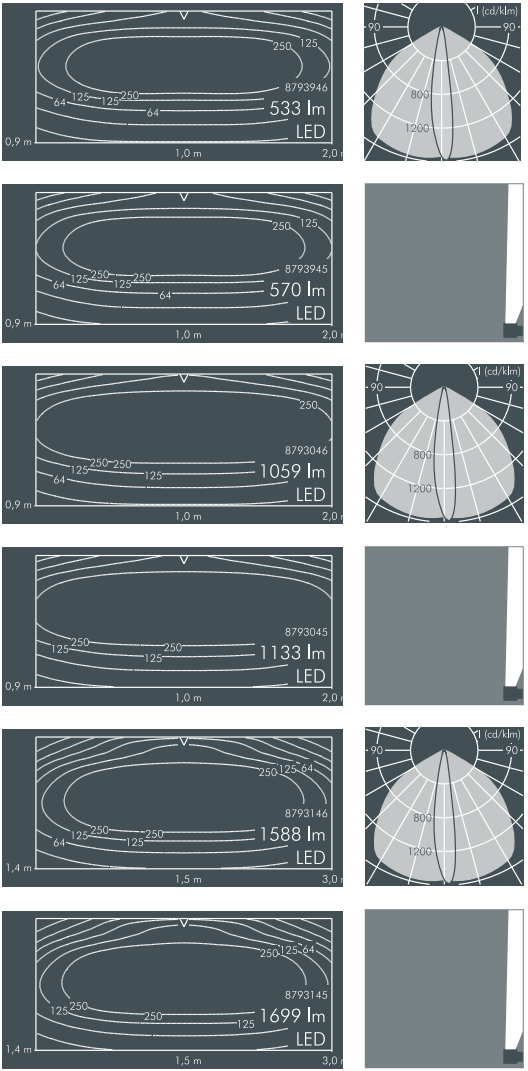
**Ecoline, wall washer with wall arms, L1 = 962 mm, L2 = 915 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 793 146 008</b> | black       | 3.6 kg | 9 x LED 2.5 W       | 1588 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 793 166 008</b> | white       |        | (23 W)              |               | 12°                 | 108°       |
| <b>8 793 156 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |

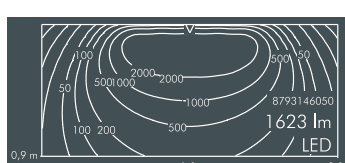
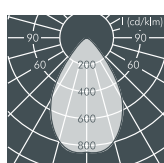
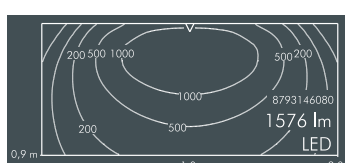
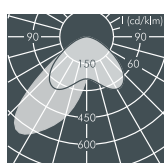
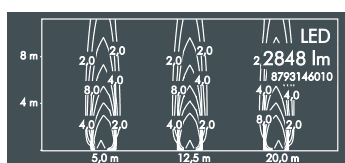
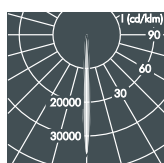
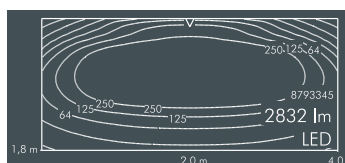
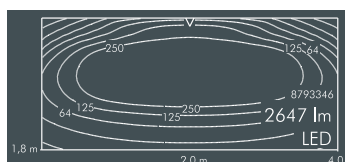
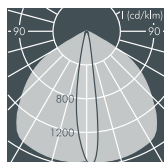
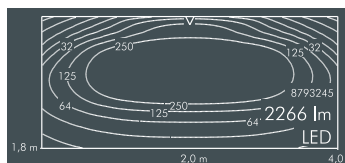
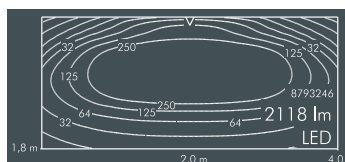
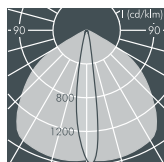
| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 793 145 008</b> | black       | 3.6 kg | 9 x LED 2.5 W          | 1699 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 793 165 008</b> | white       |        | (23 W)                 |               | 12°                 | 108°       |
| <b>8 793 155 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

| Part number** | Description                         |
|---------------|-------------------------------------|
| <b>1..</b>    | <b>Dimmable luminaire (DALI)*</b>   |
| <b>2..</b>    | <b>Dimmable luminaire (1-10 V)*</b> |

\*Not available for luminaire L1 = 362 mm  
\*\*Luminaires with two cable glands available upon request



**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request  

### Ecoline, wall washer with wall arms, L1 = 1262 mm, L2 = 1215 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 793 246 008</b> | black       | 4.1 kg | 12 x LED 2.5 W<br>(30 W)<br>warm white (3000 K) | 2118 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 793 266 008</b> | white       |        |                                                 |               | 12°                 | 108°       |
| <b>8 793 256 008</b> | silver grey |        |                                                 |               |                     |            |

| Part number          | Colour      | Weight | Light source                                       | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|----------------------------------------------------|---------------|---------------------|------------|
| <b>8 793 245 008</b> | black       | 4.1 kg | 12 x LED 2.5 W<br>(30 W)<br>neutral white (4000 K) | 2266 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 793 265 008</b> | white       |        |                                                    |               | 12°                 | 108°       |
| <b>8 793 255 008</b> | silver grey |        |                                                    |               |                     |            |

### Ecoline, wall washer with wall arms, L1 = 1562 mm, L2 = 1515 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 793 346 008</b> | black       | 4.7 kg | 15 x LED 2.5 W<br>(38 W)<br>warm white (3000 K) | 2647 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 793 366 008</b> | white       |        |                                                 |               | 12°                 | 108°       |
| <b>8 793 356 008</b> | silver grey |        |                                                 |               |                     |            |

| Part number          | Colour      | Weight | Light source                                       | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|----------------------------------------------------|---------------|---------------------|------------|
| <b>8 793 345 008</b> | black       | 4.7 kg | 15 x LED 2.5 W<br>(38 W)<br>neutral white (4000 K) | 2832 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 793 365 008</b> | white       |        |                                                    |               | 12°                 | 108°       |
| <b>8 793 355 008</b> | silver grey |        |                                                    |               |                     |            |

### Ecoline, narrow beam with wall arms\*\*

| Part number | Description                                     |
|-------------|-------------------------------------------------|
| <b>1.</b>   | <b>Luminaires with narrow beam distribution</b> |

\*\*The luminaires are available in 3 different lengths: L1 = 362/662/962 mm

### Ecoline, narrow beam with wall arms, L1 = 962 mm, L2 = 915 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|
| <b>8 793 146 018</b> | black       | 3.6 kg | 17 x LED 2.5 W<br>(42 W)<br>warm white (3000 K) | 2848 lm       | 7°                  |
| <b>8 793 166 018</b> | white       |        |                                                 |               |                     |
| <b>8 793 156 018</b> | silver grey |        |                                                 |               |                     |

### Ecoline, asymmetrical beam with wall arms\*\*

| Part number | Description                                      |
|-------------|--------------------------------------------------|
| <b>8.</b>   | <b>Luminaires with asymmetrical distribution</b> |

\*\*The luminaires are available in 5 different lengths.

### Ecoline, asymmetrical beam with wall arms, L1 = 962 mm, L2 = 915 mm

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------------------------------|---------------|-------------------|
| <b>8 793 146 088</b> | black       | 3.6 kg | 9 x LED 2.5 W<br>(23 W)<br>warm white (3000 K) | 1576 lm       | 36°               |
| <b>8 793 166 088</b> | white       |        |                                                |               |                   |
| <b>8 793 156 088</b> | silver grey |        |                                                |               |                   |

### Ecoline, wide beam with wall arms\*\*

| Part number | Description                                   |
|-------------|-----------------------------------------------|
| <b>5.</b>   | <b>Luminaires with wide beam distribution</b> |

\*\*The luminaires are available in 5 different lengths.

### Ecoline, wide beam with wall arms, L1 = 962 mm, L2 = 915 mm

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|
| <b>8 793 146 058</b> | black       | 3.6 kg | 9 x LED 2.5 W<br>(23 W)<br>warm white (3000 K) | 1623 lm       | 67°                 |
| <b>8 793 166 058</b> | white       |        |                                                |               |                     |
| <b>8 793 156 058</b> | silver grey |        |                                                |               |                     |

| Part number** | Description                         |
|---------------|-------------------------------------|
| <b>1..</b>    | <b>Dimmable luminaire (DALI)*</b>   |
| <b>2..</b>    | <b>Dimmable luminaire (1-10 V)*</b> |

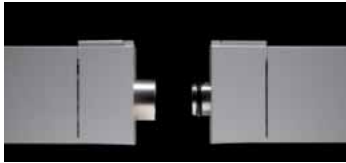
\*Not available for luminaire L1 = 362 mm

\*\*Luminaires with two cable glands available upon request

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





Regardless of the number of luminaires to be connected, just 1 wall flange set **or** 1 wall arm set is required to mount the outer left and right hand luminaires, SL and SR, to the surface.

Ecoline S Modular System

The luminaire modules are joined together in continuous runs. The luminaire system is installed using either wall flanges or wall arms. The wall arms increase the distance between the luminaire and the surface to be illuminated, thus increasing the uniformity of light distribution.

| Mounting components for Ecoline S Modular System |             |                                                        |
|--------------------------------------------------|-------------|--------------------------------------------------------|
| Part number                                      | Colour      | Description                                            |
| 127 0 299 940                                    | black       | <b>Wall flange set,</b><br>(pair) for outer luminaires |
| 127 0 299 960                                    | white       |                                                        |
| 127 0 299 950                                    | silver grey |                                                        |

| Mounting components for Ecoline S Modular System |             |                                                                       |
|--------------------------------------------------|-------------|-----------------------------------------------------------------------|
| Part number                                      | Colour      | Description                                                           |
| 127 0 300 940                                    | black       | <b>Wall arm set,</b><br>(pair) for outer luminaires,<br>length 196 mm |
| 127 0 300 960                                    | white       |                                                                       |
| 127 0 300 950                                    | silver grey |                                                                       |

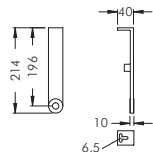
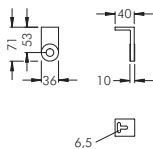
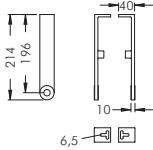
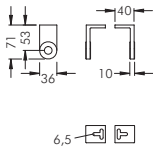
To connect two luminaires together, either one connection flange **or** one connection arm is required. The number of these connection parts required equals the total number of luminaires minus 1.

| Mounting components for Ecoline S Modular System |             |                                                                                                     |
|--------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------|
| Part number                                      | Colour      | Description                                                                                         |
| 127 0 301 940                                    | black       | <b>Connection flange,</b><br>c/w 3-core cable for through wiring,<br>for connection of 2 luminaires |
| 127 0 301 960                                    | white       |                                                                                                     |
| 127 0 301 950                                    | silver grey |                                                                                                     |

| Part number   | Colour      | Description                                                                                                                |
|---------------|-------------|----------------------------------------------------------------------------------------------------------------------------|
| 127 0 302 940 | black       | <b>Connection flange for dimmable luminaire,</b><br>c/w 5-core cable for through wiring,<br>for connection of 2 luminaires |
| 127 0 302 960 | white       |                                                                                                                            |
| 127 0 302 950 | silver grey |                                                                                                                            |

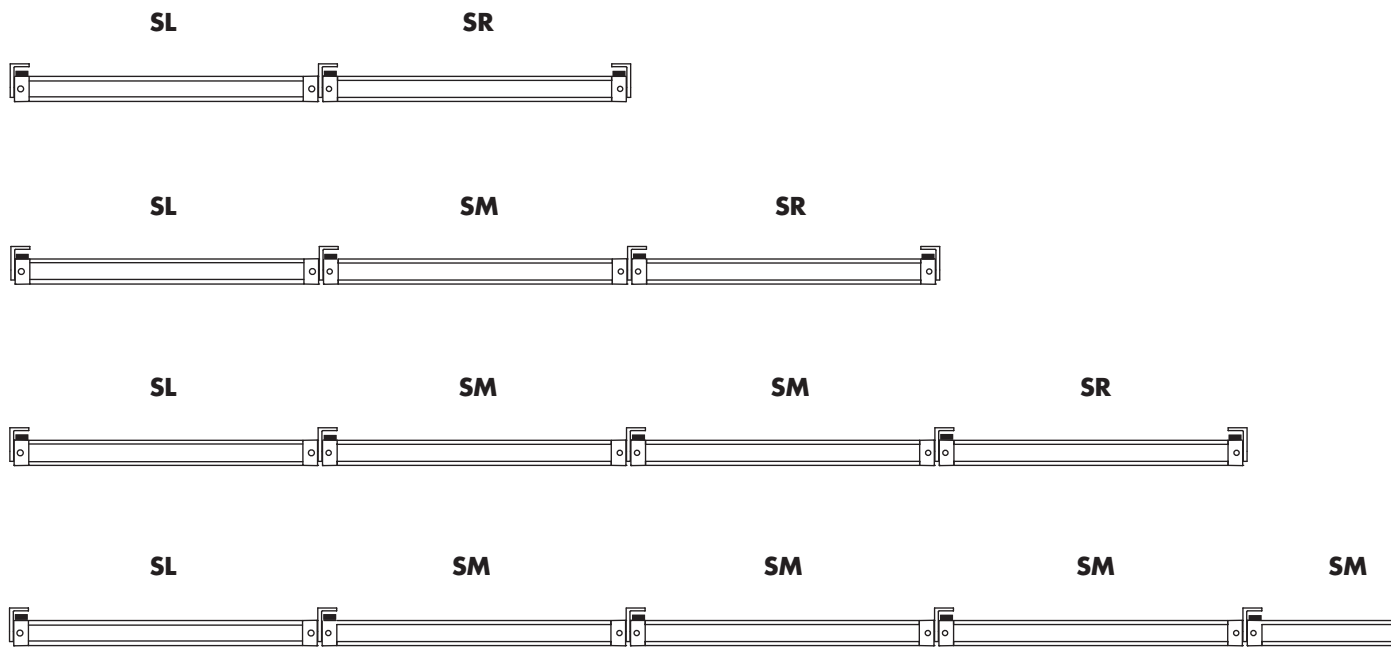
| Mounting components for Ecoline S Modular System |             |                                                                                                                |
|--------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------|
| Part number                                      | Colour      | Description                                                                                                    |
| 127 0 302 940                                    | black       | <b>Connection arm</b><br>c/w 3-core cable for through wiring,<br>for connection of 2 luminaires, length 196 mm |
| 127 0 302 960                                    | white       |                                                                                                                |
| 127 0 302 950                                    | silver grey |                                                                                                                |

| Part number   | Colour      | Description                                                                                                                            |
|---------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 127 0 303 940 | black       | <b>Connection arm for dimmable luminaire,</b><br>c/w 5-core cable for through wiring,<br>for connection of 2 luminaires, length 196 mm |
| 127 0 303 960 | white       |                                                                                                                                        |
| 127 0 303 950 | silver grey |                                                                                                                                        |



## The Modular System

Luminaires of different lengths and wattages can be connected together. One left (SL) and one right hand (SR) luminaire are always required. In addition to these, middle luminaires (SM) can be added to the system.



### ■ Cable gland (on rear side)



#### Ecoline SL Modular System, left

One cable entry on the left



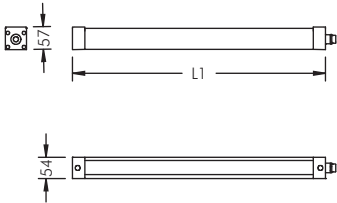
#### Ecoline SM Modular System, middle

One cable entry on the left



#### Ecoline SR Modular System, right

Two cable entries right and left

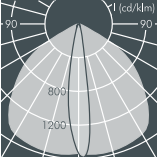


**Ecoline SL  
Modular System left**

With high performance LEDs,  
integral temperature monitoring device,  
wall washer light distribution,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65    , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
closure by 2 stainless steel screws,  
with stainless steel coupling on right side,  
tilt range 220°, M20 cable gland,  
integral driver (AC/DC)

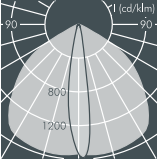
**Ecoline SL, left, wall washer, L1 = 642 mm**

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|------------|
| <b>8 797 046 008</b> | black       | 2.3 kg | 6 x LED 2.5 W<br>(15 W) | 1059 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 797 066 008</b> | white       |        | warm white (3000 K)     |               | 12°                 | 108°       |
| <b>8 797 056 008</b> | silver grey |        |                         |               |                     |            |



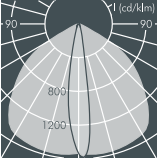
**Ecoline SL, left, wall washer, L1 = 942 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 797 146 008</b> | black       | 2.9 kg | 9 x LED 2.5 W       | 1588 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 797 166 008</b> | white       |        | (23 W)              |               | 12°                 | 108°       |
| <b>8 797 156 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |



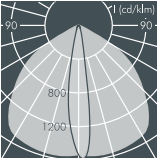
**Ecoline SL, left, wall washer, L1 = 1242 mm**

| Part number          | Colour      | Weight | Light source             | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------|---------------|---------------------|------------|
| <b>8 797 246 008</b> | black       | 3.4 kg | 12 x LED 2.5 W<br>(30 W) | 2118 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 797 266 008</b> | white       |        | warm white (3000 K)      |               | 12°                 | 108°       |
| <b>8 797 256 008</b> | silver grey |        |                          |               |                     |            |



**Ecoline SL, left, wall washer, L1 = 1542 mm**

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 797 346 008</b> | black       | 4.0 kg | 15 x LED 2.5 W      | 2647 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 797 366 008</b> | white       |        | (38 W)              |               | 12°                 | 108°       |
| <b>8 797 356 008</b> | silver grey |        | warm white (3000 K) |               |                     |            |



**Ecoline SL, left, wall washer**

| Part number              | Description                                                     |
|--------------------------|-----------------------------------------------------------------|
| <b>. . . . . 5 . . .</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire (DALI)</b>                                |
| <b>. . . . . 2 . .</b>   | <b>Dimmable luminaire (1-10 V)</b>                              |

The luminaires can be supplied with wide beam or asymmetrical light distribution upon request.

**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request

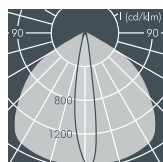
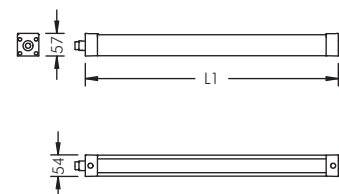




## Ecoline SM

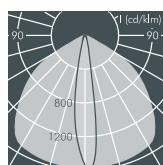
### Modular System middle

With high performance LEDs,  
integral temperature monitoring device,  
wall washer light distribution,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
closure by 2 stainless steel screws,  
with stainless steel couplings on left and right side,  
tilt range 220°, M20 cable gland,  
integral driver (AC/DC)



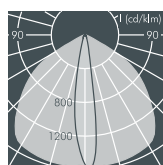
#### Ecoline SM, middle, wall washer, L1 = 642 mm

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| <b>8 798 046 008</b> | black       | 2.3 kg | 6 x LED 2.5 W<br>(15 W)<br>warm white (3000 K) | 1059 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 798 066 008</b> | white       |        |                                                |               | 12°                 | 108°       |
| <b>8 798 056 008</b> | silver grey |        |                                                |               |                     |            |



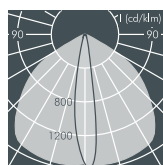
#### Ecoline SM, middle, wall washer, L1 = 942 mm

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| <b>8 798 146 008</b> | black       | 2.9 kg | 9 x LED 2.5 W<br>(23 W)<br>warm white (3000 K) | 1588 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 798 166 008</b> | white       |        |                                                |               | 12°                 | 108°       |
| <b>8 798 156 008</b> | silver grey |        |                                                |               |                     |            |



#### Ecoline SM, middle, wall washer, L1 = 1242 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 798 246 008</b> | black       | 3.4 kg | 12 x LED 2.5 W<br>(30 W)<br>warm white (3000 K) | 2118 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 798 266 008</b> | white       |        |                                                 |               | 12°                 | 108°       |
| <b>8 798 256 008</b> | silver grey |        |                                                 |               |                     |            |



#### Ecoline SM, middle, wall washer, L1 = 1542 mm

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 798 346 008</b> | black       | 4.0 kg | 15 x LED 2.5 W<br>(38 W)<br>warm white (3000 K) | 2647 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 798 366 008</b> | white       |        |                                                 |               | 12°                 | 108°       |
| <b>8 798 356 008</b> | silver grey |        |                                                 |               |                     |            |

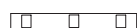
#### Ecoline SM, middle, wall washer

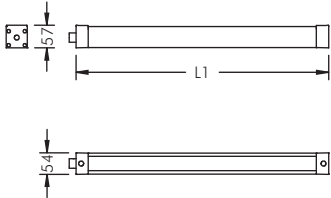
| Part number              | Description                                                     |
|--------------------------|-----------------------------------------------------------------|
| <b>. . . . . 5 . . .</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire (DALI)</b>                                |
| <b>. . . . . 2 . .</b>   | <b>Dimmable luminaire (1-10 V)</b>                              |

The luminaires can be supplied with wide beam or asymmetrical light distribution upon request.

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

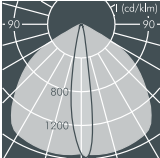




**Ecoline SR**  
**Modular System right**  
With high performance LEDs,  
integral temperature monitoring device,  
wall washer light distribution,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
closure by 2 stainless steel screws,  
with stainless steel coupling on left side,  
tilt range 220°, M20 cable gland,  
integral driver (AC/DC)

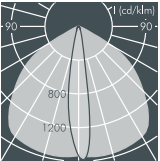
**Ecoline SR, right, wall washer, L1 = 642 mm**

| Part number   | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|---------------------|---------------|---------------------|------------|
| 8 799 046 008 | black       | 2.3 kg | 6 x LED 2.5 W       | 1059 lm       | C 0 – 180           | C 90 – 270 |
| 8 799 066 008 | white       |        | (15 W)              |               | 12°                 | 108°       |
| 8 799 056 008 | silver grey |        | warm white (3000 K) |               |                     |            |



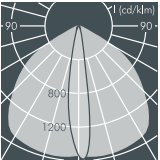
**Ecoline SR, right, wall washer, L1 = 942 mm**

| Part number   | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|---------------------|---------------|---------------------|------------|
| 8 799 146 008 | black       | 2.9 kg | 9 x LED 2.5 W       | 1588 lm       | C 0 – 180           | C 90 – 270 |
| 8 799 166 008 | white       |        | (23 W)              |               | 12°                 | 108°       |
| 8 799 156 008 | silver grey |        | warm white (3000 K) |               |                     |            |



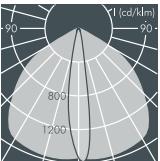
**Ecoline SR, right, wall washer, L1 = 1242 mm**

| Part number   | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|---------------------|---------------|---------------------|------------|
| 8 799 246 008 | black       | 3.4 kg | 12 x LED 2.5 W      | 2118 lm       | C 0 – 180           | C 90 – 270 |
| 8 799 266 008 | white       |        | (30 W)              |               | 12°                 | 108°       |
| 8 799 256 008 | silver grey |        | warm white (3000 K) |               |                     |            |



**Ecoline SR, right, wall washer, L1 = 1542 mm**

| Part number   | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|---------------------|---------------|---------------------|------------|
| 8 799 346 008 | black       | 4.0 kg | 15 x LED 2.5 W      | 2647 lm       | C 0 – 180           | C 90 – 270 |
| 8 799 366 008 | white       |        | (38 W)              |               | 12°                 | 108°       |
| 8 799 356 008 | silver grey |        | warm white (3000 K) |               |                     |            |



**Ecoline SR, right, wall washer**

| Part number       | Description                                              |
|-------------------|----------------------------------------------------------|
| . . . . . 5 . . . | Luminaire with neutral white colour temperature (4000 K) |
| . . . . . 1 . .   | Dimmable luminaire (DALI)                                |
| . . . . . 2 . .   | Dimmable luminaire (1-10 V)                              |

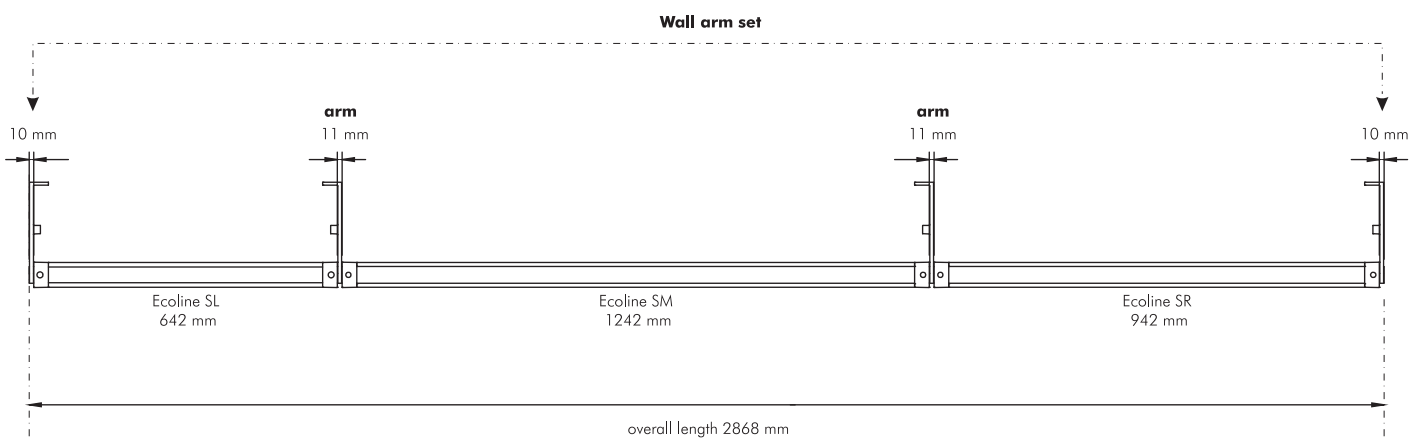
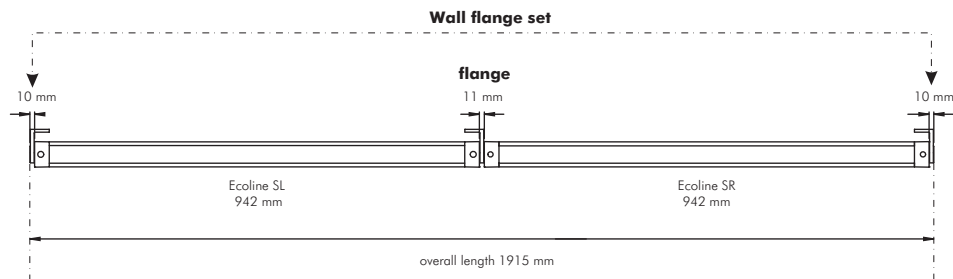
The luminaires can be supplied with wide beam or asymmetrical light distribution upon request.

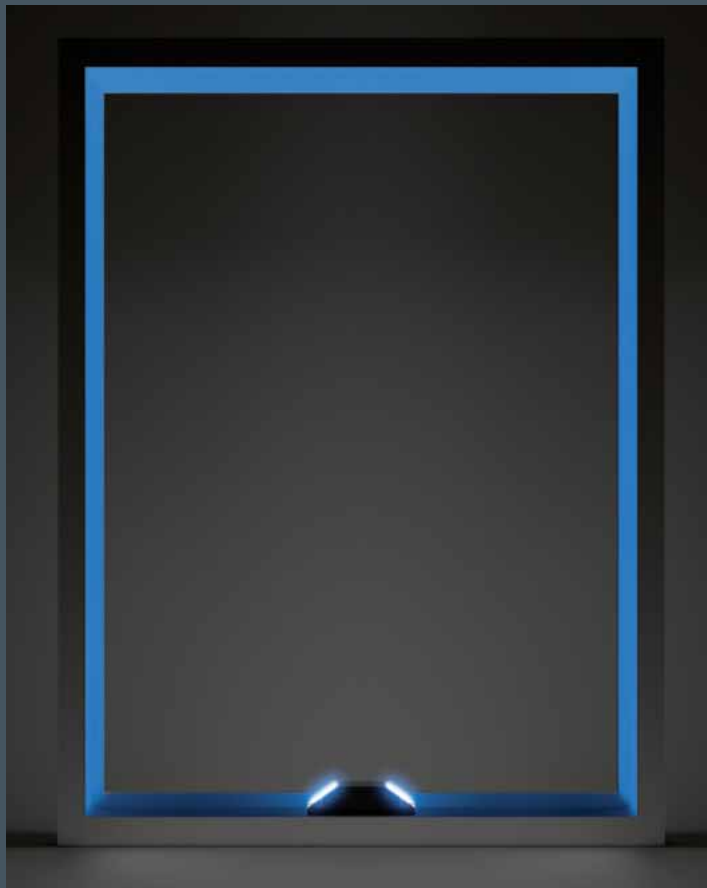
**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request  
  

## System examples

To calculate the overall length of the system, the lengths of the individual luminaire modules and the dimensions of the connection flanges or arms must be added together.

By combining luminaires of different lengths, the overall length of the system can be made to coincide with the dimensions of the surface to be illuminated.





Arclux is a luminaire for the accent lighting of window reveals. The light from 2 LEDs is directed from the opposite sides of the luminaire, via specially developed reflectors, onto the window reveal. The result is a uniform arc of light. A complete window reveal can be illuminated using just one luminaire.



With the precise optical system the intensity of the light beam is adapted to varying distances from the luminaire to the window frame. Hence an optimal uniformity is achieved. Arclux RGBW creates the same effect with excellent colour mixing.

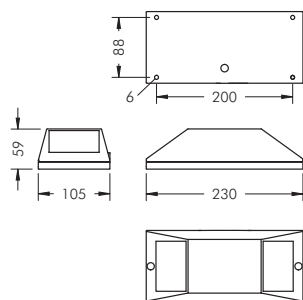




The structure of a façade can be emphasized by illuminating the window reveals. The result is the impressive highlighting of a building at night.



Politiebureau Rijnmond, Rotterdam/Netherlands  
Lighting design: Robert Jan Vos, Hilversum



### Arclux Mini

With high performance LEDs,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
light directed by a high-end optical system,  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered high transmission safety glass,  
silicon gasket, 4 drilled holes Ø 6 mm,  
spacing 200 x 88 mm, M20 cable glands,  
integral driver (AC/DC)

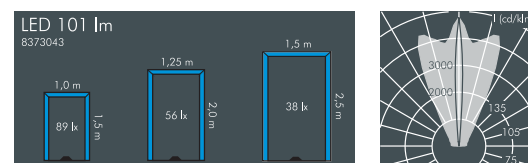
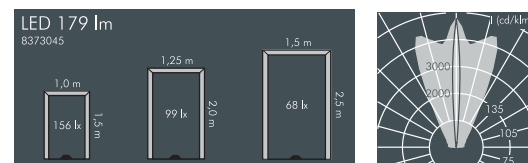
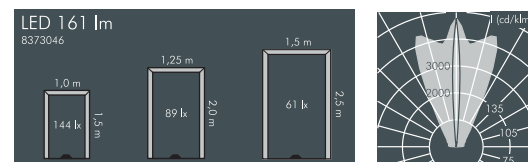
#### Arclux Mini

| Part number*         | Colour      | Weight | Light source                                | Luminous flux | Main beam angle γ |            |
|----------------------|-------------|--------|---------------------------------------------|---------------|-------------------|------------|
| <b>8 373 046 008</b> | black       | 1.0 kg | 2 x LED 2 W<br>(4 W)<br>warm white (3000 K) | 161 lm        | C 0 – 180         | C 90 – 270 |
| <b>8 373 066 008</b> | white       |        |                                             |               | 6°                | 180°       |
| <b>8 373 056 008</b> | silver grey |        |                                             |               |                   |            |

| Part number*         | Colour      | Weight | Light source                                   | Luminous flux | Main beam angle γ |            |
|----------------------|-------------|--------|------------------------------------------------|---------------|-------------------|------------|
| <b>8 373 045 008</b> | black       | 1.0 kg | 2 x LED 2 W<br>(4 W)<br>neutral white (4000 K) | 179 lm        | C 0 – 180         | C 90 – 270 |
| <b>8 373 065 008</b> | white       |        |                                                |               | 6°                | 180°       |
| <b>8 373 055 008</b> | silver grey |        |                                                |               |                   |            |

| Part number*         | Colour      | Weight | Light source                 | Luminous flux | Main beam angle γ |            |
|----------------------|-------------|--------|------------------------------|---------------|-------------------|------------|
| <b>8 373 043 008</b> | black       | 1.0 kg | 2 x LED 2 W<br>(4 W)<br>blue | 101 lm        | C 0 – 180         | C 90 – 270 |
| <b>8 373 063 008</b> | white       |        |                              |               | 6°                | 180°       |
| <b>8 373 053 008</b> | silver grey |        |                              |               |                   |            |

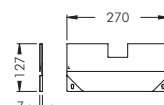
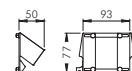
\* The luminaire can also be supplied with monochrome LEDs (amber, red, green) upon request.  
DMX/DALI control with external converter



#### Accessories Arclux, Arclux RGBW (not for Arclux Mini)

| Part number          | Colour      | Description                                                 |
|----------------------|-------------|-------------------------------------------------------------|
| <b>123 0 367 940</b> | black       | <b>Glare shield</b> , to reduce the width of the light beam |
| <b>123 0 367 960</b> | white       |                                                             |
| <b>123 0 367 950</b> | silver grey |                                                             |

| Part number          | Colour    | Description                                                |
|----------------------|-----------|------------------------------------------------------------|
| <b>123 0 370 000</b> | unpainted | <b>Mounting plate</b> , stainless steel, for window ledges |



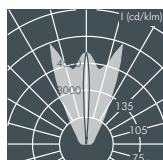
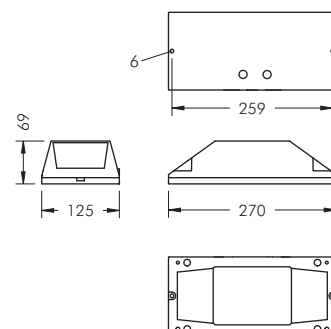
#### LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request

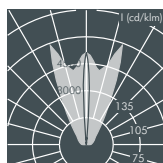


## Arclux

With high performance LEDs,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67  IK08  
light directed by a high-end optical system,  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered high transmission safety glass,  
silicon gasket, 2 drilled holes Ø 6 mm,  
spacing 259 mm, 2 x M20 cable glands,  
4 x M6 grub screws to offset inclined surfaces,  
integral driver (AC)



| LED 930 lm |        | 3,0 m  |       |
|------------|--------|--------|-------|
| 8375046    | 2,0 m  | 2,5 m  | 4,0 m |
|            | 228 lx | 139 lx | 84 lx |
|            | 3,0 m  | 4,0 m  | 5,5 m |



| LED 977 lm |        | 3,0 m  |       |
|------------|--------|--------|-------|
| 8375045    | 2,0 m  | 2,5 m  | 4,0 m |
|            | 240 lx | 146 lx | 89 lx |
|            | 3,0 m  | 4,0 m  | 5,5 m |

### Arclux

| Part number*         | Colour      | Weight | Light source                                   | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------------------------------|---------------|-------------------|
| <b>8 375 046 008</b> | black       | 1.6 kg | 2 x LED 6.5 W<br>(13 W)<br>warm white (3000 K) | 930 lm        | C 0 – 180         |
| <b>8 375 066 008</b> | white       |        |                                                |               | C 90 – 270        |
| <b>8 375 056 008</b> | silver grey |        |                                                |               | 10° 180°          |

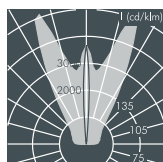
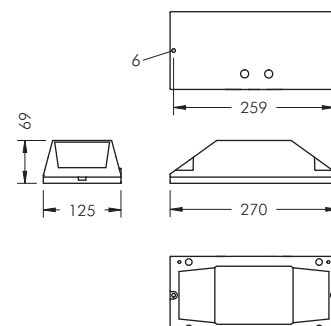
| Part number*         | Colour      | Weight | Light source                                      | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|---------------------------------------------------|---------------|-------------------|
| <b>8 375 045 008</b> | black       | 1.6 kg | 2 x LED 6.5 W<br>(13 W)<br>neutral white (4000 K) | 977 lm        | C 0 – 180         |
| <b>8 375 065 008</b> | white       |        |                                                   |               | C 90 – 270        |
| <b>8 375 055 008</b> | silver grey |        |                                                   |               | 10° 180°          |

\* Luminaires available in 2700 K or other colour temperatures upon request

| Part number     | Description                      |
|-----------------|----------------------------------|
| • • • • • 1 • • | <b>Dimmable luminaire (DALI)</b> |

## Arclux RGBW

With high performance LEDs RGBW  
for external DMX signal  
protection class I, IP67  IK08  
homogeneous colour mixing achieved using light  
conductor technology, light directed by a high-end  
optical system, 3 preset colour changing sequences  
and the individual colours available without the  
use of an external DMX signal, corrosion-resistant  
die cast aluminium housing AlSi12,  
polyester powder coated, all exterior steel parts are  
stainless steel, high efficiency safety glass,  
silicone gasket, 2 drilled holes Ø 6 mm,  
spacing 259 mm, cable entries: 2 x M20,  
4 x M6 grub screws to offset inclined surfaces,  
integral DMX 512 addressable driver



| LED RGBW max. 106 lm |       | 1,5 m   |       |
|----------------------|-------|---------|-------|
| 8374049              | 1,5 m | 1,5 m   | 2,5 m |
|                      | 18 lx | 32,5 lx | 64 lx |
|                      | 2,5 m | 2,5 m   | 2,5 m |

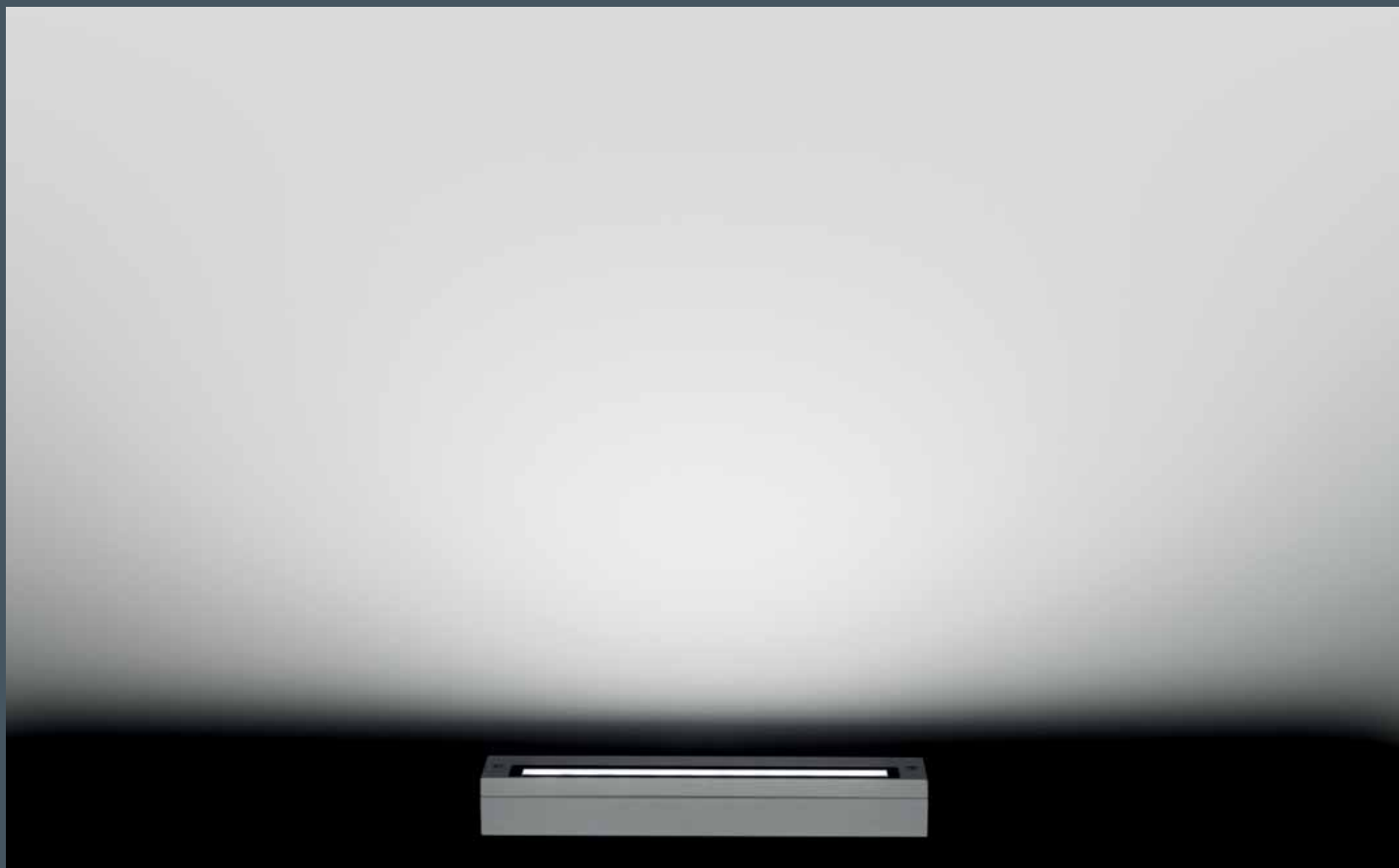
### Arclux RGBW

| Part number          | Colour      | Weight | Light source**                            | Luminous flux  | Main beam angle γ |
|----------------------|-------------|--------|-------------------------------------------|----------------|-------------------|
| <b>8 374 049 008</b> | black       | 1.6 kg | 2 x LED RGBW<br>W = 3000 K<br>(max. 12 W) | max.<br>106 lm | C 0 – 180         |
| <b>8 374 069 008</b> | white       |        |                                           |                | C 90 – 270        |
| <b>8 374 059 008</b> | silver grey |        |                                           |                | 12° 180°          |

\*\* The luminaires are available with LEDs in different colour combinations upon request.

LED (see page 247)



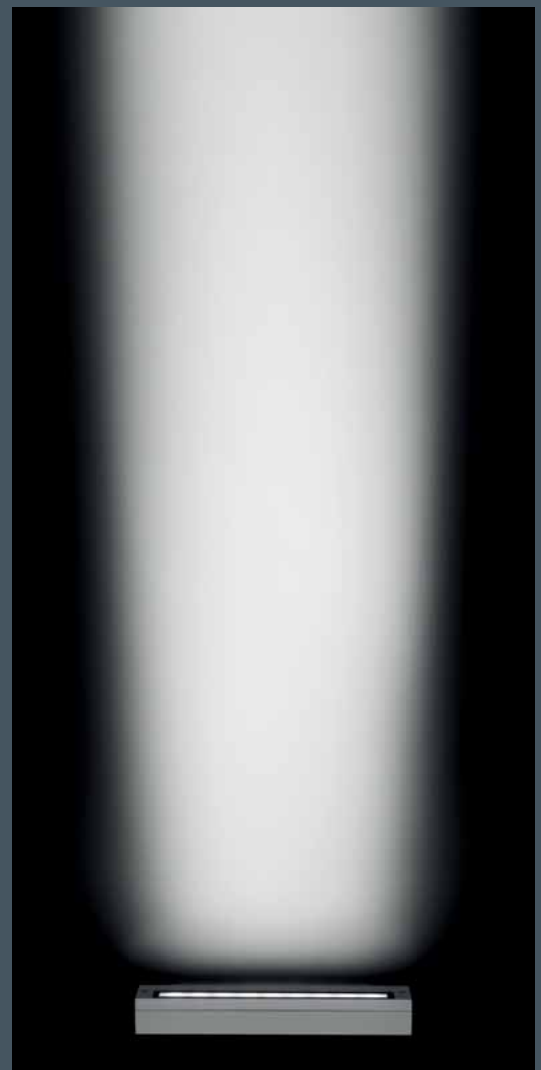


Highline is a range of façade luminaires of minimalistic design. They are available with wall washer, narrow beam or asymmetrical distribution. The fields of application range from accent lighting to uniform wall washing. Highline is a versatile instrument for many different applications, in a uniform and discreet housing.



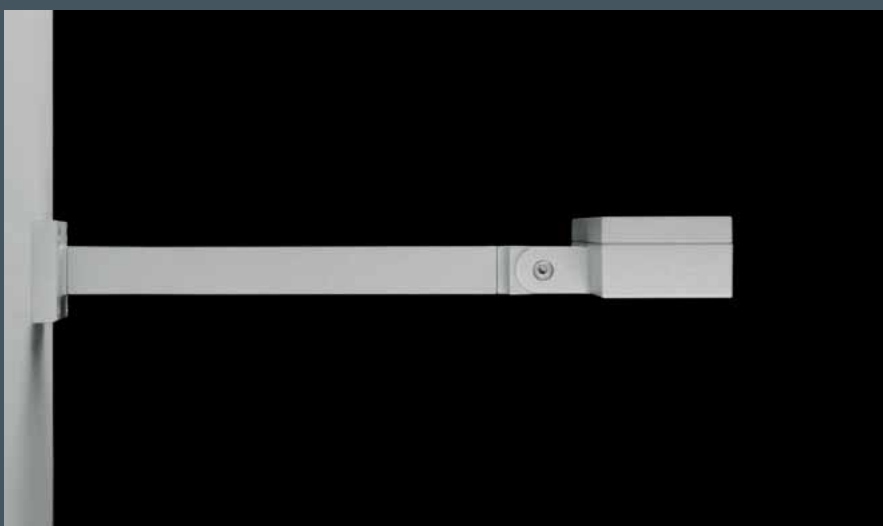
With narrow beam distribution the luminaires are used for the accent lighting of vertical surfaces.

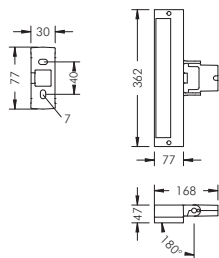




The narrow beam version produces an intensive grazing effect above the longitudinal axis of the luminaire.

The luminaires are available with 3 different fixing systems:  
a bracket for installation on a façade, a mounting base or a wall arm.





## Highline with wall bracket

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.029 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass,  
silicon gasket, closure with 2 stainless steel screws,  
wall bracket: 2 elongated holes Ø 6.5 mm,  
spacing 40 mm, tilt range 180°,  
M20 cable gland,  
integral driver (AC/DC)

### Highline, narrow beam

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 730 146 018</b> | black       | 1.7 kg | 9 x LED 2.5 W<br>(23 W) | 1508 lm       | 6°                  |
| <b>8 730 166 018</b> | white       |        | warm white (3000 K)     |               |                     |
| <b>8 730 156 018</b> | silver grey |        |                         |               |                     |

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 730 145 018</b> | black       | 1.7 kg | 9 x LED 2.5 W<br>(23 W) | 1583 lm       | 6°                  |
| <b>8 730 165 018</b> | white       |        | neutral white (4000 K)  |               |                     |
| <b>8 730 155 018</b> | silver grey |        |                         |               |                     |

### Highline, wall washer

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|------------|
| <b>8 730 146 008</b> | black       | 1.7 kg | 9 x LED 2.5 W<br>(23 W) | 1281 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 730 166 008</b> | white       |        | warm white (3000 K)     |               | 14°                 | 93°        |
| <b>8 730 156 008</b> | silver grey |        |                         |               |                     |            |

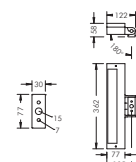
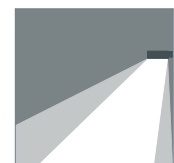
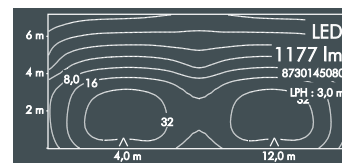
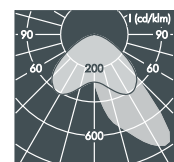
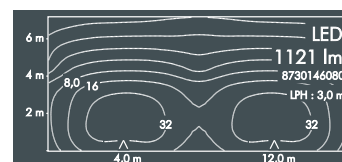
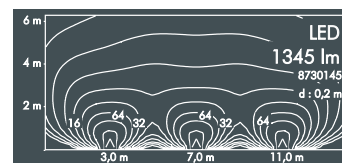
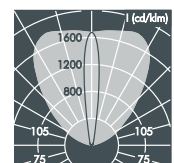
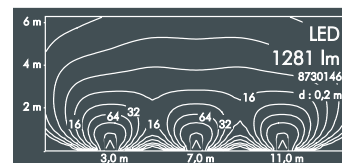
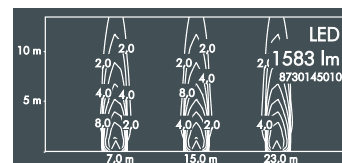
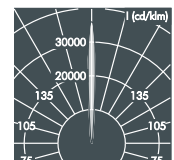
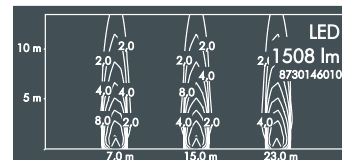
| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|------------|
| <b>8 730 145 008</b> | black       | 1.7 kg | 9 x LED 2.5 W<br>(23 W) | 1345 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 730 165 008</b> | white       |        | neutral white (4000 K)  |               | 14°                 | 93°        |
| <b>8 730 155 008</b> | silver grey |        |                         |               |                     |            |

### Highline, asymmetrical beam

| Part number          | Colour      | Weight | Light source            | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-------------------------|---------------|-------------------|
| <b>8 730 146 088</b> | black       | 1.7 kg | 9 x LED 2.5 W<br>(23 W) | 1121 lm       | 35°               |
| <b>8 730 166 088</b> | white       |        | warm white (3000 K)     |               |                   |
| <b>8 730 156 088</b> | silver grey |        |                         |               |                   |

| Part number          | Colour      | Weight | Light source            | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-------------------------|---------------|-------------------|
| <b>8 730 145 088</b> | black       | 1.7 kg | 9 x LED 2.5 W<br>(23 W) | 1177 lm       | 35°               |
| <b>8 730 165 088</b> | white       |        | neutral white (4000 K)  |               |                   |
| <b>8 730 155 088</b> | silver grey |        |                         |               |                   |

| Part number     | Description                                                     |
|-----------------|-----------------------------------------------------------------|
| <b>... 0...</b> | <b>Luminaire with mounting flange</b> (for horizontal surfaces) |
| <b>... 1..</b>  | <b>Dimmable luminaire (DALI)</b>                                |
| <b>... 2..</b>  | <b>Dimmable luminaire (1-10 V)</b>                              |

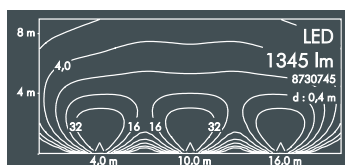
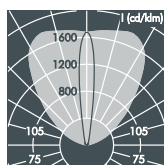
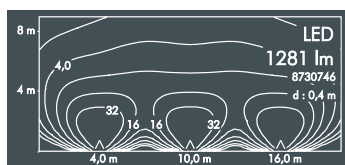
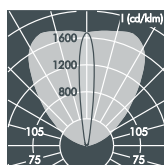
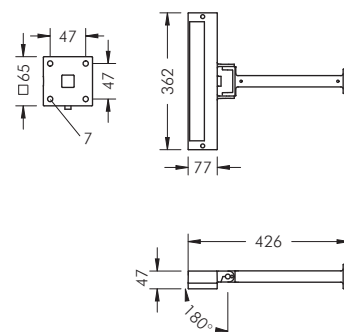


**LED** (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

## Highline with wall arm

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life:: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.035 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass,  
silicon gasket, closure with 2 stainless steel screws,  
mounting plate: 4 drilled holes Ø 7 mm,  
spacing 47 mm, joint with tilt range 180°,  
M20 cable gland,  
integral driver (AC/DC)



### Highline with wall arm, wall washer

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| <b>8 730 746 008</b> | black       | 2.0 kg | 9 x LED 2.5 W<br>(23 W)<br>warm white (3000 K) | 1281 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 730 766 008</b> | white       |        |                                                |               | 14°                 | 93°        |
| <b>8 730 756 008</b> | silver grey |        |                                                |               |                     |            |

| Part number          | Colour      | Weight | Light source                                      | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------|---------------|---------------------|------------|
| <b>8 730 745 008</b> | black       | 2.0 kg | 9 x LED 2.5 W<br>(23 W)<br>neutral white (4000 K) | 1345 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 730 765 008</b> | white       |        |                                                   |               | 14°                 | 93°        |
| <b>8 730 755 008</b> | silver grey |        |                                                   |               |                     |            |

| Part number              | Description                        |
|--------------------------|------------------------------------|
| <b>1 . . . . . 1 . .</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>1 . . . . . 2 . .</b> | <b>Dimmable luminaire (1-10 V)</b> |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

• • • • •

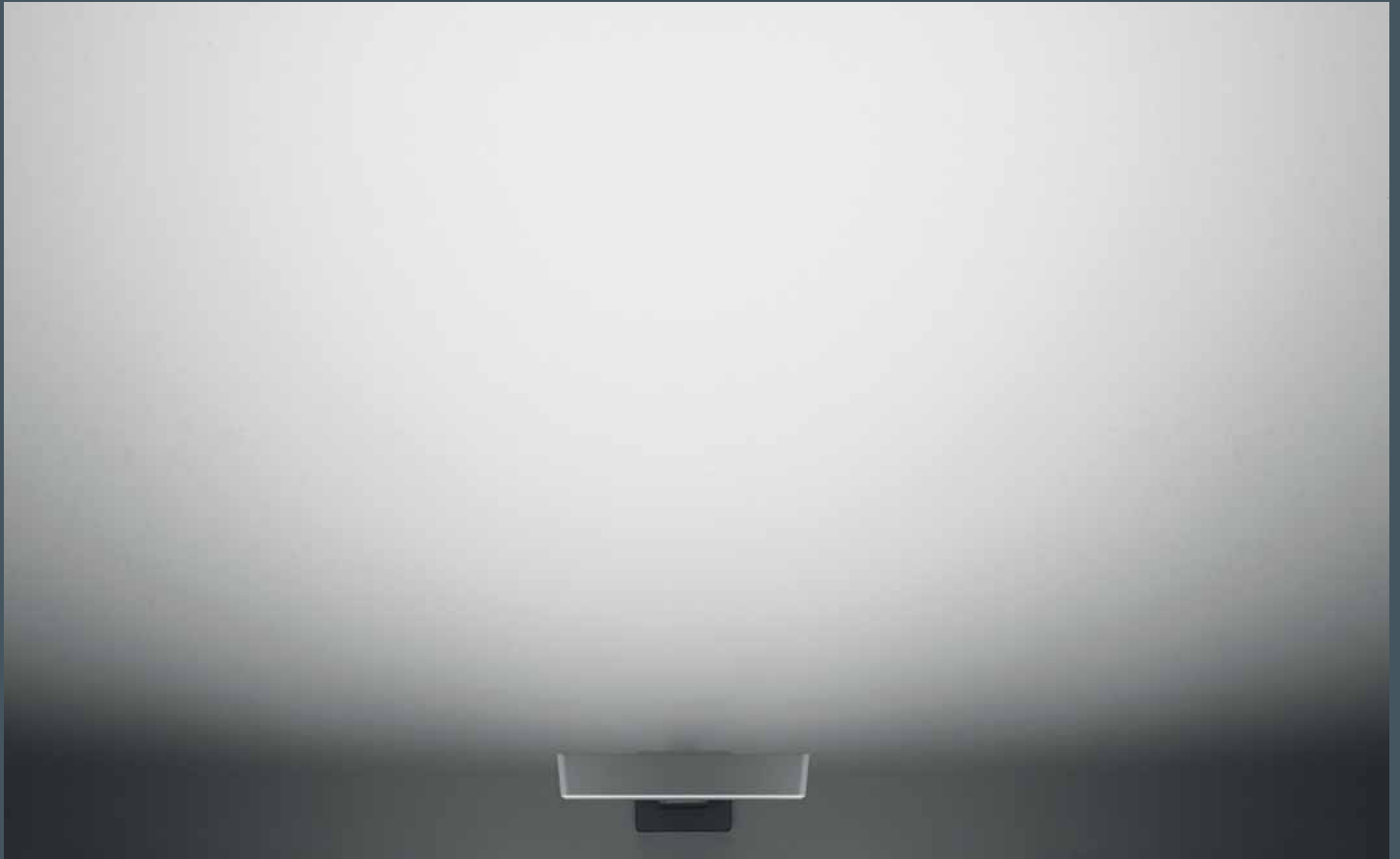


The Expolux range of luminaires illuminates signs or advertising surfaces to a high level of uniformity. The light emitted by a LED module is directed asymmetrically by a special lens onto the surface. High levels of illumination are achieved with very low power consumption. Innovative LED technology is put to good use.

The low profile housing is very compact and only needs to be tilted very little thanks to the asymmetrical distribution lens. Together with the short arm, the overall impression is a very discreet luminaire. But one which can make any sign or façade stand out.



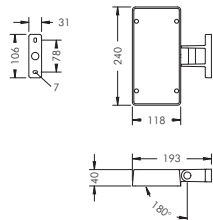
Advertising surfaces of various dimensions can be illuminated uniformly and economically. The luminaires themselves blend discreetly into the background.



An advertising panel measuring 2 x 2 metres can be illuminated using just one sign luminaire. Luminaires with wall washer optics are suitable for façade lighting applications.

There are two different optical systems adapted for sign or façade lighting applications.

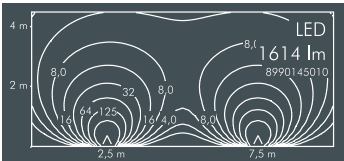
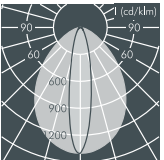
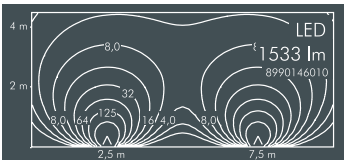




**Expolux**  
With high performance LED module,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L80/B10 > 50 000 h  
protection class I, IP65    , IK10  
windage area AW 0.03 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
baton lens made of high efficiency optical silicon,  
all exterior steel parts are stainless steel,  
UV stabilised polycarbonate cover, silicon gasket,  
closure with 4 stainless steel screws, wall mounting  
plate: 2 drilled holes Ø 7 mm, spacing 78 mm,  
joint with tilt range 180°, cable entry: M20,  
integral driver (AC/DC)

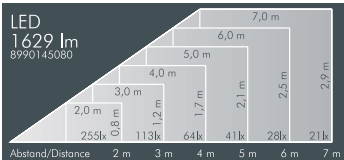
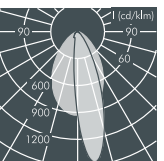
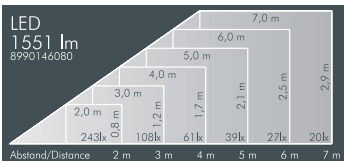
| Expolux, wall washer |             |        |                                            |               |                     |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
| 8 990 146 018        | black       | 1.8 kg | 1 x LED module 18 W<br>warm white (3000 K) | 1533 lm       | C 0 – 180           | C 90 – 270 |
| 8 990 166 018        | white       |        |                                            |               | 20°                 | 82°        |
| 8 990 156 018        | silver grey |        |                                            |               |                     |            |

| Part number   | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |     |
|---------------|-------------|--------|-----------------------------------------------|---------------|---------------------|-----|
| 8 990 145 018 | black       | 1.8 kg | 1 x LED module 18 W<br>neutral white (4000 K) | 1614 lm       | C 0 – 180           |     |
| 8 990 165 018 | white       |        |                                               |               | 20°                 | 82° |
| 8 990 155 018 | silver grey |        |                                               |               |                     |     |



| Expolux, asymmetrical beam |             |        |                                            |               |                     |            |
|----------------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| Part number                | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
| 8 990 146 088              | black       | 1.8 kg | 1 x LED module 18 W<br>warm white (3000 K) | 1551 lm       | C 0 – 180           | C 90 – 270 |
| 8 990 166 088              | white       |        |                                            |               | 43°                 | 70°        |
| 8 990 156 088              | silver grey |        |                                            |               |                     |            |

| Part number   | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| 8 990 145 088 | black       | 1.8 kg | 1 x LED module 18 W<br>neutral white (4000 K) | 1629 lm       | C 0 – 180           | C 90 – 270 |
| 8 990 165 088 | white       |        |                                               |               | 43°                 | 70°        |
| 8 990 155 088 | silver grey |        |                                               |               |                     |            |



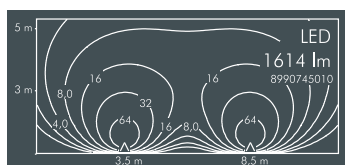
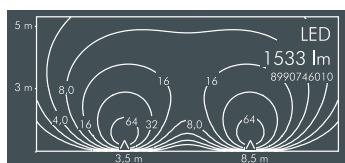
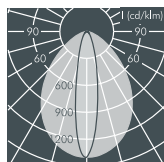
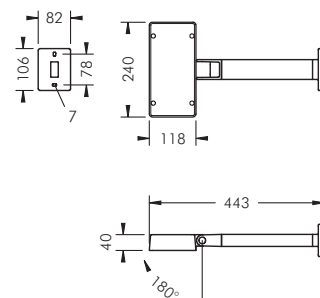
| Part number   | Description                 |
|---------------|-----------------------------|
| . . . . . 1.. | Dimmable luminaire (DALI)   |
| . . . . . 2.. | Dimmable luminaire (1-10 V) |

**LED** (see page 247)  
Luminaires available in 2700 K or other colour temperatures upon request



## Expolux with wall arm

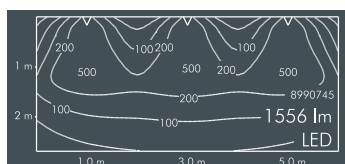
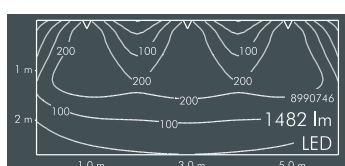
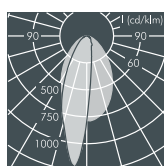
With high performance LED module,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L80/B10 > 50 000 h  
protection class I, IP65   , IK10  
windage area AW 0.04 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
baton lens made of high efficiency optical silicon,  
all exterior steel parts are stainless steel,  
UV stabilised polycarbonate cover, silicon gasket,  
closure with 4 stainless steel screws, wall mounting  
plate: 2 drilled holes Ø 7 mm, spacing 78 mm,  
joint with tilt range 180°, cable entry: M20,  
integral driver (AC/DC)



### Expolux, wall washer with wall arm

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 990 746 018</b> | black       | 2.1 kg | 1 x LED module 18 W<br>warm white (3000 K) | 1533 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 990 766 018</b> | white       |        |                                            |               | 20°                 | 82°        |
| <b>8 990 756 018</b> | silver grey |        |                                            |               |                     |            |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |     |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|-----|
| <b>8 990 745 018</b> | black       | 2.1 kg | 1 x LED module 18 W<br>neutral white (4000 K) | 1614 lm       | C 0 – 180           |     |
| <b>8 990 765 018</b> | white       |        |                                               |               | 20°                 | 82° |
| <b>8 990 755 018</b> | silver grey |        |                                               |               |                     |     |



### Expolux, sign luminaire

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 990 746 008</b> | black       | 2.1 kg | 1 x LED module 18 W<br>warm white (3000 K) | 1482 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 990 766 008</b> | white       |        |                                            |               | 15°                 | 41°        |
| <b>8 990 756 008</b> | silver grey |        |                                            |               |                     |            |

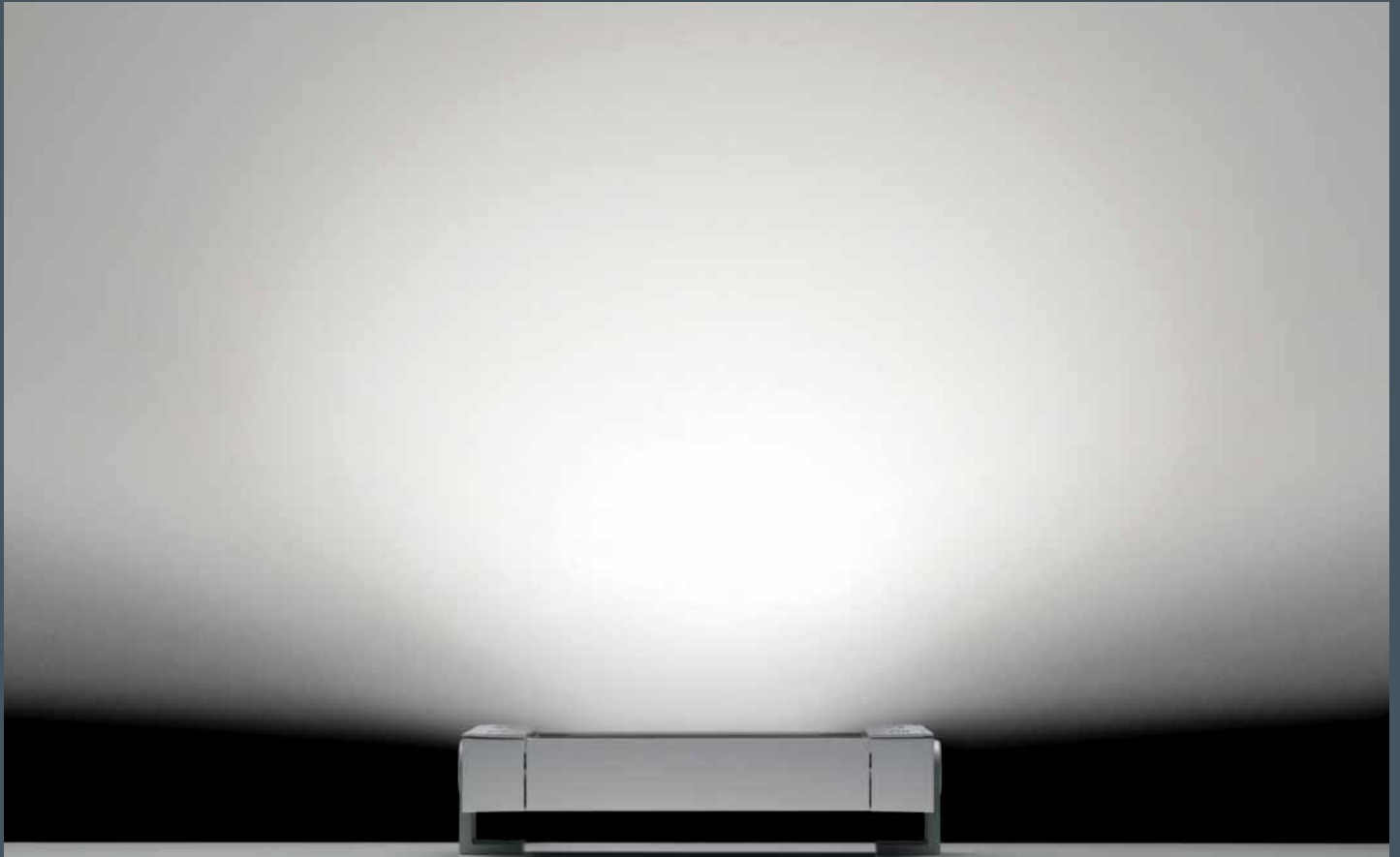
| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 990 745 008</b> | black       | 2.1 kg | 1 x LED module 18 W<br>neutral white (4000 K) | 1556 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 990 765 008</b> | white       |        |                                               |               | 15°                 | 41°        |
| <b>8 990 755 008</b> | silver grey |        |                                               |               |                     |            |

| Part number    | Description                        |
|----------------|------------------------------------|
| <b>... 1..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>... 2..</b> | <b>Dimmable luminaire (1-10 V)</b> |

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request





Design: Roy Fleetwood

Ecovision are luminaires for uniform façade illumination. The special wall washer optics are extremely wide beam in the horizontal plane but narrow beam in the vertical plane. This fans out the light which then grazes up the façade. This makes optimal use of the luminous flux on the area to be illuminated. The shallow profile of the luminaire makes it a very discrete product. Furthermore, the precise optics make it possible to achieve high levels of illumination with low power consumption.

Place Stanislas, Nancy/France  
Lighting design:  
Communauté Urbaine de Grand Nancy



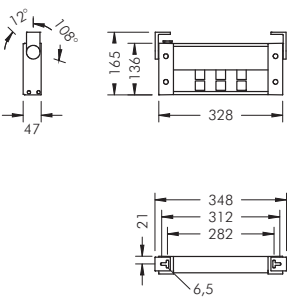




The luminous flux is concentrated in the vertical plane and grazes up the façade with hardly any light pollution.

Precise optics and a shallow housing with excellent heat dissipation properties characterise Ecovision.



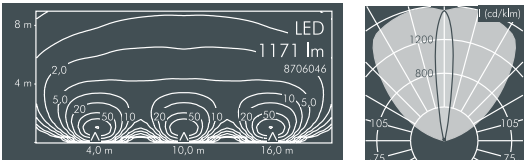


**Ecovision Mini  
wall washer**

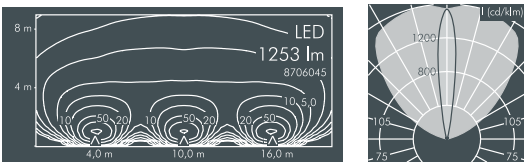
With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
closure by 4 stainless steel screws,  
mounting flange: 2 drilled holes Ø 6.5 mm,  
spacing 282 mm, tilt range 120°,  
PG11 cable gland, integral driver (AC/DC)

**Ecovision Mini, wall washer**

| Part number*         | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| <b>8 706 046 008</b> | black       | 2.3 kg | 6 x LED 2.5 W<br>(15 W)<br>warm white (3000 K) | 1171 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 706 066 008</b> | white       |        |                                                |               | 15°                 | 103°       |
| <b>8 706 056 008</b> | silver grey |        |                                                |               |                     |            |



| Part number*         | Colour      | Weight | Light source                                      | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------|---------------|---------------------|------------|
| <b>8 706 045 008</b> | black       | 2.3 kg | 6 x LED 2.5 W<br>(15 W)<br>neutral white (4000 K) | 1253 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 706 065 008</b> | white       |        |                                                   |               | 15°                 | 103°       |
| <b>8 706 055 008</b> | silver grey |        |                                                   |               |                     |            |



| Part number*         | Description                        |
|----------------------|------------------------------------|
| <b>. . . . . 1..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>. . . . . 2..</b> | <b>Dimmable luminaire (1-10 V)</b> |

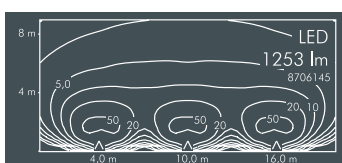
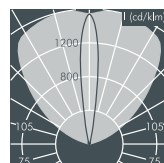
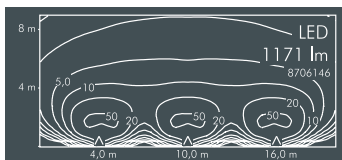
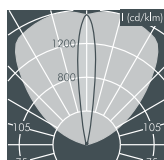
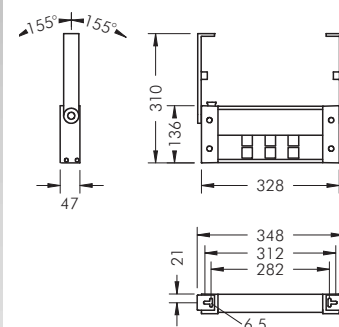
\* Luminaires with two cable glands available upon request

**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



## Ecovision Mini wall washer with wall arms

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
closure by 4 stainless steel screws,  
wall arms: 2 drilled holes Ø 6.5 mm,  
spacing 282 mm, tilt range 310°,  
PG11 cable gland, integral driver (AC/DC)



### Ecovision Mini, wall washer with wall arms

| Part number*         | Colour      | Weight | Leuchtmittel                                   | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| <b>8 706 146 008</b> | black       | 2.8 kg | 6 x LED 2.5 W<br>(15 W)<br>warm white (3000 K) | 1171 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 706 166 008</b> | white       |        |                                                |               | 15°                 | 103°       |
| <b>8 706 156 008</b> | silver grey |        |                                                |               |                     |            |

| Part number*         | Colour      | Weight | Leuchtmittel                                      | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------|---------------|---------------------|------------|
| <b>8 706 145 008</b> | black       | 2.8 kg | 6 x LED 2.5 W<br>(15 W)<br>neutral white (4000 K) | 1253 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 706 165 008</b> | white       |        |                                                   |               | 15°                 | 103°       |
| <b>8 706 155 008</b> | silver grey |        |                                                   |               |                     |            |

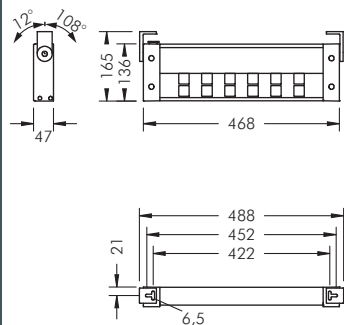
| Part number*    | Description                        |
|-----------------|------------------------------------|
| <b>... 1 ..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>... 2 ..</b> | <b>Dimmable luminaire (1-10 V)</b> |

\* Luminaires with two cable glands available upon request

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

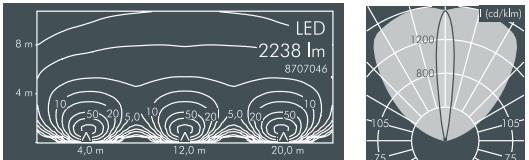




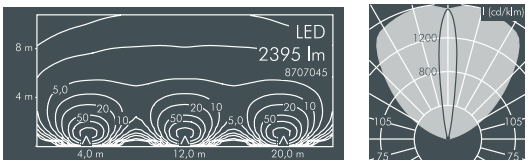
**Ecovision  
wall washer**

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
closure by 4 stainless steel screws,  
mounting flange: 2 drilled holes Ø 6.5 mm,  
spacing 422 mm, tilt range 120°,  
PG11 cable gland, integral driver (AC/DC)

| Ecovision, wall washer |             |        |                     |               |                     |            |
|------------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| Part number*           | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
| <b>8 707 046 008</b>   | black       | 2.9 kg | 12 x LED 2.4 W      | 2238 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 707 066 008</b>   | white       |        | (29 W)              |               | 15°                 | 103°       |
| <b>8 707 056 008</b>   | silver grey |        | warm white (3000 K) |               |                     |            |



| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 707 045 008</b> | black       | 2.9 kg | 12 x LED 2.4 W         | 2395 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 707 065 008</b> | white       |        | (29 W)                 |               | 15°                 | 103°       |
| <b>8 707 055 008</b> | silver grey |        | neutral white (4000 K) |               |                     |            |



| Part number*         | Description                        |
|----------------------|------------------------------------|
| <b>. . . . . 1..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>. . . . . 2..</b> | <b>Dimmable luminaire (1-10 V)</b> |

\* Luminaires with two cable glands available upon request

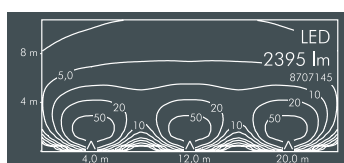
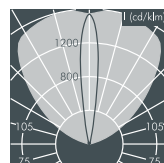
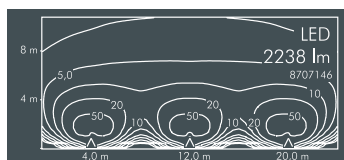
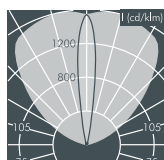
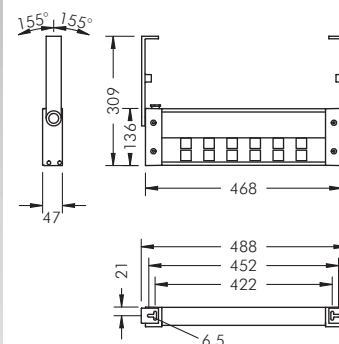
**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



## Ecovision

### wall washer with wall arms

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK10  
housing made of extruded aluminium and  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
polycarbonate cover, silicon gasket,  
closure by 4 stainless steel screws,  
wall arms: 2 drilled holes  $\varnothing$  6.5 mm,  
spacing 422 mm, tilt range 310°,  
PG11 cable gland, integral driver (AC/DC)



#### Ecovision, wall washer with wall arms

| Part number*         | Colour      | Weight | Light source             | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|--------------------------|---------------|----------------------------|------------|
| <b>8 707 146 008</b> | black       | 3.4 kg | 12 x LED 2.4 W<br>(29 W) | 2238 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 707 166 008</b> | white       |        | warm white (3000 K)      |               | 15°                        | 103°       |
| <b>8 707 156 008</b> | silver grey |        |                          |               |                            |            |

| Part number*         | Colour      | Weight | Light source             | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|--------------------------|---------------|----------------------------|------------|
| <b>8 707 145 008</b> | black       | 3.4 kg | 12 x LED 2.4 W<br>(29 W) | 2395 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 707 165 008</b> | white       |        | neutral white (4000 K)   |               | 15°                        | 103°       |
| <b>8 707 155 008</b> | silver grey |        |                          |               |                            |            |

| Part number*    | Description                        |
|-----------------|------------------------------------|
| <b>... 1 ..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>... 2 ..</b> | <b>Dimmable luminaire (1-10 V)</b> |

\* Luminaires with two cable glands available upon request

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





Nanocube is a new exterior luminaire series with minimalist design and compact dimensions. For this product range there is a choice of narrow beam, wide beam and asymmetrical light distributions. The luminaires can be integrated discreetly into the architectural environment and deliver high lumen output despite their miniature size. With integral LED drivers they can be directly connected to mains voltage power supply.

actual size



Nanocube brings miniaturization to the next level. The floodlights can be installed very discreetly.



In addition to floodlights for accent and landscape lighting there are versions for wall and ceiling mount applications.



For façade and sign illumination an unobtrusive wall arm is available as an accessory.





With high performance LED module,  
integral temperature monitoring device,  
CRI: > 80, colour tolerance: 3 SDCM  
service life: L90/B10 > 50 000 h  
protection class I, IP65   , IK07  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass,  
silicon gasket, powder coated die cast  
aluminium mounting bracket:  
1 elongated holes Ø 6.5 mm, spacing 15 mm,  
tilt range 180°, M16 cable gland,  
with 0.8 m cable H05RN-F3G1,  
integral driver (AC/DC)

| Part number          | Colour      | Weight | Light source                              | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|-------------------------------------------|---------------|----------------------------|
| <b>8 308 046 018</b> | black       | 0.5 kg | 1 x LED module 5 W<br>warm white (3000 K) | 326 lm        | 6°                         |
| <b>8 308 066 018</b> | white       |        |                                           |               |                            |
| <b>8 308 056 018</b> | silver grey |        |                                           |               |                            |

| Part number          | Colour      | Weight | Light source                                | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|---------------------------------------------|---------------|----------------------------|
| <b>8 308 045 018</b> | black       | 0.5 kg | 1 x LED Modul 5 W<br>neutral white (4000 K) | 342 lm        | 6°                         |
| <b>8 308 065 018</b> | white       |        |                                             |               |                            |
| <b>8 308 055 018</b> | silver grey |        |                                             |               |                            |

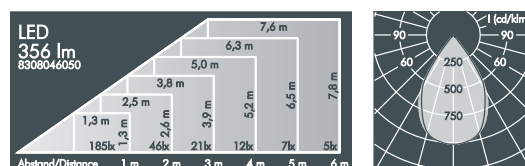
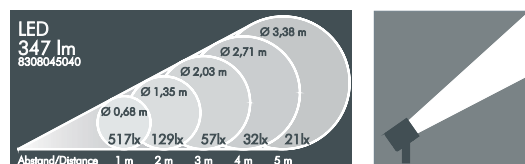
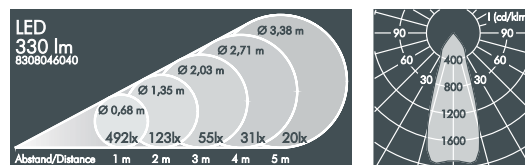
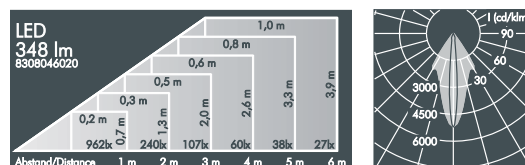
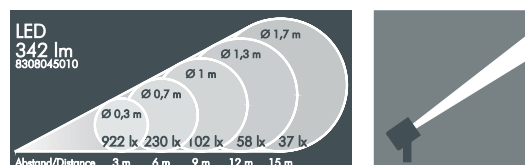
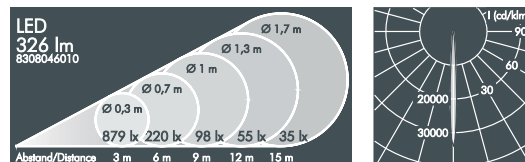
| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |  |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|--|
| <b>8 308 046 028</b> | black       | 0.5 kg | 1 x LED module 5 W  | 348 lm        | C 0 – 180           | C 90 – 270 |  |
| <b>8 308 066 028</b> | white       |        | warm white (3000 K) |               | 34°                 | 7°         |  |
| <b>8 308 056 028</b> | silver grey |        |                     |               |                     |            |  |

| Part number          | Colour      | Weight | light source                              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------------------------|---------------|---------------------|
| <b>8 308 046 048</b> | black       | 0.5 kg | 1 x LED module 5 W<br>warm white (3000 K) | 330 lm        | 37°                 |
| <b>8 308 066 048</b> | white       |        |                                           |               |                     |
| <b>8 308 056 048</b> | silver grey |        |                                           |               |                     |

| Part number          | Colour      | Weight | Light source                                 | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|----------------------------------------------|---------------|---------------------|
| <b>8 308 045 048</b> | black       | 0.5 kg | 1 x LED module 5 W<br>neutral white (4000 K) | 347 lm        | 37°                 |
| <b>8 308 065 048</b> | white       |        |                                              |               |                     |
| <b>8 308 055 048</b> | silver grey |        |                                              |               |                     |

| Part number*         | Colour      | Weight | Light source                              | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------|---------------|---------------------|------------|
| <b>8 308 046 058</b> | black       | 0.5 kg | 1 x LED module 5 W<br>warm white (3000 K) | 356 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 308 066 058</b> | white       |        |                                           |               | 66°                 | 64°        |
| <b>8 308 056 058</b> | silver grey |        |                                           |               |                     |            |

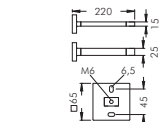
| Part number*         | Colour      | Weight | light source                              | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-------------------------------------------|---------------|-------------------|
| <b>8 308 046 088</b> | black       | 0.5 kg | 1 x LED module 5 W<br>warm white (3000 K) | 236 lm        | 28°               |
| <b>8 308 066 088</b> | white       |        |                                           |               |                   |
| <b>8 308 056 088</b> | silver grey |        |                                           |               |                   |



Luminaires available in 2700 K and other colour temperatures upon request

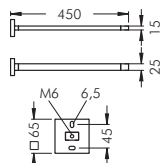




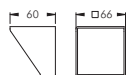


### Accessories Nanocube

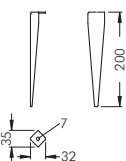
| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>123 0 467 940</b> | black       | <b>Wall arm 220 mm,</b><br>aluminium, polyester powder coated |
| <b>123 0 467 960</b> | white       |                                                               |
| <b>123 0 467 950</b> | silver grey |                                                               |



| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>123 0 468 940</b> | black       | <b>Wall arm 450 mm,</b><br>aluminium, polyester powder coated |
| <b>123 0 468 960</b> | white       |                                                               |
| <b>123 0 468 950</b> | silver grey |                                                               |



| Part number          | Colour      | Description                                                       |
|----------------------|-------------|-------------------------------------------------------------------|
| <b>123 0 490 940</b> | black       | <b>Cowl,</b> stainless steel,<br>to avoid glare from 3 directions |
| <b>123 0 490 960</b> | white       |                                                                   |
| <b>123 0 490 950</b> | silver grey |                                                                   |



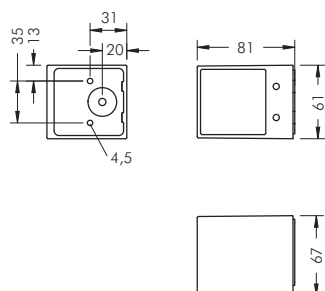
| Part number          | Colour      | Description                                                         |
|----------------------|-------------|---------------------------------------------------------------------|
| <b>123 0 470 940</b> | black       | <b>Earth spike,</b> stainless steel,<br>for use in landscaped areas |
| <b>123 0 470 960</b> | white       |                                                                     |
| <b>123 0 470 950</b> | silver grey |                                                                     |



| Part number          | Colour      | Description                                                                                |
|----------------------|-------------|--------------------------------------------------------------------------------------------|
| <b>123 0 510 941</b> | black       | <b>Carrier frame,</b><br>with safety glass,<br>for colour filters, lenses and plastic film |
| <b>123 0 510 961</b> | white       |                                                                                            |
| <b>123 0 510 951</b> | silver grey |                                                                                            |



| Part number          | Description                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------|
| <b>238 1 222 000</b> | <b>Honeycomb louvre,</b><br>internal (factory fitted, not for retro-fitting),<br>to avoid glare |

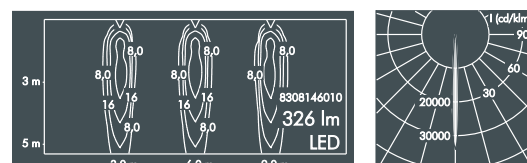


## Nanocube wall luminaire

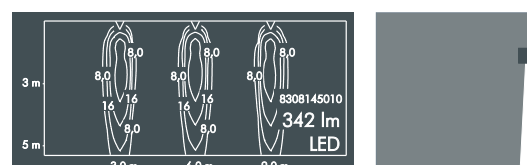
With high performance LED module, integral temperature monitoring device, CRI: > 80, colour tolerance: max. 3 SDCM service life: L90/B10 > 50 000 h protection class I, IP65 , IK07 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, highly efficient reflector, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with grub screw, mounting: 2 drilled holes  $\varnothing$  4.5 mm, spacing 35 mm, cable entry for recessed cable  $\varnothing$  7 - 10 mm, integral driver (AC/DC)

### Nanocube wall luminaire, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|----------------------------|
| <b>8 308 146 018</b> | black       | 0.5 kg | 1 x LED module 5 W  | 326 lm        | 6°                         |
| <b>8 308 166 018</b> | white       |        | warm white (3000 K) |               |                            |
| <b>8 308 156 018</b> | silver grey |        |                     |               |                            |

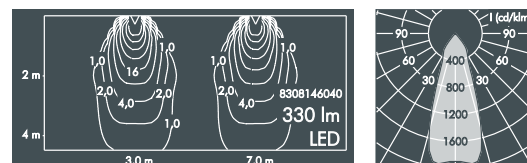


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|----------------------------|
| <b>8 308 145 018</b> | black       | 0.5 kg | 1 x LED module 5 W     | 342 lm        | 6°                         |
| <b>8 308 165 018</b> | white       |        | neutral white (4000 K) |               |                            |
| <b>8 308 155 018</b> | silver grey |        |                        |               |                            |

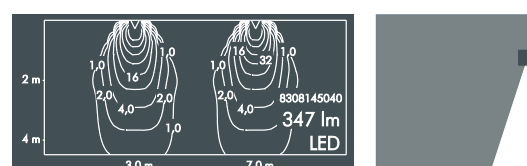


### Nanocube wall luminaire, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|----------------------------|
| <b>8 308 146 048</b> | black       | 0.5 kg | 1 x LED module 5 W  | 330 lm        | 37°                        |
| <b>8 308 166 048</b> | white       |        | warm white (3000 K) |               |                            |
| <b>8 308 156 048</b> | silver grey |        |                     |               |                            |

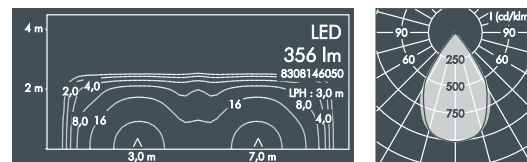


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|----------------------------|
| <b>8 308 145 048</b> | black       | 0.5 kg | 1 x LED module 5 W     | 347 lm        | 37°                        |
| <b>8 308 165 048</b> | white       |        | neutral white (4000 K) |               |                            |
| <b>8 308 155 048</b> | silver grey |        |                        |               |                            |



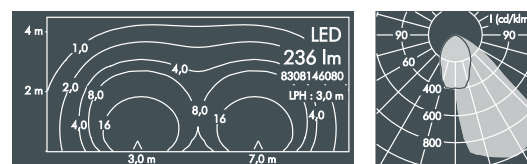
### Nanocube wall luminaire, axially symmetrical wide beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|----------------------------|
| <b>8 308 146 058</b> | black       | 0.5 kg | 1 x LED module 5 W  | 356 lm        | C 0 - 180                  |
| <b>8 308 166 058</b> | white       |        | warm white (3000 K) |               | C 90 - 270                 |
| <b>8 308 156 058</b> | silver grey |        |                     |               |                            |

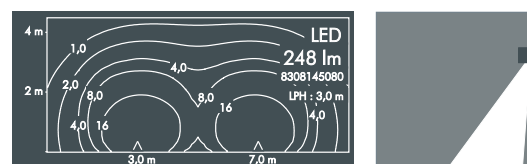


### Nanocube wall luminaire, asymmetrical wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Main beam angle $\gamma$ |
|----------------------|-------------|--------|---------------------|---------------|--------------------------|
| <b>8 308 146 088</b> | black       | 0.5 kg | 1 x LED module 5 W  | 236 lm        | 28°                      |
| <b>8 308 166 088</b> | white       |        | warm white (3000 K) |               |                          |
| <b>8 308 156 088</b> | silver grey |        |                     |               |                          |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle $\gamma$ |
|----------------------|-------------|--------|------------------------|---------------|--------------------------|
| <b>8 308 145 088</b> | black       | 0.5 kg | 1 x LED module 5 W     | 248 lm        | 28°                      |
| <b>8 308 165 088</b> | white       |        | neutral white (4000 K) |               |                          |
| <b>8 308 155 088</b> | silver grey |        |                        |               |                          |



\* The luminaires are available with neutral white LEDs (4000 K) upon request.

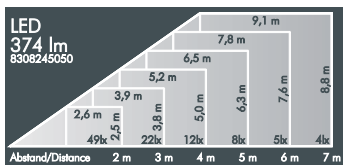
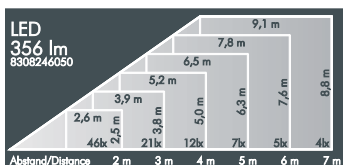
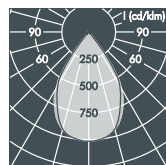
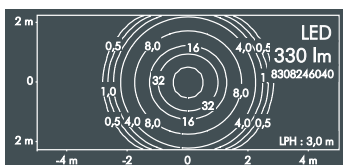
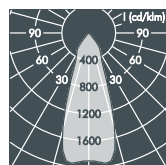
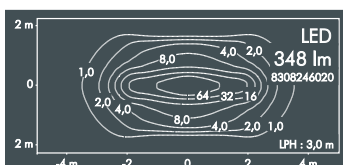
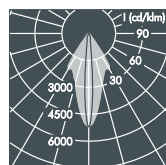
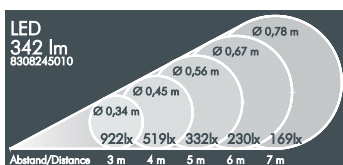
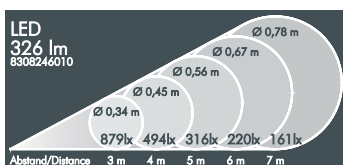
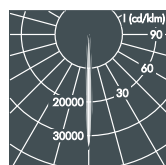
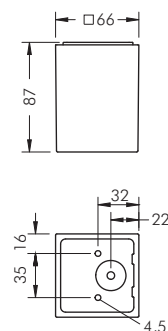
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



## Nanocube ceiling luminaire

With high performance LED module,  
integral temperature monitoring device,  
CRI: > 80, colour tolerance: max. 3 SDCM  
service life: L90/B10 > 50 000 h  
protection class I, IP65  , IK07  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with grub screw,  
mounting: 2 drilled holes Ø 4.5 mm, spacing 35 mm,  
cable entry for recessed cable Ø 7 - 10 mm,  
integral driver (AC/DC)



### Nanocube ceiling luminaire, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 308 246 018</b> | black       | 0.6 kg | 1 x LED module 5 W  | 326 lm        | 6°                  |
| <b>8 308 266 018</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 308 256 018</b> | silver grey |        |                     |               |                     |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 308 245 018</b> | black       | 0.6 kg | 1 x LED module 5 W     | 342 lm        | 6°                  |
| <b>8 308 265 018</b> | white       |        | neutral white (4000 K) |               |                     |
| <b>8 308 255 018</b> | silver grey |        |                        |               |                     |

### Nanocube ceiling luminaire, linear beam spread

| Part number *        | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 308 246 028</b> | black       | 0.6 kg | 1 x LED module 5 W  | 348 lm        | C 0 - 180           |
| <b>8 308 266 028</b> | white       |        | warm white (3000 K) |               | 34°                 |
| <b>8 308 256 028</b> | silver grey |        |                     |               | 7°                  |

### Nanocube ceiling luminaire, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 308 246 048</b> | black       | 0.6 kg | 1 x LED module 5 W  | 330 lm        | 37°                 |
| <b>8 308 266 048</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 308 256 048</b> | silver grey |        |                     |               |                     |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 308 245 048</b> | black       | 0.6 kg | 1 x LED module 5 W     | 347 lm        | 37°                 |
| <b>8 308 265 048</b> | white       |        | neutral white (4000 K) |               |                     |
| <b>8 308 255 048</b> | silver grey |        |                        |               |                     |

### Nanocube ceiling luminaire, axially symmetrical wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 308 246 058</b> | black       | 0.6 kg | 1 x LED module 5 W  | 356 lm        | C 0 - 180           |
| <b>8 308 266 058</b> | white       |        | warm white (3000 K) |               | 66°                 |
| <b>8 308 256 058</b> | silver grey |        |                     |               | 64°                 |

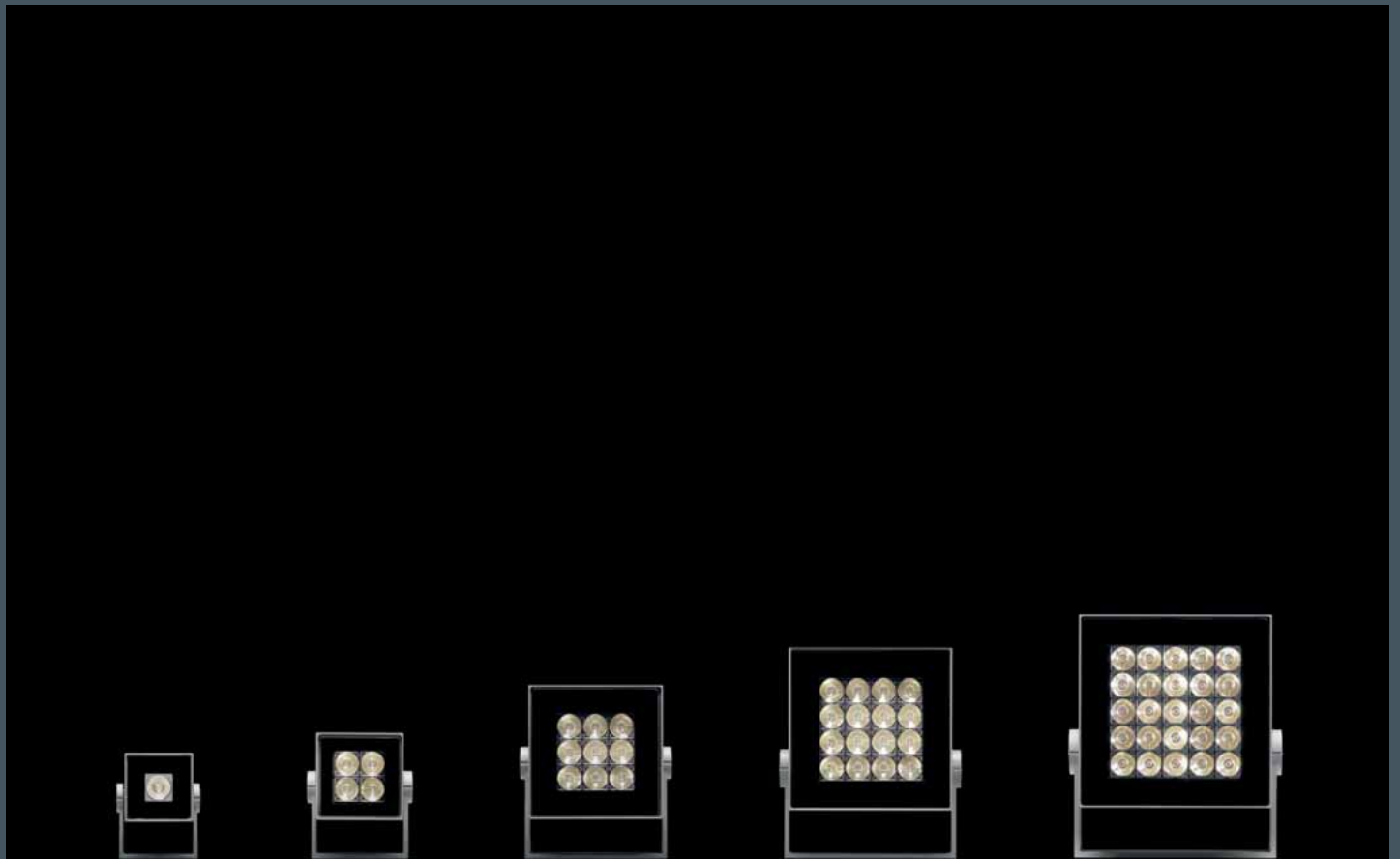
| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 308 245 058</b> | black       | 0.6 kg | 1 x LED module 5 W     | 374 lm        | C 0 - 180           |
| <b>8 308 265 058</b> | white       |        | neutral white (4000 K) |               | 66°                 |
| <b>8 308 255 058</b> | silver grey |        |                        |               | 64°                 |

\* The luminaires are available with neutral white LEDs (4000 K) upon request.

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





Superlight Nano are extremely compact floodlights which come in 5 sizes and wattages. The efficient optics create narrow beam, elliptical or wide beam light distributions. The minimalist design allows the floodlights to be integrated into various different architectural environments. With integral control gear they can be connected to mains voltage. Superlight Nano are the smallest and most discreet exterior floodlights on the market.

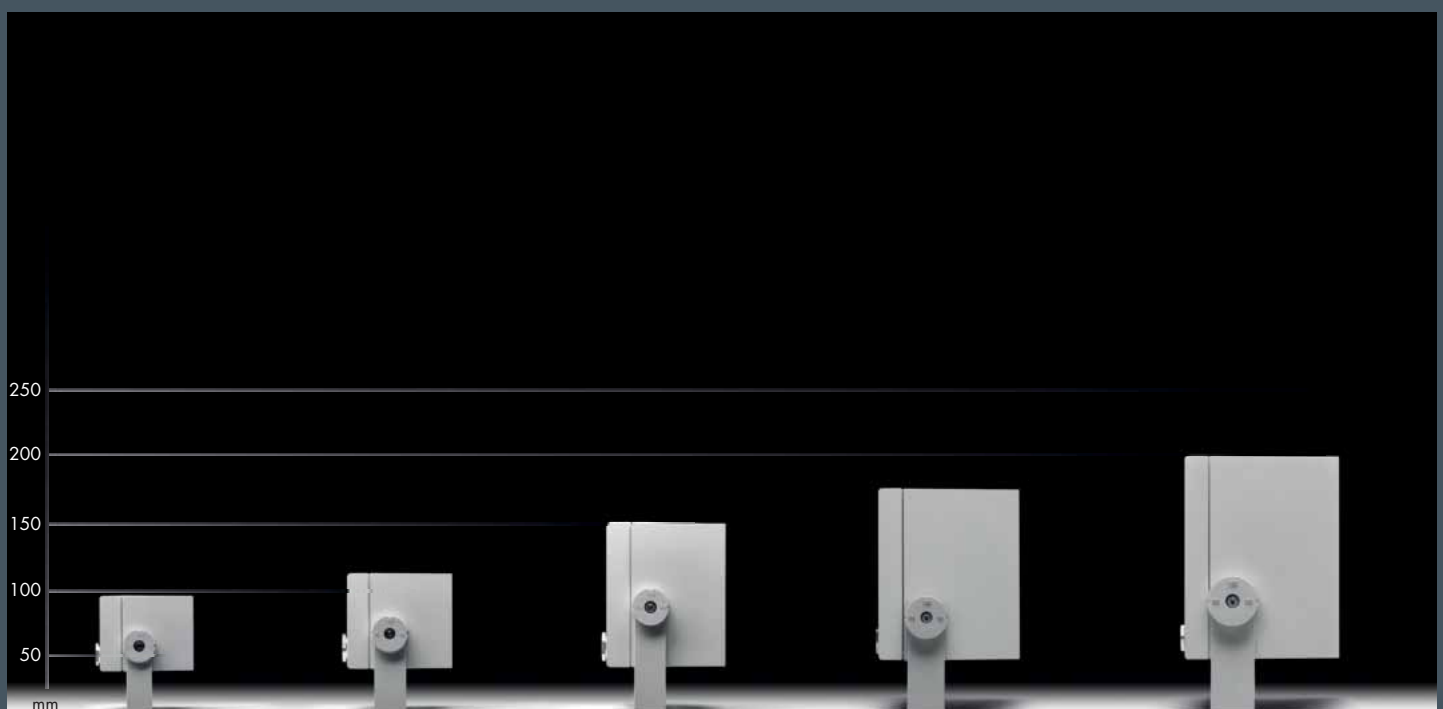


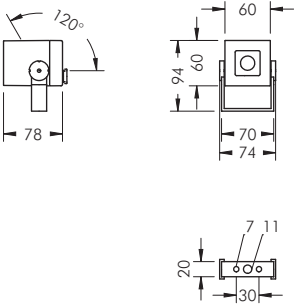
For Superlight Nano 2 there is an extra narrow beam optic available for accent lighting.



Regent Street, London/UK  
Lighting design: Tony Rimmer, Studio 29, London

Despite their high output the floodlights have compact dimensions and can be installed discretely in any environment.





**Superlight Nano 1**  
With high performance LED,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK07  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
powder coated die cast zinc mounting bracket with  
tilt scale:  
2 drilled holes Ø 7 mm, spacing 30 mm,  
1 centre hole Ø 11 mm, tilt range 120°,  
M16 cable gland, integral driver (AC/DC)

**Superlight Nano 1, narrow beam**

| Part number*         | Colour      | Weight | Light source                       | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------------------|---------------|---------------------|
| <b>8 817 046 018</b> | black       | 0.5 kg | 1 x LED 3 W<br>warm white (3000 K) | 161 lm        | 7°                  |
| <b>8 817 066 018</b> | white       |        |                                    |               |                     |
| <b>8 817 056 018</b> | silver grey |        |                                    |               |                     |

| Part number*         | Colour      | Weight | Light source                          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------------------------|---------------|---------------------|
| <b>8 817 045 018</b> | black       | 0.5 kg | 1 x LED 3 W<br>neutral white (4000 K) | 172 lm        | 7°                  |
| <b>8 817 065 018</b> | white       |        |                                       |               |                     |
| <b>8 817 055 018</b> | silver grey |        |                                       |               |                     |

**Superlight Nano 1, linear beam spread, vertical**

| Part number*         | Colour      | Weight | Light source                       | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------|---------------|---------------------|------------|
| <b>8 817 046 028</b> | black       | 0.5 kg | 1 x LED 3 W<br>warm white (3000 K) | 150 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 817 066 028</b> | white       |        |                                    |               | 51°                 | 8°         |
| <b>8 817 056 028</b> | silver grey |        |                                    |               |                     |            |

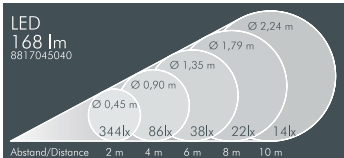
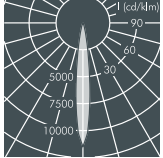
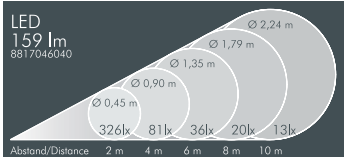
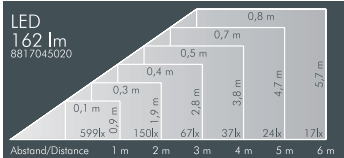
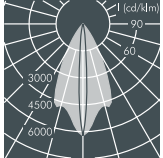
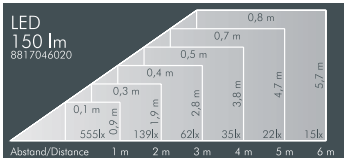
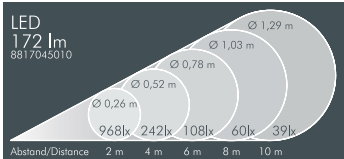
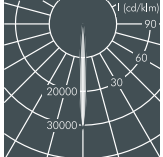
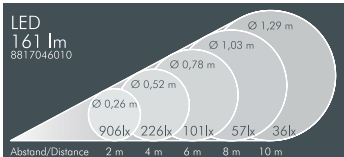
|                      |             |        |                                       |        |           |            |
|----------------------|-------------|--------|---------------------------------------|--------|-----------|------------|
| <b>8 817 045 028</b> | black       | 0.5 kg | 1 x LED 3 W<br>neutral white (4000 K) | 162 lm | C 0 – 180 | C 90 – 270 |
| <b>8 817 065 028</b> | white       |        |                                       |        | 51°       | 8°         |
| <b>8 817 055 028</b> | silver grey |        |                                       |        |           |            |

| Part number*        | Description                                          |
|---------------------|------------------------------------------------------|
| <b>. . . . . 3.</b> | <b>Luminaire with linear beam spread, horizontal</b> |

**Superlight Nano 1, medium wide beam**

| Part number*         | Colour      | Weight | Light source                       | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------------------|---------------|---------------------|
| <b>8 817 046 048</b> | black       | 0.5 kg | 1 x LED 3 W<br>warm white (3000 K) | 159 lm        | 13°                 |
| <b>8 817 066 048</b> | white       |        |                                    |               |                     |
| <b>8 817 056 048</b> | silver grey |        |                                    |               |                     |

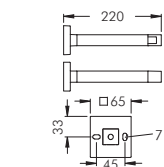
| Part number*         | Colour      | Weight | Light source                          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------------------------|---------------|---------------------|
| <b>8 817 045 048</b> | black       | 0.5 kg | 1 x LED 3 W<br>neutral white (4000 K) | 168 lm        | 13°                 |
| <b>8 817 065 048</b> | white       |        |                                       |               |                     |
| <b>8 817 055 048</b> | silver grey |        |                                       |               |                     |



\*Dimmable luminaires (DALI or 1–10 V) with external control gear unit and with further distribution options are available upon request.

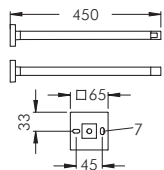
**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



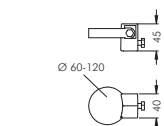


### Accessories Superlight Nano 1

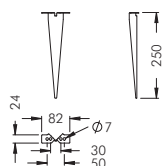
| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>128 0 738 940</b> | black       | <b>Wall arm 220 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 738 960</b> | white       |                                                               |
| <b>128 0 738 950</b> | silver grey |                                                               |



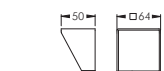
| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>128 0 739 940</b> | black       | <b>Wall arm 450 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 739 960</b> | white       |                                                               |
| <b>128 0 739 950</b> | silver grey |                                                               |



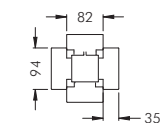
| Part number          | Colour      | Description                                                                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp,</b> aluminium,<br>polyester powder coated, stainless steel strap,<br>for mounting on poles <b>Ø 60 - 120 mm</b> |
| <b>128 0 760 960</b> | white       |                                                                                                                                |
| <b>128 0 760 950</b> | silver grey |                                                                                                                                |



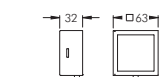
| Part number          | Colour      | Description                                                         |
|----------------------|-------------|---------------------------------------------------------------------|
| <b>129 0 502 940</b> | black       | <b>Earth spike,</b> stainless steel,<br>for use in landscaped areas |
| <b>129 0 502 960</b> | white       |                                                                     |
| <b>129 0 502 950</b> | silver grey |                                                                     |



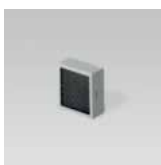
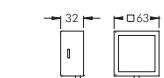
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 653 940</b> | black       | <b>Cowl,</b> stainless steel,<br>to avoid glare from 3 directions,<br>for retro-fitting |
| <b>128 0 653 960</b> | white       |                                                                                         |
| <b>128 0 653 950</b> | silver grey |                                                                                         |



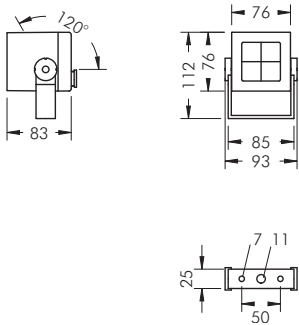
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 761 940</b> | black       | <b>Barn doors,</b> aluminium,<br>to avoid glare from 4 directions,<br>for retro-fitting |
| <b>128 0 761 960</b> | white       |                                                                                         |
| <b>128 0 761 950</b> | silver grey |                                                                                         |



| Part number          | Colour      | Description                                                                                |
|----------------------|-------------|--------------------------------------------------------------------------------------------|
| <b>128 0 751 941</b> | black       | <b>Carrier frame,</b><br>with safety glass,<br>for colour filters, lenses and plastic film |
| <b>128 0 751 961</b> | white       |                                                                                            |
| <b>128 0 751 951</b> | silver grey |                                                                                            |



| Part number          | Colour      | Description                                                                         |
|----------------------|-------------|-------------------------------------------------------------------------------------|
| <b>128 0 751 940</b> | black       | <b>Carrier frame with honeycomb louvre,</b><br>with safety glass,<br>to avoid glare |
| <b>128 0 751 960</b> | white       |                                                                                     |
| <b>128 0 751 950</b> | silver grey |                                                                                     |

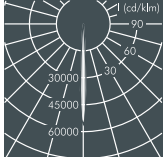
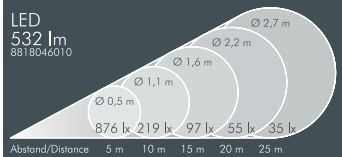


### Superlight Nano 2

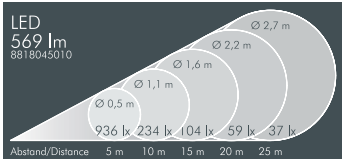
With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
powder coated die cast zinc mounting bracket with  
tilt scale:  
2 drilled holes Ø 7 mm, spacing 50 mm,  
1 centre hole Ø 11 mm, tilt range 120°,  
M20 cable gland, integral driver (AC/DC)

#### Superlight Nano 2, narrow beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 818 046 018</b> | black       | 0.9 kg | 4 x LED 1.7 W       | 532 lm        | 6°                  |
| <b>8 818 066 018</b> | white       |        | (7 W)               |               |                     |
| <b>8 818 056 018</b> | silver grey |        | warm white (3000 K) |               |                     |

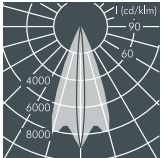
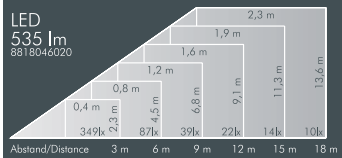


| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 818 045 018</b> | black       | 0.9 kg | 4 x LED 1.7 W          | 569 lm        | 6°                  |
| <b>8 818 065 018</b> | white       |        | (7 W)                  |               |                     |
| <b>8 818 055 018</b> | silver grey |        | neutral white (4000 K) |               |                     |

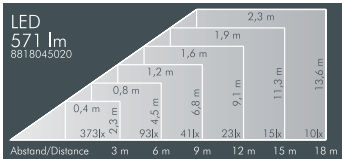


#### Superlight Nano 2, linear beam spread, vertical

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 818 046 028</b> | black       | 0.9 kg | 4 x LED 1.7 W       | 535 lm        | C 0 – 180           |
| <b>8 818 066 028</b> | white       |        | (7 W)               |               | 41°                 |
| <b>8 818 056 028</b> | silver grey |        | warm white (3000 K) |               | 7°                  |



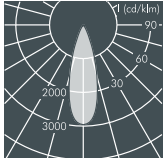
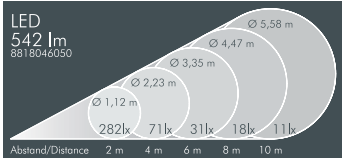
|                      |             |        |                        |        |           |
|----------------------|-------------|--------|------------------------|--------|-----------|
| <b>8 818 045 028</b> | black       | 0.9 kg | 4 x LED 1.7 W          | 571 lm | C 0 – 180 |
| <b>8 818 065 028</b> | white       |        | (7 W)                  |        | 41°       |
| <b>8 818 055 028</b> | silver grey |        | neutral white (4000 K) |        | 7°        |



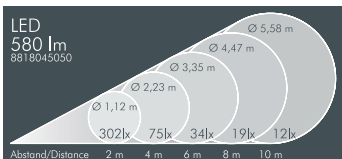
| Part number*      | Description                                          |
|-------------------|------------------------------------------------------|
| <b>... . . 3.</b> | <b>Luminaire with linear beam spread, horizontal</b> |

#### Superlight Nano 2, wide beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 818 046 058</b> | black       | 0.9 kg | 4 x LED 1.7 W       | 542 lm        | 31°                 |
| <b>8 818 066 058</b> | white       |        | (7 W)               |               |                     |
| <b>8 818 056 058</b> | silver grey |        | warm white (3000 K) |               |                     |



| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 818 045 058</b> | black       | 0.9 kg | 4 x LED 1.7 W          | 580 lm        | 31°                 |
| <b>8 818 065 058</b> | white       |        | (7 W)                  |               |                     |
| <b>8 818 055 058</b> | silver grey |        | neutral white (4000 K) |               |                     |



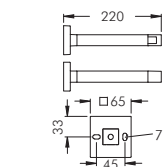
| Part number*       | Description                    | Light source      |
|--------------------|--------------------------------|-------------------|
| <b>... . . 1..</b> | <b>Dimmable version (DALI)</b> | 4 x LED 1 W (4 W) |

\*Dimmable luminaires (1–10 V) with external control gear unit and with further distribution options are available upon request.

**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request

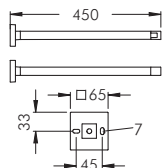




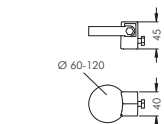


### Accessories Superlight Nano 2

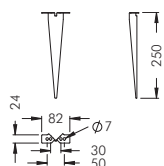
| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>128 0 738 940</b> | black       | <b>Wall arm 220 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 738 960</b> | white       |                                                               |
| <b>128 0 738 950</b> | silver grey |                                                               |



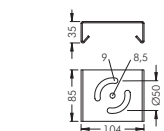
| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>128 0 739 940</b> | black       | <b>Wall arm 450 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 739 960</b> | white       |                                                               |
| <b>128 0 739 950</b> | silver grey |                                                               |



| Part number          | Colour      | Description                                                                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp,</b> aluminium,<br>polyester powder coated, stainless steel strap,<br>for mounting on poles <b>Ø 60 - 120 mm</b> |
| <b>128 0 760 960</b> | white       |                                                                                                                                |
| <b>128 0 760 950</b> | silver grey |                                                                                                                                |

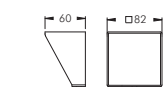


| Part number          | Colour      | Description                                                         |
|----------------------|-------------|---------------------------------------------------------------------|
| <b>129 0 502 940</b> | black       | <b>Earth spike,</b> stainless steel,<br>for use in landscaped areas |
| <b>129 0 502 960</b> | white       |                                                                     |
| <b>129 0 502 950</b> | silver grey |                                                                     |

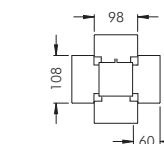


| Part number          | Description                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 621 940</b> | <b>Expandable tree strap with mounting plate,</b><br>made of polyester fiber for trunk circumference 350 - 450 mm*,<br>with polyester powder coated mounting plate |
|                      |                                                                                                                                                                    |

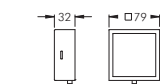
\*different lengths available upon request



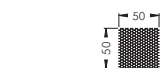
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 664 940</b> | black       | <b>Cowl,</b> stainless steel,<br>to avoid glare from 3 directions,<br>for retro-fitting |
| <b>128 0 664 960</b> | white       |                                                                                         |
| <b>128 0 664 950</b> | silver grey |                                                                                         |



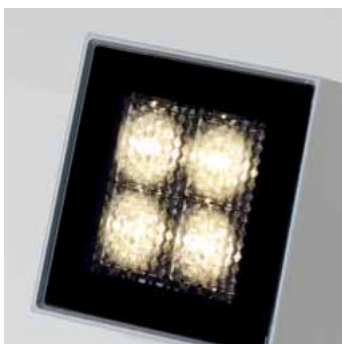
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 762 940</b> | black       | <b>Barn doors,</b> aluminium,<br>to avoid glare from 4 directions,<br>for retro-fitting |
| <b>128 0 762 960</b> | white       |                                                                                         |
| <b>128 0 762 950</b> | silver grey |                                                                                         |

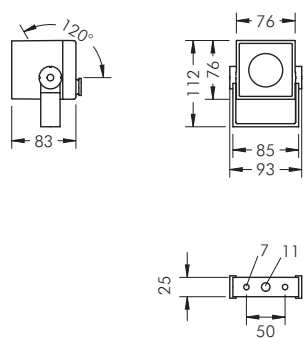


| Part number          | Colour      | Description                                                                                |
|----------------------|-------------|--------------------------------------------------------------------------------------------|
| <b>128 0 752 941</b> | black       | <b>Carrier frame,</b><br>with safety glass,<br>for colour filters, lenses and plastic film |
| <b>128 0 752 961</b> | white       |                                                                                            |
| <b>128 0 752 951</b> | silver grey |                                                                                            |



| Part number          | Description                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------|
| <b>238 1 205 000</b> | <b>Honeycomb louvre,</b><br>internal (factory fitted, not for retro-fitting),<br>to avoid glare |
|                      |                                                                                                 |





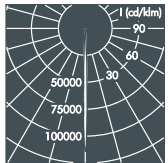
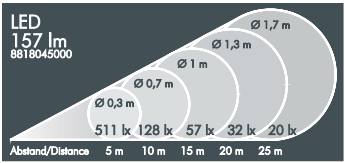
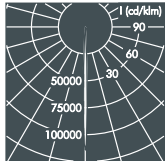
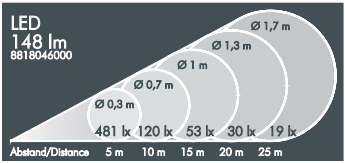
Superlight Nano 2

With high performance LED,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
powder coated die cast zinc mounting bracket with  
tilt scale:  
2 drilled holes Ø 7 mm, spacing 50 mm,  
1 centre hole Ø 11 mm, tilt range 120°,  
M20 cable gland, integral driver (AC/DC)

Superlight Nano 2, extra narrow beam

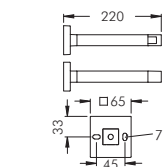
| Part number   | Colour      | Weight | Light source                       | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|------------------------------------|---------------|---------------------|
| 8 818 046 008 | black       | 0.9 kg | 1 x LED 3 W<br>warm white (3000 K) | 148 lm        | 3°                  |
| 8 818 066 008 | white       |        |                                    |               |                     |
| 8 818 056 008 | silver grey |        |                                    |               |                     |

| Part number   | Colour      | Weight | Light source                          | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|---------------------------------------|---------------|---------------------|
| 8 818 045 008 | black       | 0.9 kg | 1 x LED 3 W<br>neutral white (4000 K) | 157 lm        | 3°                  |
| 8 818 065 008 | white       |        |                                       |               |                     |
| 8 818 055 008 | silver grey |        |                                       |               |                     |



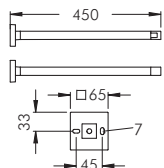
LED (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



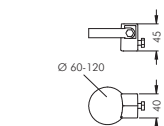


### Accessories Superlight Nano 2

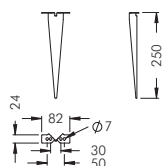
| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>128 0 738 940</b> | black       | <b>Wall arm 220 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 738 960</b> | white       |                                                               |
| <b>128 0 738 950</b> | silver grey |                                                               |



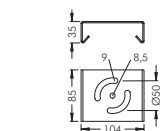
| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>128 0 739 940</b> | black       | <b>Wall arm 450 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 739 960</b> | white       |                                                               |
| <b>128 0 739 950</b> | silver grey |                                                               |



| Part number          | Colour      | Description                                                                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp,</b> aluminium,<br>polyester powder coated, stainless steel strap,<br>for mounting on poles <b>Ø 60 – 120 mm</b> |
| <b>128 0 760 960</b> | white       |                                                                                                                                |
| <b>128 0 760 950</b> | silver grey |                                                                                                                                |

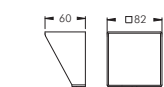


| Part number          | Colour      | Description                                                         |
|----------------------|-------------|---------------------------------------------------------------------|
| <b>129 0 502 940</b> | black       | <b>Earth spike,</b> stainless steel,<br>for use in landscaped areas |
| <b>129 0 502 960</b> | white       |                                                                     |
| <b>129 0 502 950</b> | silver grey |                                                                     |

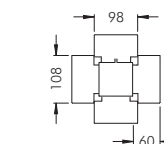


| Part number          | Description                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 621 940</b> | <b>Expandable tree strap with mounting plate,</b><br>made of polyester fiber for trunk circumference 350 – 450 mm*,<br>with polyester powder coated mounting plate |
|                      |                                                                                                                                                                    |

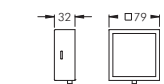
\*different lengths available upon request



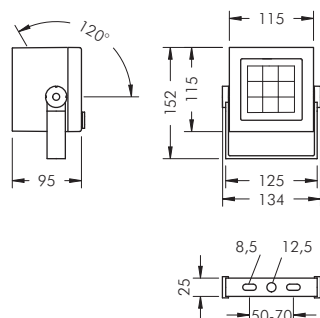
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 664 940</b> | black       | <b>Cowl,</b> stainless steel,<br>to avoid glare from 3 directions,<br>for retro-fitting |
| <b>128 0 664 960</b> | white       |                                                                                         |
| <b>128 0 664 950</b> | silver grey |                                                                                         |



| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 762 940</b> | black       | <b>Barn doors,</b> aluminium,<br>to avoid glare from 4 directions,<br>for retro-fitting |
| <b>128 0 762 960</b> | white       |                                                                                         |
| <b>128 0 762 950</b> | silver grey |                                                                                         |



| Part number          | Colour      | Description                                                                                |
|----------------------|-------------|--------------------------------------------------------------------------------------------|
| <b>128 0 752 941</b> | black       | <b>Carrier frame,</b><br>with safety glass,<br>for colour filters, lenses and plastic film |
| <b>128 0 752 961</b> | white       |                                                                                            |
| <b>128 0 752 951</b> | silver grey |                                                                                            |

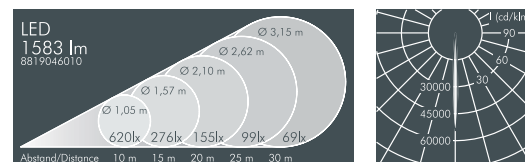


### Superlight Nano 3

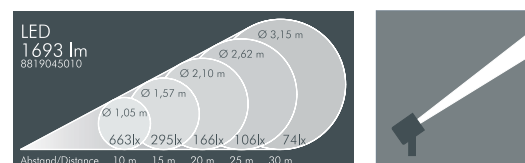
With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
powder coated die cast zinc mounting bracket with  
tilt scale:  
2 drilled holes Ø 8.5 mm, spacing 50 - 70 mm,  
1 centre hole Ø 12.5 mm, tilt range 120°,  
M20 cable gland, integral driver (AC)

#### Superlight Nano 3, narrow beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 819 046 018</b> | black       | 1.5 kg | 9 x LED 2.4 W       | 1583 lm       | 6°                  |
| <b>8 819 066 018</b> | white       |        | (22 W)              |               |                     |
| <b>8 819 056 018</b> | silver grey |        | warm white (3000 K) |               |                     |

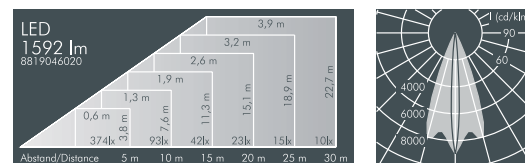


| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 819 045 018</b> | black       | 1.5 kg | 9 x LED 2.4 W          | 1693 lm       | 6°                  |
| <b>8 819 065 018</b> | white       |        | (22 W)                 |               |                     |
| <b>8 819 055 018</b> | silver grey |        | neutral white (4000 K) |               |                     |

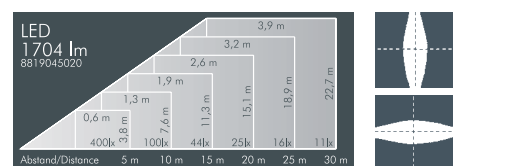


#### Superlight Nano 3, linear beam spread, vertical

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 819 046 028</b> | black       | 1.5 kg | 9 x LED 2.4 W       | 1592 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 819 066 028</b> | white       |        | (22 W)              |               | 41°                 | 7°         |
| <b>8 819 056 028</b> | silver grey |        | warm white (3000 K) |               |                     |            |



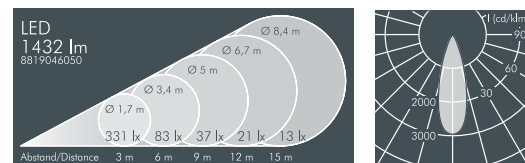
|                      |             |        |                        |         |           |            |
|----------------------|-------------|--------|------------------------|---------|-----------|------------|
| <b>8 819 045 028</b> | black       | 1.5 kg | 9 x LED 2.4 W          | 1704 lm | C 0 – 180 | C 90 – 270 |
| <b>8 819 065 028</b> | white       |        | (22 W)                 |         | 41°       | 7°         |
| <b>8 819 055 028</b> | silver grey |        | neutral white (4000 K) |         |           |            |



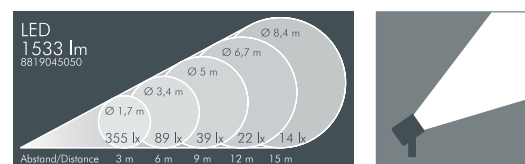
| Part number*      | Description                                          |
|-------------------|------------------------------------------------------|
| <b>... . . 3.</b> | <b>Luminaire with linear beam spread, horizontal</b> |

#### Superlight Nano 3, wide beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 819 046 058</b> | black       | 1.5 kg | 9 x LED 2.4 W       | 1432 lm       | 31°                 |
| <b>8 819 066 058</b> | white       |        | (22 W)              |               |                     |
| <b>8 819 056 058</b> | silver grey |        | warm white (3000 K) |               |                     |



| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 819 045 058</b> | black       | 1.5 kg | 9 x LED 2.4 W          | 1533 lm       | 31°                 |
| <b>8 819 065 058</b> | white       |        | (22 W)                 |               |                     |
| <b>8 819 055 058</b> | silver grey |        | neutral white (4000 K) |               |                     |

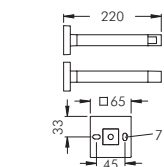


| Part number*       | Description                                             |
|--------------------|---------------------------------------------------------|
| <b>... . . 1..</b> | <b>Dimmable version (DALI)</b>                          |
| <b>... . . 2..</b> | <b>Dimmable version (1-10 V)</b>                        |
| <b>... . . 4..</b> | <b>Luminaire with 2 cable glands</b> for through wiring |

\*Luminaires available with other light distributions upon request

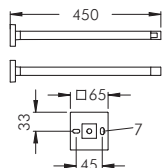
**LED** (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

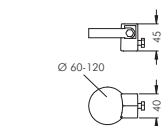


### Accessories Superlight Nano 3

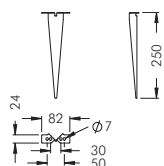
| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>128 0 738 940</b> | black       | <b>Wall arm 220 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 738 960</b> | white       |                                                               |
| <b>128 0 738 950</b> | silver grey |                                                               |



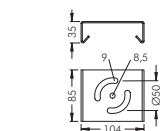
| Part number          | Colour      | Description                                                   |
|----------------------|-------------|---------------------------------------------------------------|
| <b>128 0 739 940</b> | black       | <b>Wall arm 450 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 739 960</b> | white       |                                                               |
| <b>128 0 739 950</b> | silver grey |                                                               |



| Part number          | Colour      | Description                                                                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp,</b> aluminium,<br>polyester powder coated, stainless steel strap,<br>for mounting on poles <b>Ø 60 - 120 mm</b> |
| <b>128 0 760 960</b> | white       |                                                                                                                                |
| <b>128 0 760 950</b> | silver grey |                                                                                                                                |

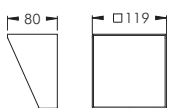


| Part number          | Colour      | Description                                                         |
|----------------------|-------------|---------------------------------------------------------------------|
| <b>129 0 502 940</b> | black       | <b>Earth spike,</b> stainless steel,<br>for use in landscaped areas |
| <b>129 0 502 960</b> | white       |                                                                     |
| <b>129 0 502 950</b> | silver grey |                                                                     |

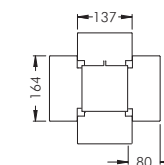


| Part number          | Description                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 621 940</b> | <b>Expandable tree strap with mounting plate,</b><br>made of polyester fiber for trunk circumference 350 – 450 mm*,<br>with polyester powder coated mounting plate |

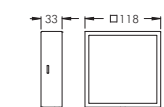
\*different lengths available upon request



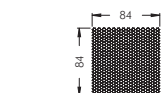
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 679 940</b> | black       | <b>Cowl,</b> stainless steel,<br>to avoid glare from 3 directions,<br>for retro-fitting |
| <b>128 0 679 960</b> | white       |                                                                                         |
| <b>128 0 679 950</b> | silver grey |                                                                                         |



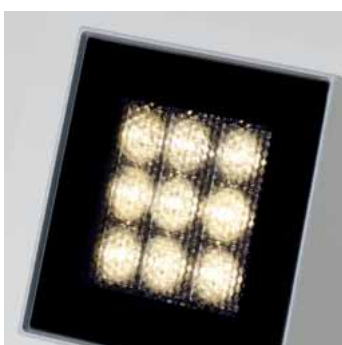
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 763 940</b> | black       | <b>Barn doors,</b> aluminium,<br>to avoid glare from 4 directions,<br>for retro-fitting |
| <b>128 0 763 960</b> | white       |                                                                                         |
| <b>128 0 763 950</b> | silver grey |                                                                                         |



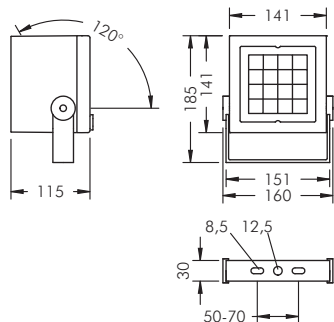
| Part number          | Colour      | Description                                                                                |
|----------------------|-------------|--------------------------------------------------------------------------------------------|
| <b>128 0 753 941</b> | black       | <b>Carrier frame,</b><br>with safety glass,<br>for colour filters, lenses and plastic film |
| <b>128 0 753 961</b> | white       |                                                                                            |
| <b>128 0 753 951</b> | silver grey |                                                                                            |



| Part number          | Description                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------|
| <b>238 1 206 000</b> | <b>Honeycomb louvre,</b><br>internal (factory fitted, not for retro-fitting),<br>to avoid glare |



The internally fitted honeycomb louvre offers effective glare control and is protected from build up of dirt.

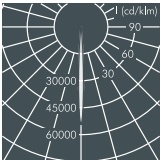
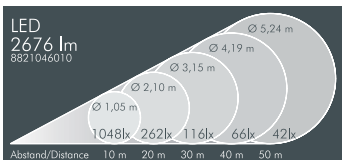


# Superlight Nano 4

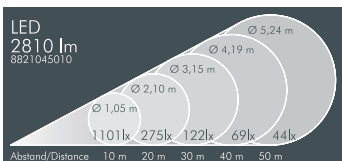
With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.02 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
powder coated die cast zinc mounting bracket with  
tilt scale:  
2 drilled holes Ø 8.5 mm, spacing 50 - 70 mm,  
1 centre hole Ø 12.5 mm, tilt range 120°,  
M20 cable gland, integral driver (AC/DC)

## Superlight Nano 4, narrow beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 821 046 018</b> | black       | 2.3 kg | 16 x LED 2.4 W      | 2676 lm       | 6°                  |
| <b>8 821 066 018</b> | white       |        | (39 W)              |               |                     |
| <b>8 821 056 018</b> | silver grey |        | warm white (3000 K) |               |                     |

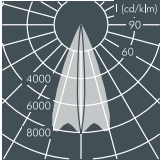
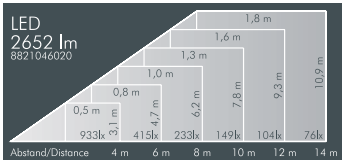


| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 821 045 018</b> | black       | 2.3 kg | 16 x LED 2.4 W         | 2810 lm       | 6°                  |
| <b>8 821 065 018</b> | white       |        | (39 W)                 |               |                     |
| <b>8 821 055 018</b> | silver grey |        | neutral white (4000 K) |               |                     |

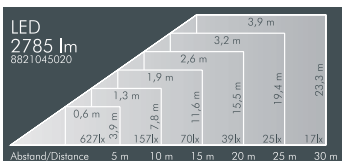


## Superlight Nano 4, linear beam spread, vertical

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 821 046 028</b> | black       | 2.3 kg | 16 x LED 2.4 W      | 2652 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 821 066 028</b> | white       |        | (39 W)              |               | 41°                 | 7°         |
| <b>8 821 056 028</b> | silver grey |        | warm white (3000 K) |               |                     |            |



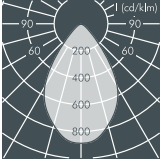
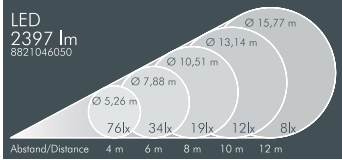
|                      |             |        |                        |         |           |            |
|----------------------|-------------|--------|------------------------|---------|-----------|------------|
| <b>8 821 045 028</b> | black       | 2.3 kg | 16 x LED 2.4 W         | 2785 lm | C 0 – 180 | C 90 – 270 |
| <b>8 821 065 028</b> | white       |        | (39 W)                 |         | 41°       | 7°         |
| <b>8 821 055 028</b> | silver grey |        | neutral white (4000 K) |         |           |            |



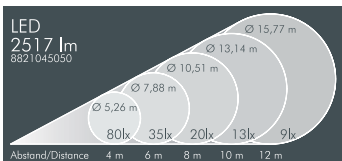
| Part number*        | Description                                          |
|---------------------|------------------------------------------------------|
| <b>. . . . . 3.</b> | <b>Luminaire with linear beam spread, horizontal</b> |

## Superlight Nano 4, wide beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 821 046 058</b> | black       | 2.3 kg | 16 x LED 2.4 W      | 2397 lm       | 66°                 |
| <b>8 821 066 058</b> | white       |        | (39 W)              |               |                     |
| <b>8 821 056 058</b> | silver grey |        | warm white (3000 K) |               |                     |



|                      |             |        |                        |         |     |
|----------------------|-------------|--------|------------------------|---------|-----|
| <b>8 821 045 058</b> | black       | 2.3 kg | 16 x LED 2.4 W         | 2517 lm | 66° |
| <b>8 821 065 058</b> | white       |        | (39 W)                 |         |     |
| <b>8 821 055 058</b> | silver grey |        | neutral white (4000 K) |         |     |



| Part number*        | Description                                   | Beam angle γ (FWHM) |
|---------------------|-----------------------------------------------|---------------------|
| <b>. . . . . 4.</b> | <b>Luminaire with medium wide beam optics</b> | 29°                 |

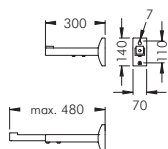
| Part number*         | Description                                             |
|----------------------|---------------------------------------------------------|
| <b>. . . . . 1..</b> | <b>Dimmable version (DALI)</b>                          |
| <b>. . . . . 2..</b> | <b>Dimmable version (1-10 V)</b>                        |
| <b>. . . . . 4..</b> | <b>Luminaire with 2 cable glands</b> for through wiring |

\*Luminaires available with other light distributions upon request

LED (see page 247)

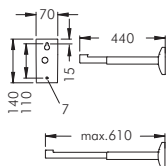
Luminaires available in 2700 K and other colour temperatures upon request



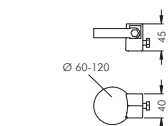


#### Accessories Superlight Nano 4

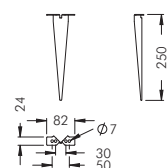
| Part number          | Colour      | Description                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------|
| <b>128 0 700 940</b> | black       | <b>Telescopic wall arm 300 - 480 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 700 960</b> | white       |                                                                                |
| <b>128 0 700 950</b> | silver grey |                                                                                |



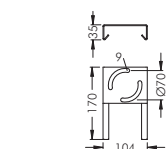
| Part number          | Colour      | Description                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------|
| <b>128 0 730 940</b> | black       | <b>Telescopic wall arm 440 - 610 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 730 960</b> | white       |                                                                                |
| <b>128 0 730 950</b> | silver grey |                                                                                |



| Part number          | Colour      | Description                                                                                                                         |
|----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp,</b> aluminium,<br>polyester powder coated, stainless steel strap,<br>for mounting on poles $\varnothing$ 60 - 120 mm |
| <b>128 0 760 960</b> | white       |                                                                                                                                     |
| <b>128 0 760 950</b> | silver grey |                                                                                                                                     |

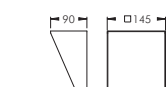


| Part number          | Colour      | Description                                                         |
|----------------------|-------------|---------------------------------------------------------------------|
| <b>129 0 502 940</b> | black       | <b>Earth spike,</b> stainless steel,<br>for use in landscaped areas |
| <b>129 0 502 960</b> | white       |                                                                     |
| <b>129 0 502 950</b> | silver grey |                                                                     |

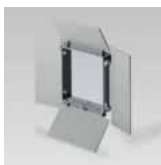
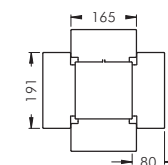


| Part number          | Description                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 623 940</b> | <b>Expandable tree strap with mounting plate,</b><br>made of polyester fiber for trunk circumference 350 - 450 mm*,<br>with polyester powder coated mounting plate |

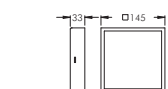
\*different lengths available upon request



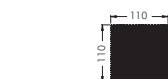
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 814 940</b> | black       | <b>Cowl,</b> stainless steel,<br>to avoid glare from 3 directions,<br>for retro-fitting |
| <b>128 0 814 960</b> | white       |                                                                                         |
| <b>128 0 814 950</b> | silver grey |                                                                                         |



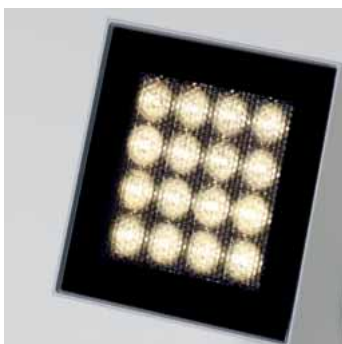
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 815 940</b> | black       | <b>Barn doors,</b> aluminium,<br>to avoid glare from 4 directions,<br>for retro-fitting |
| <b>128 0 815 960</b> | white       |                                                                                         |
| <b>128 0 815 950</b> | silver grey |                                                                                         |

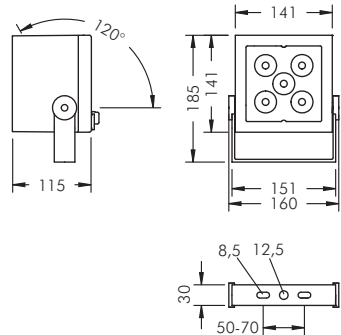


| Part number          | Colour      | Description                                                                                |
|----------------------|-------------|--------------------------------------------------------------------------------------------|
| <b>128 0 816 941</b> | black       | <b>Carrier frame,</b><br>with safety glass,<br>for colour filters, lenses and plastic film |
| <b>128 0 816 961</b> | white       |                                                                                            |
| <b>128 0 816 951</b> | silver grey |                                                                                            |



| Part number          | Description                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------|
| <b>238 1 207 000</b> | <b>Honeycomb louvre,</b><br>internal (factory fitted, not for retro-fitting),<br>to avoid glare |





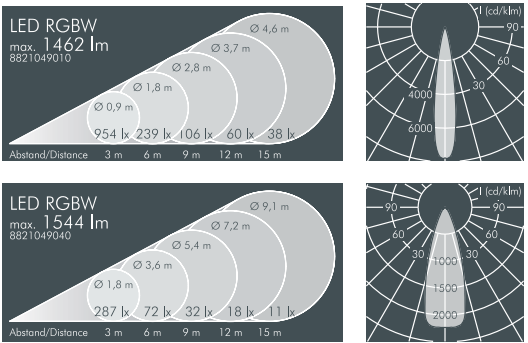
**Superlight Nano 4 RGBW**  
With high performance LEDs RGBW, external DMX-controller required, integral temperature monitoring device protection class I, IP67 , IK08 windage area A<sub>W</sub> 0.02 m<sup>2</sup> corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, powder coated die cast zinc mounting bracket with tilt scale:  
2 drilled holes Ø 8.5 mm, spacing 50 - 70 mm,  
1 centre hole Ø 12.5 mm, tilt range 120°,  
2 x M20 cable gland,  
RDM compatible integral driver (AC/DC)

| Superlight Nano 4 RGBW, narrow beam |             |        |                                             |                 |                     |
|-------------------------------------|-------------|--------|---------------------------------------------|-----------------|---------------------|
| Part number*                        | Colour      | Weight | Light source                                | Luminous flux   | Beam angle γ (FWHM) |
| 8 821 049 018                       | black       | 2.3 kg | 5 x LED RGBW<br>(W = 3000 K)<br>(max. 47 W) | max.<br>1462 lm | 17°                 |
| 8 821 069 018                       | white       |        |                                             |                 |                     |
| 8 821 059 018                       | silver grey |        |                                             |                 |                     |

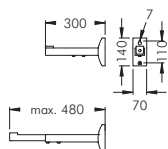
| Superlight Nano 4 RGBW, medium wide beam |             |        |                                             |                 |                     |
|------------------------------------------|-------------|--------|---------------------------------------------|-----------------|---------------------|
| Part number*                             | Colour      | Weight | Light source                                | Luminous flux   | Beam angle γ (FWHM) |
| 8 821 049 048                            | black       | 2.3 kg | 5 x LED RGBW<br>(W = 3000 K)<br>(max. 47 W) | max.<br>1544 lm | 34°                 |
| 8 821 069 048                            | white       |        |                                             |                 |                     |
| 8 821 059 048                            | silver grey |        |                                             |                 |                     |

| Part number*  | Description                                      |
|---------------|--------------------------------------------------|
| . . . . . 4.. | Luminaire with 4 cable glands for through wiring |

\*The luminaires are available with LEDs in different colour combinations and Tunable White (2700 K - 6500 K) upon request.

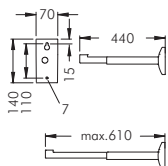




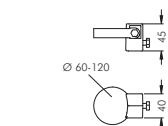


#### Accessories Superlight Nano 4

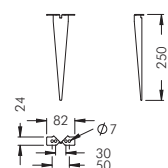
| Part number          | Colour      | Description                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------|
| <b>128 0 700 940</b> | black       | <b>Telescopic wall arm 300 - 480 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 700 960</b> | white       |                                                                                |
| <b>128 0 700 950</b> | silver grey |                                                                                |



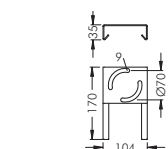
| Part number          | Colour      | Description                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------|
| <b>128 0 730 940</b> | black       | <b>Telescopic wall arm 440 - 610 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 730 960</b> | white       |                                                                                |
| <b>128 0 730 950</b> | silver grey |                                                                                |



| Part number          | Colour      | Description                                                                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp,</b> aluminium,<br>polyester powder coated, stainless steel strap,<br>for mounting on poles <b>Ø 60 - 120 mm</b> |
| <b>128 0 760 960</b> | white       |                                                                                                                                |
| <b>128 0 760 950</b> | silver grey |                                                                                                                                |

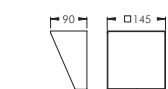


| Part number          | Colour      | Description                                                         |
|----------------------|-------------|---------------------------------------------------------------------|
| <b>129 0 502 940</b> | black       | <b>Earth spike,</b> stainless steel,<br>for use in landscaped areas |
| <b>129 0 502 960</b> | white       |                                                                     |
| <b>129 0 502 950</b> | silver grey |                                                                     |

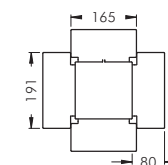


| Part number          | Description                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 623 940</b> | <b>Expandable tree strap with mounting plate,</b><br>made of polyester fiber for trunk circumference 350 - 450 mm*,<br>with polyester powder coated mounting plate |
|                      |                                                                                                                                                                    |

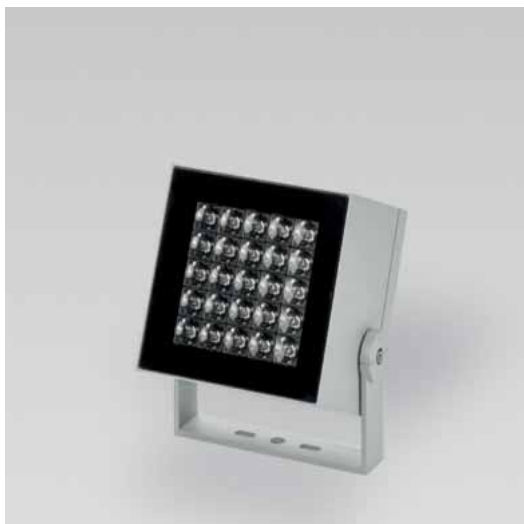
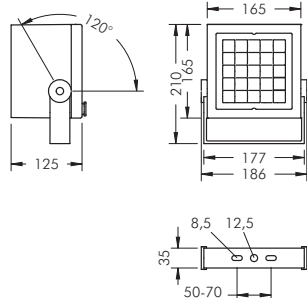
\*different lengths available upon request



| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 814 940</b> | black       | <b>Cowl,</b> stainless steel,<br>to avoid glare from 3 directions,<br>for retro-fitting |
| <b>128 0 814 960</b> | white       |                                                                                         |
| <b>128 0 814 950</b> | silver grey |                                                                                         |



| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 815 940</b> | black       | <b>Barn doors,</b> aluminium,<br>to avoid glare from 4 directions,<br>for retro-fitting |
| <b>128 0 815 960</b> | white       |                                                                                         |
| <b>128 0 815 950</b> | silver grey |                                                                                         |

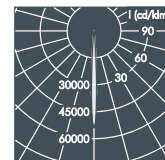
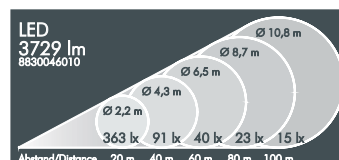


## Superlight Nano 5

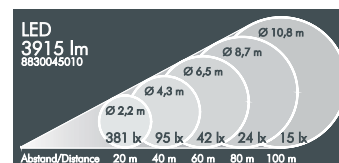
With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, colour tolerance: max. 2 SDCM  
service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.03 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
powder coated die cast aluminium  
mounting bracket with tilt scale:  
2 elongated holes Ø 8.5 mm, spacing 50 - 70 mm,  
1 centre hole Ø 12.5 mm, tilt range 120°,  
M20 cable gland,  
integral driver (AC/DC)

### Superlight Nano 5, narrow beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 830 046 018</b> | black       | 3.2 kg | 25 x LED 2.3 W      | 3729 lm       | 6°                  |
| <b>8 830 066 018</b> | white       |        | (57 W)              |               |                     |
| <b>8 830 056 018</b> | silver grey |        | warm white (3000 K) |               |                     |

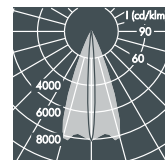
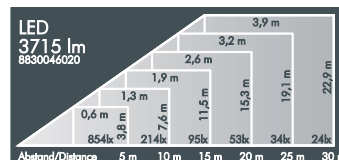


| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 830 045 018</b> | black       | 3.2 kg | 25 x LED 2.3 W         | 3915 lm       | 6°                  |
| <b>8 830 065 018</b> | white       |        | (57 W)                 |               |                     |
| <b>8 830 055 018</b> | silver grey |        | neutral white (4000 K) |               |                     |

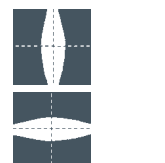
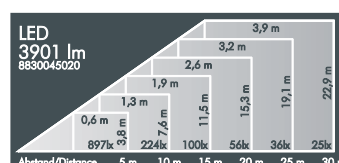


### Superlight Nano 5, linear beam spread, vertical

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 830 046 028</b> | black       | 3.2 kg | 25 x LED 2.3 W      | 3715 lm       | C 0 – 180           |
| <b>8 830 066 028</b> | white       |        | (57 W)              |               | 42°                 |
| <b>8 830 056 028</b> | silver grey |        | warm white (3000 K) |               | 7°                  |



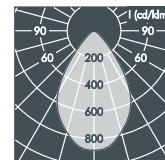
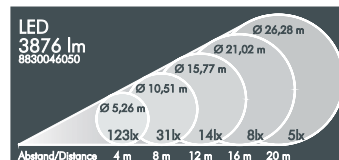
|                      |             |        |                        |         |           |
|----------------------|-------------|--------|------------------------|---------|-----------|
| <b>8 830 045 028</b> | black       | 3.2 kg | 25 x LED 2.3 W         | 3901 lm | C 0 – 180 |
| <b>8 830 065 028</b> | white       |        | (57 W)                 |         | 42°       |
| <b>8 830 055 028</b> | silver grey |        | neutral white (4000 K) |         | 7°        |



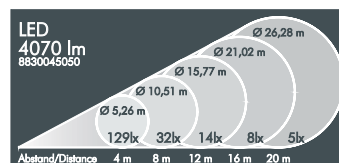
| Part number*   | Description                                          |
|----------------|------------------------------------------------------|
| <b>... .3.</b> | <b>Luminaire with linear beam spread, horizontal</b> |

### Superlight Nano 5, wide beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 830 046 058</b> | black       | 3.2 kg | 25 x LED 2.3 W      | 3876 lm       | 66°                 |
| <b>8 830 066 058</b> | white       |        | (57 W)              |               |                     |
| <b>8 830 056 058</b> | silver grey |        | warm white (3000 K) |               |                     |



|                      |             |        |                        |         |     |
|----------------------|-------------|--------|------------------------|---------|-----|
| <b>8 830 045 058</b> | black       | 3.2 kg | 25 x LED 2.3 W         | 4070 lm | 66° |
| <b>8 830 065 058</b> | white       |        | (57 W)                 |         |     |
| <b>8 830 055 058</b> | silver grey |        | neutral white (4000 K) |         |     |



| Part number*   | Description                                   | Beam angle γ (FWHM) |
|----------------|-----------------------------------------------|---------------------|
| <b>... .4.</b> | <b>Luminaire with medium wide beam optics</b> | 29°                 |

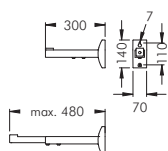
| Part number*    | Description                                             |
|-----------------|---------------------------------------------------------|
| <b>... .1..</b> | <b>Dimmable version (DALI)</b>                          |
| <b>... .2..</b> | <b>Dimmable version (1-10 V)</b>                        |
| <b>... .4..</b> | <b>Luminaire with 2 cable glands</b> for through wiring |

\*Luminaires available with other light distributions upon request

LED (see page 247)

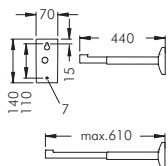
Luminaires available in 2700 K and other colour temperatures upon request



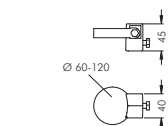


### Accessories Superlight Nano 5

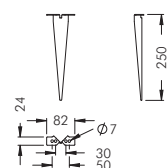
| Part number          | Colour      | Description                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------|
| <b>128 0 700 940</b> | black       | <b>Telescopic wall arm 300 - 480 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 700 960</b> | white       |                                                                                |
| <b>128 0 700 950</b> | silver grey |                                                                                |



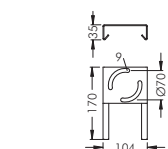
| Part number          | Colour      | Description                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------|
| <b>128 0 730 940</b> | black       | <b>Telescopic wall arm 440 - 610 mm,</b><br>aluminium, polyester powder coated |
| <b>128 0 730 960</b> | white       |                                                                                |
| <b>128 0 730 950</b> | silver grey |                                                                                |



| Part number          | Colour      | Description                                                                                                                    |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp,</b> aluminium,<br>polyester powder coated, stainless steel strap,<br>for mounting on poles <b>Ø 60 - 120 mm</b> |
| <b>128 0 760 960</b> | white       |                                                                                                                                |
| <b>128 0 760 950</b> | silver grey |                                                                                                                                |

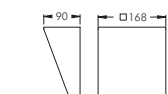


| Part number          | Colour      | Description                                                         |
|----------------------|-------------|---------------------------------------------------------------------|
| <b>129 0 502 940</b> | black       | <b>Earth spike,</b> stainless steel,<br>for use in landscaped areas |
| <b>129 0 502 960</b> | white       |                                                                     |
| <b>129 0 502 950</b> | silver grey |                                                                     |

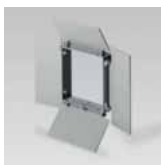
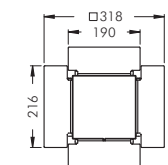


| Part number          | Description                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 623 940</b> | <b>Expandable tree strap with mounting plate,</b><br>made of polyester fiber for trunk circumference 350 - 450 mm*,<br>with polyester powder coated mounting plate |

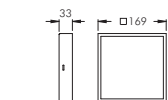
\*different lengths available upon request



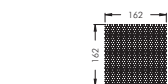
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 862 940</b> | black       | <b>Cowl,</b> stainless steel,<br>to avoid glare from 3 directions,<br>for retro-fitting |
| <b>128 0 862 960</b> | white       |                                                                                         |
| <b>128 0 862 950</b> | silver grey |                                                                                         |



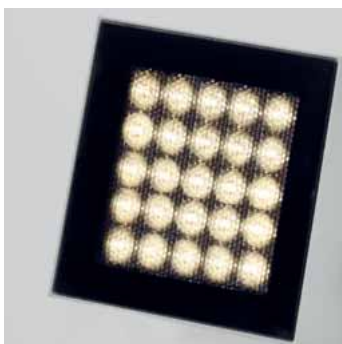
| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>128 0 861 940</b> | black       | <b>Barn doors,</b> aluminium,<br>to avoid glare from 4 directions,<br>for retro-fitting |
| <b>128 0 861 960</b> | white       |                                                                                         |
| <b>128 0 861 950</b> | silver grey |                                                                                         |



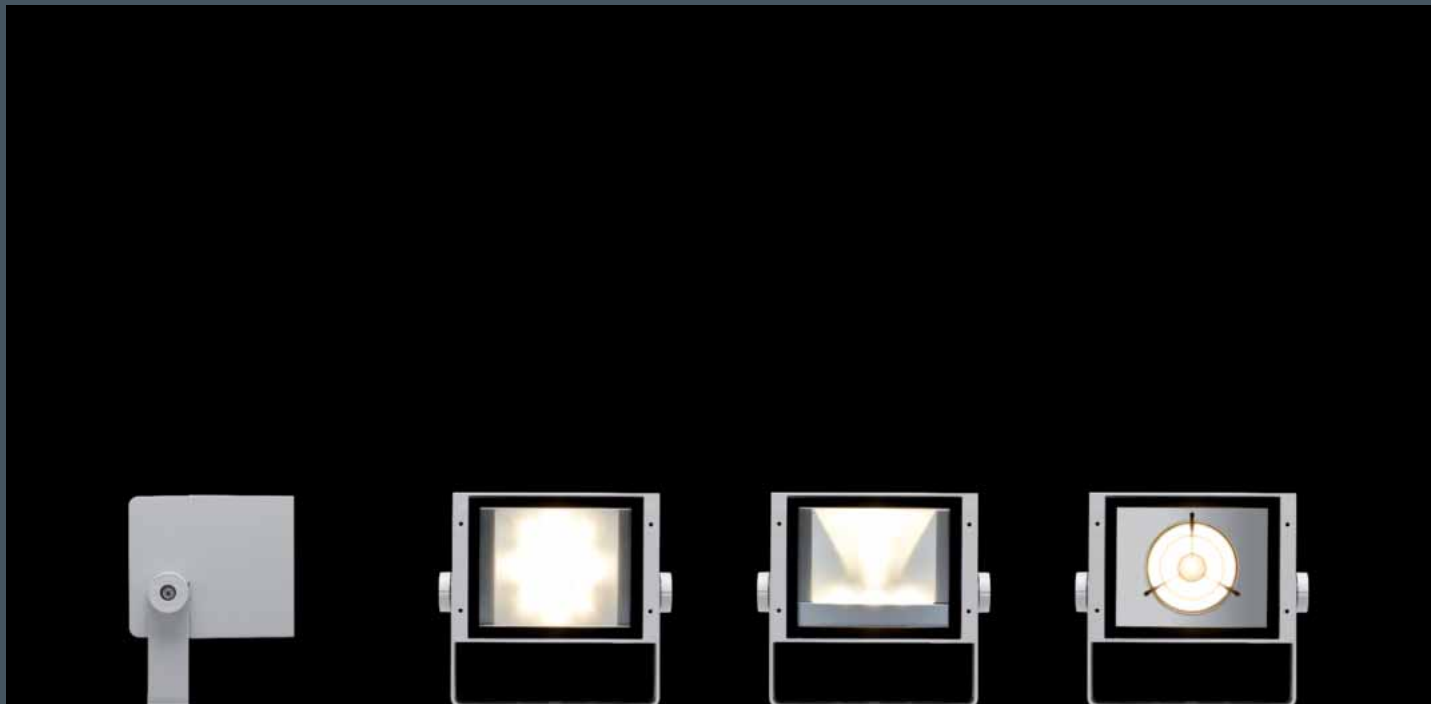
| Part number          | Colour      | Description                                                                                |
|----------------------|-------------|--------------------------------------------------------------------------------------------|
| <b>128 0 860 941</b> | black       | <b>Carrier frame,</b><br>with safety glass,<br>for colour filters, lenses and plastic film |
| <b>128 0 860 961</b> | white       |                                                                                            |
| <b>128 0 860 951</b> | silver grey |                                                                                            |



| Part number          | Description                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------|
| <b>238 1 242 000</b> | <b>Honeycomb louvre,</b><br>internal (factory fitted, not for retro-fitting),<br>to avoid glare |



The internally fitted honeycomb louvre offers effective glare control and is protected from build up of dirt.



The Superlight Compact floodlight series has become a standard instrument in lighting design. Over the years the range has been expanded and modified for new light sources. The range has been adapted to make use of the latest generation of very small, high performance LED modules.

Superlight Compact LED is a compact, high performance floodlight series with all the advantages of the classic range – various different light distributions and a large selection of accessories.

Compact dimensions, a high degree of versatility and timeless design make Superlight Compact LED, also in future, an essential tool for sophisticated exterior lighting projects.



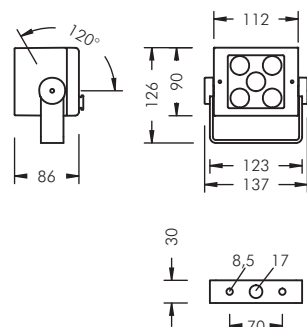


Superlight Compact Micro is the smallest size of the series. There is a choice of different light distributions. Optionally, the LEDs are dimmable.

No 1 Martin Place, Sydney/Australia  
Lighting design: Point of View, Melbourne/Sydney







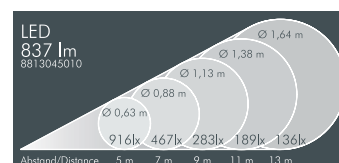
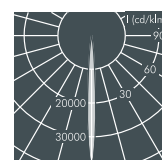
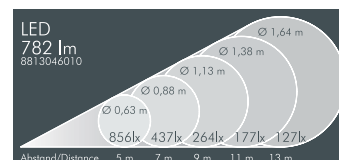
## Superlight Compact Micro

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
powder coated aluminium mounting bracket with  
tilt scale:  
2 drilled holes Ø 8.5 mm, spacing 70 mm,  
1 centre hole Ø 17 mm, tilt range 120°,  
M16 cable gland,  
integral transformer and on-board driver,  
through wiring possible on request

### Superlight Compact Micro, narrow beam

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|
| <b>8 813 046 018</b> | black       | 1.0 kg | 5 x LED 2.5 W<br>(13 W)<br>warm white (3000 K) | 782 lm        | 7°                  |
| <b>8 813 066 018</b> | white       |        |                                                |               |                     |
| <b>8 813 056 018</b> | silver grey |        |                                                |               |                     |

|                      |             |        |                                                   |        |    |
|----------------------|-------------|--------|---------------------------------------------------|--------|----|
| <b>8 813 045 018</b> | black       | 1.0 kg | 5 x LED 2.5 W<br>(13 W)<br>neutral white (4000 K) | 837 lm | 7° |
| <b>8 813 065 018</b> | white       |        |                                                   |        |    |
| <b>8 813 055 018</b> | silver grey |        |                                                   |        |    |

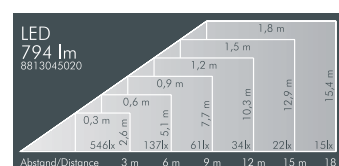
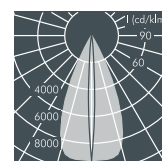
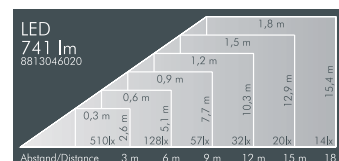


### Superlight Compact Micro, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------------|
| <b>8 813 046 028</b> | black       | 1.0 kg | 5 x LED 2.5 W<br>(13 W)<br>warm white (3000 K) | 741 lm        | C 0 – 180           | C 90 – 270 |
| <b>8 813 066 028</b> | white       |        |                                                |               | 46°                 | 6°         |
| <b>8 813 056 028</b> | silver grey |        |                                                |               |                     |            |

|                      |             |        |                                                   |        |           |            |
|----------------------|-------------|--------|---------------------------------------------------|--------|-----------|------------|
| <b>8 813 045 028</b> | black       | 1.0 kg | 5 x LED 2.5 W<br>(13 W)<br>neutral white (4000 K) | 794 lm | C 0 – 180 | C 90 – 270 |
| <b>8 813 065 028</b> | white       |        |                                                   |        | 46°       | 6°         |
| <b>8 813 055 028</b> | silver grey |        |                                                   |        |           |            |

| Part number         | Description                                          |
|---------------------|------------------------------------------------------|
| <b>. . . . . 3.</b> | <b>Luminaire with linear beam spread, horizontal</b> |

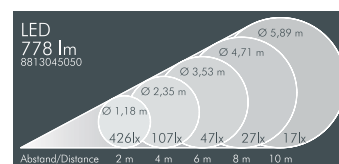
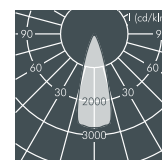
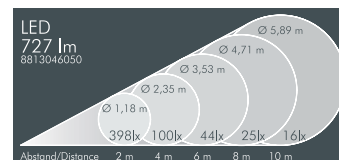


### Superlight Compact Micro, wide beam

| Part number          | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|
| <b>8 813 046 058</b> | black       | 1.0 kg | 5 x LED 2.5 W<br>(13 W)<br>warm white (3000 K) | 727 lm        | 33°                 |
| <b>8 813 066 058</b> | white       |        |                                                |               |                     |
| <b>8 813 056 058</b> | silver grey |        |                                                |               |                     |

|                      |             |        |                                                   |        |     |
|----------------------|-------------|--------|---------------------------------------------------|--------|-----|
| <b>8 813 045 058</b> | black       | 1.0 kg | 5 x LED 2.5 W<br>(13 W)<br>neutral white (4000 K) | 778 lm | 33° |
| <b>8 813 065 058</b> | white       |        |                                                   |        |     |
| <b>8 813 055 058</b> | silver grey |        |                                                   |        |     |

| Part number         | Description                                        |
|---------------------|----------------------------------------------------|
| <b>. . . . . 4.</b> | <b>Luminaire with medium wide beam optics, 20°</b> |



| Part number          | Description                                                                              |
|----------------------|------------------------------------------------------------------------------------------|
| <b>. . . . . 3..</b> | <b>Dimmable version, DALI and 1-10 V</b>                                                 |
| <b>. . . . . 4..</b> | <b>Luminaire with 2 cable glands</b> for through wiring                                  |
| <b>. . . . . 7..</b> | <b>Luminaire dimmable version DALI and 1-10 V with 2 cable glands</b> for through wiring |

LED (see page 247)

luminaires available in 2700 K and other colour temperatures upon request



## Superlight Compact Micro RGB

For external DMX control.

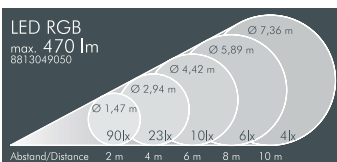
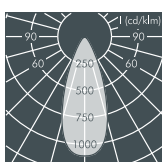
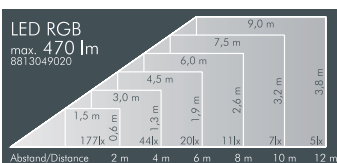
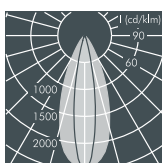
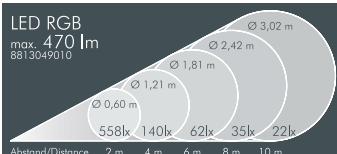
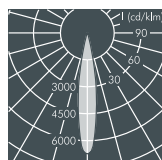
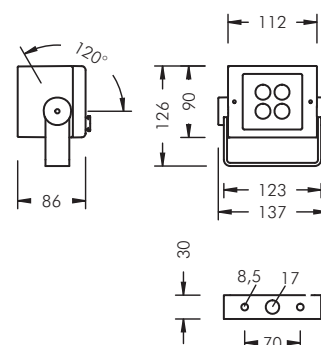
With high performance LEDs RGB,  
integral temperature monitoring device,  
protection class I, IP67 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
powder coated aluminium mounting bracket with  
tilt scale:

2 drilled holes Ø 8.5 mm, spacing 70 mm,

1 centre hole Ø 17 mm, tilt range 120°,

3 x M16 cable gland, integral driver,

separate DMX controller required



### Superlight Compact Micro RGB, narrow beam

| Part number          | Colour      | Weight | Light source                | Luminous flux  | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------|----------------|---------------------|
| <b>8 813 049 018</b> | black       | 1.0 kg | 4 x LED RGB 3.2 W<br>(13 W) | max.<br>470 lm | 17°                 |
| <b>8 813 069 018</b> | white       |        |                             |                |                     |
| <b>8 813 059 018</b> | silver grey |        |                             |                |                     |

### Superlight Compact Micro RGB, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source                | Luminous flux  | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------|----------------|---------------------|
| <b>8 813 049 028</b> | black       | 1.0 kg | 4 x LED RGB 3.2 W<br>(13 W) | max.<br>470 lm | C 0 – 180           |
| <b>8 813 069 028</b> | white       |        |                             |                | C 90 – 270          |
| <b>8 813 059 028</b> | silver grey |        |                             |                | 42°                 |

Part number Description

**. . . . . 3. Luminaire with linear beam spread, horizontal**

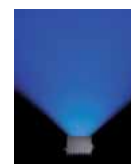
### Superlight Compact Micro RGB, wide beam

| Part number          | Colour      | Weight | Light source                | Luminous flux  | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------|----------------|---------------------|
| <b>8 813 049 058</b> | black       | 1.0 kg | 4 x LED RGB.2 3 W<br>(13 W) | max.<br>470 lm | 40°                 |
| <b>8 813 069 058</b> | white       |        |                             |                |                     |
| <b>8 813 059 058</b> | silver grey |        |                             |                |                     |

Part number Description

**. . . . . 4. Luminaire with medium wide beam optics, 27°**

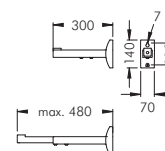
These floodlights offer the advantage of optimal colour mixing, directly above the luminaire.



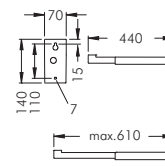
**LED** (see page 247) The luminaires are available with LEDs in different colour combinations upon request.



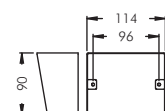
| Accessories Superlight Compact Micro/Superlight Compact Micro RGB |             |                                          |
|-------------------------------------------------------------------|-------------|------------------------------------------|
| Part number                                                       | Colour      | Description                              |
| <b>128 0 700 940</b>                                              | black       | <b>Telescopic wall arm, 300 - 480 mm</b> |
| <b>128 0 700 960</b>                                              | white       | aluminium, polyester powder coated       |
| <b>128 0 700 950</b>                                              | silver grey |                                          |



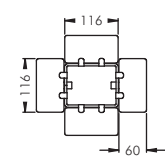
| Part number          | Colour      | Description                              |
|----------------------|-------------|------------------------------------------|
| <b>128 0 730 940</b> | black       | <b>Telescopic wall arm, 440 - 610 mm</b> |
| <b>128 0 730 960</b> | white       | aluminium, polyester powder coated       |
| <b>128 0 730 950</b> | silver grey |                                          |



| Part number          | Colour      | Description                                         |
|----------------------|-------------|-----------------------------------------------------|
| <b>128 0 589 940</b> | black       | <b>Cowl, stainless steel,</b>                       |
| <b>128 0 589 960</b> | white       | to avoid glare from 3 directions, for retro-fitting |
| <b>128 0 589 950</b> | silver grey | (one accessory per luminaire; not in combination)   |



| Part number          | Colour      | Description                                        |
|----------------------|-------------|----------------------------------------------------|
| <b>128 0 588 940</b> | black       | <b>Barn doors, aluminium,</b>                      |
| <b>128 0 588 960</b> | white       | to avoid glare from 4 directions for retro-fitting |
| <b>128 0 588 950</b> | silver grey | (one accessory per luminaire; not in combination)  |



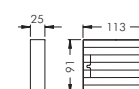
| Part number          | Colour      | Description                               |
|----------------------|-------------|-------------------------------------------|
| <b>128 0 640 940</b> | black       | <b>Vertical louvre*,</b>                  |
| <b>128 0 640 960</b> | white       | stainless steel, to reduce lateral glare, |
| <b>128 0 640 950</b> | silver grey | for mounting on front of floodlight       |

\* For retro-fitting. Only one accessory per luminaire, not in combination.

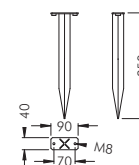


| Part number          | Colour      | Description                               |
|----------------------|-------------|-------------------------------------------|
| <b>128 0 641 940</b> | black       | <b>Horizontal louvre*,</b>                |
| <b>128 0 641 960</b> | white       | stainless steel, to reduce lateral glare, |
| <b>128 0 641 950</b> | silver grey | for mounting on front of floodlight       |

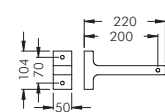
\* For retro-fitting. Only one accessory per luminaire, not in combination.



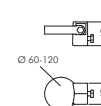
| Part number          | Colour      | Description                          |
|----------------------|-------------|--------------------------------------|
| <b>129 0 390 940</b> | black       | <b>Earth spike, stainless steel,</b> |
| <b>129 0 390 960</b> | white       | for use in landscaped areas          |
| <b>129 0 390 950</b> | silver grey |                                      |



| Part number          | Colour      | Description                                      |
|----------------------|-------------|--------------------------------------------------|
| <b>125 0 160 940</b> | black       | <b>Wall bracket 220 mm, aluminium, polyester</b> |
| <b>125 0 160 960</b> | white       | powder coated, allows horizontal adjustment and  |
| <b>125 0 160 950</b> | silver grey | directional aiming of luminaire                  |

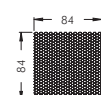


| Part number          | Colour      | Description                                     |
|----------------------|-------------|-------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp, aluminium,</b>                   |
| <b>128 0 760 960</b> | white       | polyester powder coated, stainless steel strap, |
| <b>128 0 760 950</b> | silver grey | for mounting on poles Ø 60 - 120 mm             |



#### Accessories Superlight Compact Micro

| Part number          | Description                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------|
| <b>238 1 206 000</b> | <b>Honeycomb louvre,</b><br>internal (factory fitted, not for retro-fitting),<br>to avoid glare |



#### Accessories Superlight Compact Micro RGB

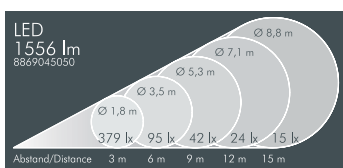
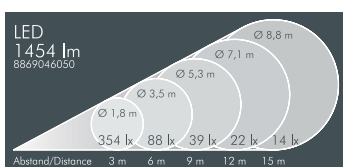
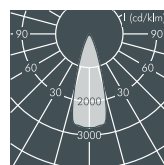
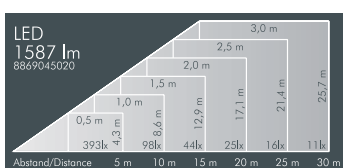
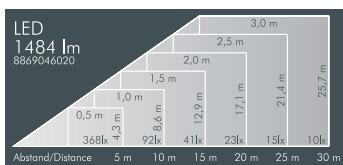
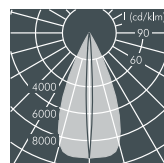
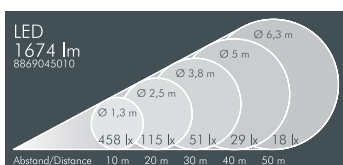
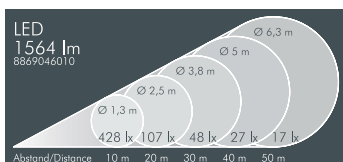
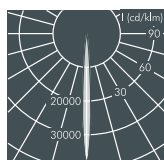
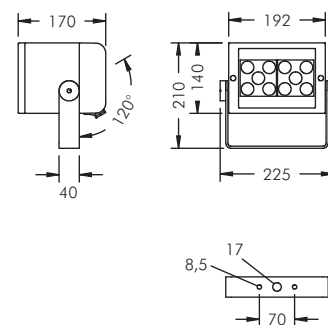
| Part number          | Description                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>127 0 189 000</b> | <b>DMX controller, USB 2.0 connector for programming via PC,</b><br>incl. software, 512 addressable DMX channels,<br>connector for external power supply, plastic housing, IP20 |





## Superlight Compact LED

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 2 stainless steel screws,  
mounting bracket powder coated aluminium with  
tilt scale:  
2 drilled holes Ø 8.5 mm, spacing 70 mm,  
1 centre hole Ø 17 mm, tilt range 120°,  
PG11 cable gland, integral driver



### Superlight Compact LED, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 869 046 018</b> | black       | 2.8 kg | 10 x LED 2.5 W      | 1564 lm       | 7°                  |
| <b>8 869 066 018</b> | white       |        | (25 W)              |               |                     |
| <b>8 869 056 018</b> | silver grey |        | warm white (3000 K) |               |                     |

|                      |             |        |                        |         |    |
|----------------------|-------------|--------|------------------------|---------|----|
| <b>8 869 045 018</b> | black       | 2.8 kg | 10 x LED 2.5 W         | 1674 lm | 7° |
| <b>8 869 065 018</b> | white       |        | (25 W)                 |         |    |
| <b>8 869 055 018</b> | silver grey |        | neutral white (4000 K) |         |    |

### Superlight Compact LED, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 869 046 028</b> | black       | 2.8 kg | 10 x LED 2.5 W      | 1484 lm       | C 0 – 180           |
| <b>8 869 066 028</b> | white       |        | (25 W)              |               | C 90 – 270          |
| <b>8 869 056 028</b> | silver grey |        | warm white (3000 K) |               | 46° 6°              |

|                      |             |        |                        |         |            |
|----------------------|-------------|--------|------------------------|---------|------------|
| <b>8 869 045 028</b> | black       | 2.8 kg | 10 x LED 2.5 W         | 1587 lm | C 0 – 180  |
| <b>8 869 065 028</b> | white       |        | (25 W)                 |         | C 90 – 270 |
| <b>8 869 055 028</b> | silver grey |        | neutral white (4000 K) |         | 46° 6°     |

Part number Bezeichnung

... .3. Luminaire with linear beam spread, horizontal

### Superlight Compact LED, wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 869 046 058</b> | black       | 2.8 kg | 10 x LED 2.5 W      | 1454 lm       | 33°                 |
| <b>8 869 066 058</b> | white       |        | (25 W)              |               |                     |
| <b>8 869 056 058</b> | silver grey |        | warm white (3000 K) |               |                     |

|                      |             |        |                        |         |     |
|----------------------|-------------|--------|------------------------|---------|-----|
| <b>8 869 045 058</b> | black       | 2.8 kg | 10 x LED 2.5 W         | 1556 lm | 33° |
| <b>8 869 065 058</b> | white       |        | (25 W)                 |         |     |
| <b>8 869 055 058</b> | silver grey |        | neutral white (4000 K) |         |     |

Part number Description

... .4. Luminaire with medium wide beam optics, 20°

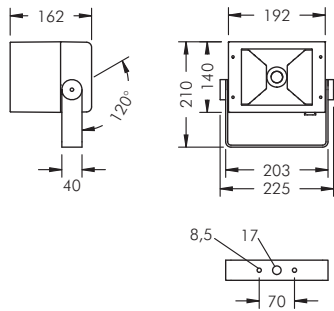
Part number Description

... .3.. Luminaire dimmable version DALI and 1-10 V with 2 cable glands M20

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





### Superlight Compact LED axially symmetrical wide beam

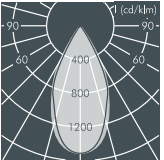
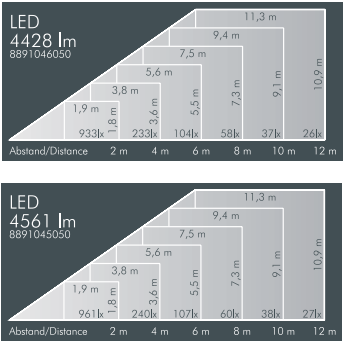
With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK09  
windage area AW 0.04 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
high gloss aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket powder coated aluminium with  
tilt scale: 2 drilled holes Ø 8.5 mm,  
spacing 70 mm, 1 centre hole Ø 17 mm,  
tilt range 120°, M20 cable gland,  
integral driver (AC/DC)

#### Superlight Compact LED, axially symmetrical wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
|                      |             |        |                                            |               | C 0 – 180           | C 90 – 270 |
| <b>8 891 046 058</b> | black       | 2.6 kg | 1 x LED module 46 W<br>warm white (3000 K) | 4428 lm       | 49°                 | 50°        |
| <b>8 891 066 058</b> | white       |        |                                            |               |                     |            |
| <b>8 891 056 058</b> | silver grey |        |                                            |               |                     |            |

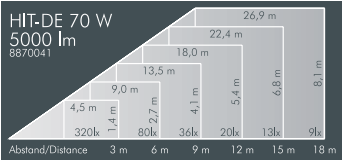
| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
|                      |             |        |                                               |               | C 0 – 180           | C 90 – 270 |
| <b>8 891 045 058</b> | black       | 2.6 kg | 1 x LED module 46 W<br>neutral white (4000 K) | 4561 lm       | 49°                 | 50°        |
| <b>8 891 065 058</b> | white       |        |                                               |               |                     |            |
| <b>8 891 055 058</b> | silver grey |        |                                               |               |                     |            |

| Part number | Description                                                                       |
|-------------|-----------------------------------------------------------------------------------|
| <b>1..</b>  | <b>Dimmable luminaire (DALI)</b>                                                  |
| <b>2..</b>  | <b>Dimmable luminaire (1-10 V)</b>                                                |
| <b>4..</b>  | <b>Luminaire with 2 cable glands</b> for through wiring                           |
| <b>5..</b>  | <b>Luminaire dimmable version (DALI) with 2 cable glands</b> for through wiring   |
| <b>6..</b>  | <b>Luminaire dimmable version (1-10 V) with 2 cable glands</b> for through wiring |



#### Lux level comparison HIT-DE 70 W / LED 46 W, axially symmetrical wide beam

HIT-DE 70 W: 20 lux average level (distance 12 m)  
LED 46 W: 27 lux average level (distance 12 m)

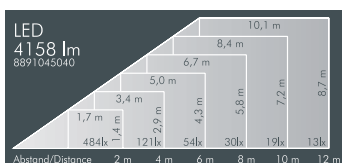
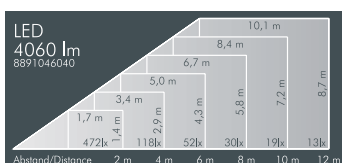
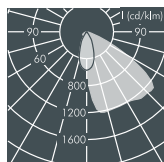
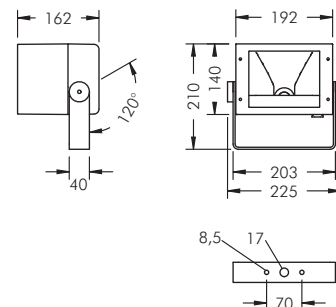


LED (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



## Superlight Compact LED asymmetrical wide beam

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK09  
windage area AW 0.04 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
high gloss aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket powder coated aluminium with  
tilt scale: 2 drilled holes Ø 8.5 mm,  
spacing 70 mm, 1 centre hole Ø 17 mm,  
tilt range 120°, M20 cable gland,  
integral driver (AC/DC)

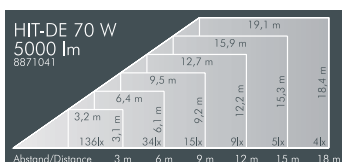


### Superlight Compact LED, asymmetrical wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|--------------------------------------------|---------------|-------------------|
| <b>8 891 046 048</b> | black       | 2.6 kg | 1 x LED module 46 W<br>warm white (3000 K) | 4060 lm       | 48°               |
| <b>8 891 066 048</b> | white       |        |                                            |               |                   |
| <b>8 891 056 048</b> | silver grey |        |                                            |               |                   |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| <b>8 891 045 048</b> | black       | 2.6 kg | 1 x LED module 46 W<br>neutral white (4000 K) | 4158 lm       | 48°               |
| <b>8 891 065 048</b> | white       |        |                                               |               |                   |
| <b>8 891 055 048</b> | silver grey |        |                                               |               |                   |

| Part number | Description                                                                       |
|-------------|-----------------------------------------------------------------------------------|
| <b>1..</b>  | <b>Dimmable luminaire (DALI)</b>                                                  |
| <b>2..</b>  | <b>Dimmable luminaire (1-10 V)</b>                                                |
| <b>4..</b>  | <b>Luminaire with 2 cable glands</b> for through wiring                           |
| <b>5..</b>  | <b>Luminaire dimmable version (DALI) with 2 cable glands</b> for through wiring   |
| <b>6..</b>  | <b>Luminaire dimmable version (1-10 V) with 2 cable glands</b> for through wiring |



### Lux level comparison HIT-DE 70 W / LED 46 W, asymmetrical wide beam

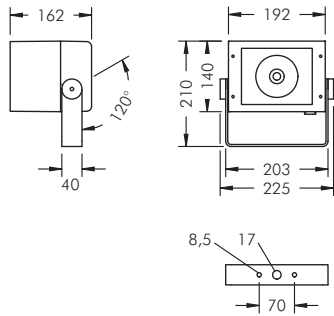
HIT-DE 70 W: 9 lux average level (distance 12 m)

LED 46 W: 13 lux average level (distance 12 m)

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





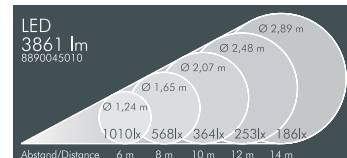
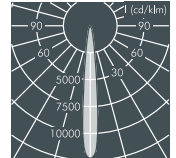
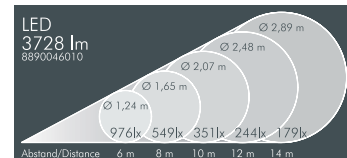
## Superlight Compact LED rotationally symmetrical narrow beam

With high performance LED module,  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK09  
windage area A<sub>W</sub> 0.04 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
high gloss aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket powder coated aluminium with  
tilt scale: 2 drilled holes Ø 8.5 mm,  
spacing 70 mm, 1 centre hole Ø 17 mm,  
tilt range 120°, M20 cable gland,  
integral driver (AC/DC)

### Superlight Compact LED, rotationally symmetrical narrow beam

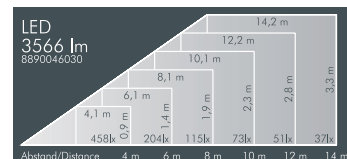
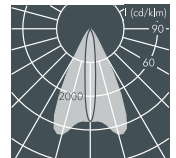
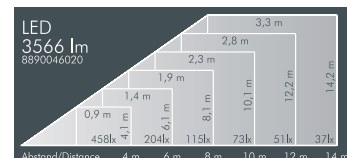
| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 890 046 018</b> | black       | 2.6 kg | 1 x LED module 48 W<br>warm white (3000 K) | 3728 lm       | 11°                 |
| <b>8 890 066 018</b> | white       |        |                                            |               |                     |
| <b>8 890 056 018</b> | silver grey |        |                                            |               |                     |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 890 045 018</b> | black       | 2.6 kg | 1 x LED module 48 W<br>neutral white (4000 K) | 3861 lm       | 11°                 |
| <b>8 890 065 018</b> | white       |        |                                               |               |                     |
| <b>8 890 055 018</b> | silver grey |        |                                               |               |                     |



### Superlight Compact LED, rotationally symmetrical narrow beam

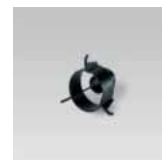
| Part number         | Beam direction | Description                         | Beam angle γ (FWHM) |            |
|---------------------|----------------|-------------------------------------|---------------------|------------|
|                     |                |                                     | C 0 – 180           | C 90 – 270 |
| <b>. . . . . 2.</b> | vertical       | <b>Floodlight with ribbed glass</b> | 54°                 | 11°        |
| <b>. . . . . 3.</b> | horizontal     | for linear beam control             | 11°                 | 54°        |



| Part number          | Description                                                                       |
|----------------------|-----------------------------------------------------------------------------------|
| <b>. . . . . 1..</b> | <b>Dimmable luminaire (DALI)</b>                                                  |
| <b>. . . . . 2..</b> | <b>Dimmable luminaire (1-10 V)</b>                                                |
| <b>. . . . . 4..</b> | <b>Luminaire with 2 cable glands</b> for through wiring                           |
| <b>. . . . . 5..</b> | <b>Luminaire dimmable version (DALI) with 2 cable glands</b> for through wiring   |
| <b>. . . . . 6..</b> | <b>Luminaire dimmable version (1-10 V) with 2 cable glands</b> for through wiring |

### Accessories Superlight Compact LED, rotationally symmetrical narrow beam/medium wide beam

| Part number          | Description                                                                     |
|----------------------|---------------------------------------------------------------------------------|
| <b>128 0 827 940</b> | <b>Radial louvre,</b><br>internally fitted, to reduce glare and scattered light |



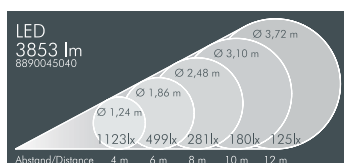
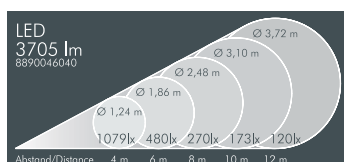
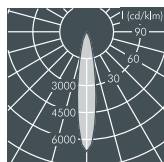
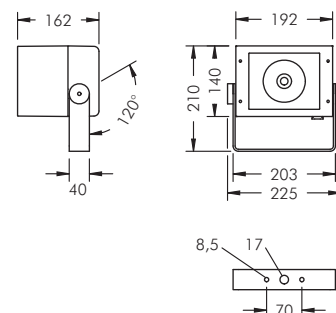
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



## Superlight Compact LED rotationally symmetrical medium wide beam

With high performance LED module,  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK09  
windage area A<sub>W</sub> 0.04 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AISi12,  
polyester powder coated,  
high gloss aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket powder coated aluminium with  
tilt scale: 2 drilled holes Ø 8.5 mm,  
spacing 70 mm, 1 centre hole Ø 17 mm,  
tilt range 120°, M20 cable gland,  
integral driver (AC/DC)



### Superlight Compact LED, rotationally symmetrical medium wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 890 046 048</b> | black       | 2.6 kg | 1 x LED module 48 W<br>warm white (3000 K) | 3705 lm       | C 0 – 180<br>18°    |
| <b>8 890 066 048</b> | white       |        |                                            |               |                     |
| <b>8 890 056 048</b> | silver grey |        |                                            |               |                     |

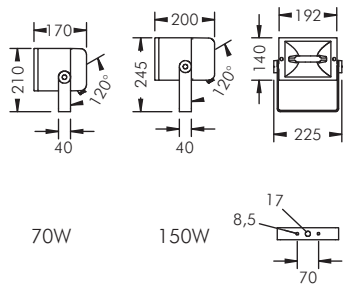
| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 890 045 048</b> | black       | 2.6 kg | 1 x LED module 48 W<br>neutral white (4000 K) | 3853 lm       | C 0 – 180<br>18°    |
| <b>8 890 065 048</b> | white       |        |                                               |               |                     |
| <b>8 890 055 048</b> | silver grey |        |                                               |               |                     |

| Part number | Description                                                                       |
|-------------|-----------------------------------------------------------------------------------|
| <b>1..</b>  | <b>Dimmable luminaire (DALI)</b>                                                  |
| <b>2..</b>  | <b>Dimmable luminaire (1-10 V)</b>                                                |
| <b>4..</b>  | <b>Luminaire with 2 cable glands</b> for through wiring                           |
| <b>5..</b>  | <b>Luminaire dimmable version (DALI) with 2 cable glands</b> for through wiring   |
| <b>6..</b>  | <b>Luminaire dimmable version (1-10 V) with 2 cable glands</b> for through wiring |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



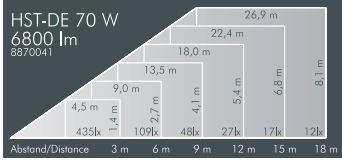
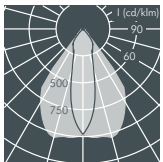
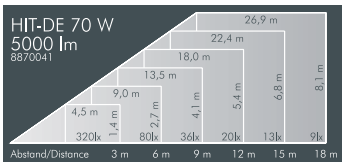


### Superlight Compact axially symmetrical wide beam

For metal halide lamps (HIT-DE),  
ceramic metal halide lamps (HIT-DE-CE)  
high pressure sodium lamps (HST-DE)  
protection class I, IP65   IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, axially symmetrical high  
gloss aluminium reflector, all exterior steel parts are  
stainless steel, tempered safety glass, silicon gasket,  
closure with 2 stainless steel screws, mounting bracket  
powder coated aluminium with tilt scale:  
2 drilled holes  $\varnothing$  8.5 mm, spacing 70 mm,  
1 centre hole  $\varnothing$  17 mm, tilt range 120°,  
PG11 cable gland, integral LPF ballast and ignitor,  
HPF available on request (see page 246),  
supplied without lamp

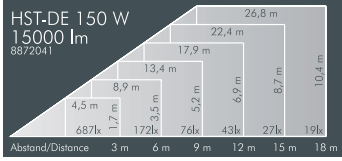
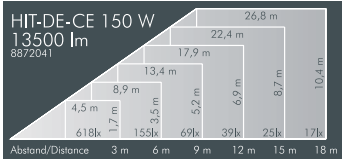
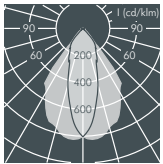
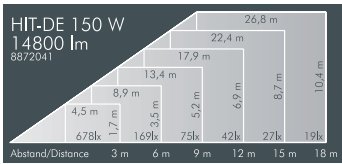
#### Superlight Compact 70 W, axially symmetrical wide beam

| Part number   | Colour      | Lamp           | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |            |
|---------------|-------------|----------------|------------|--------|----------------------------|------------|
| 8 870 041 008 | black       | HIT-DE 70 W    | Rx7s       | 3.8 kg | C 0 – 180                  | C 90 – 270 |
| 8 870 061 008 | white       | HIT-DE-CE 70 W |            |        | 27°                        | 71°        |
| 8 870 051 008 | silver grey | HST-DE 70 W    |            |        |                            |            |



#### Superlight Compact 150 W, axially symmetrical wide beam

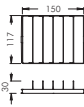
| Part number   | Colour      | Lamp            | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |            |
|---------------|-------------|-----------------|------------|--------|----------------------------|------------|
| 8 872 041 008 | black       | HIT-DE 150 W    | Rx7s       | 5.2 kg | C 0 – 180                  | C 90 – 270 |
| 8 872 061 008 | white       | HIT-DE-CE 150 W |            |        | 32°                        | 72°        |
| 8 872 051 008 | silver grey | HST-DE 150 W    |            |        |                            |            |



| Part number       | Description                                                       |
|-------------------|-------------------------------------------------------------------|
| • • • • 3 • • • • | <b>Superlight Compact</b><br><b>with pre-assembled Light Lock</b> |

#### Accessories Superlight Compact 70 W

| Part number   | Description                                                                  |
|---------------|------------------------------------------------------------------------------|
| 128 0 565 000 | <b>Louvre</b> , internally fitted, to reduce lateral glare                   |
| 128 0 566 000 | <b>Vertical louvre</b> only for axially symmetrical/asymmetrical floodlights |
| 128 0 566 000 | <b>Horizontal louvre</b> only for axially symmetrical floodlights            |

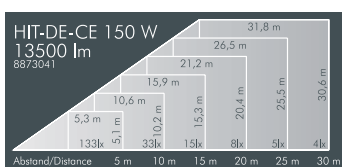
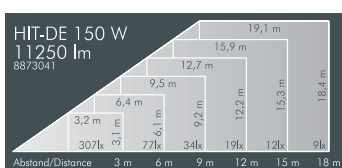
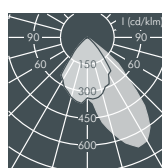
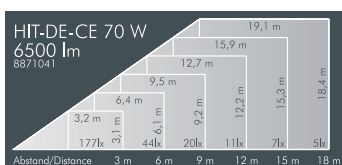
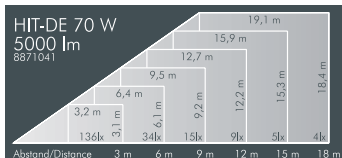
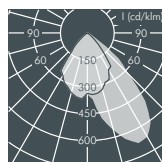
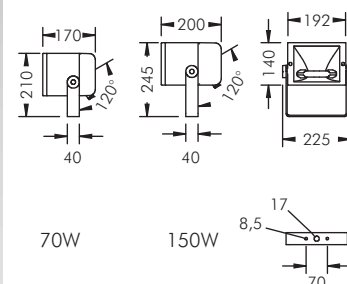


#### Lamps

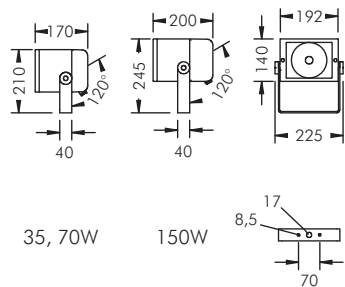


## Superlight Compact asymmetrical wide beam

For metal halide lamps (HIT-DE),  
ceramic metal halide lamps (HIT-DE-CE) and  
high pressure sodium lamps (HST-DE)  
protection class I, IP65  , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, asymmetrical high  
gloss aluminium reflector, all exterior steel parts are  
stainless steel, tempered safety glass, silicon gasket,  
closure with 2 stainless steel screws, mounting bracket  
powder coated aluminium with tilt scale:  
2 drilled holes  $\varnothing$  8.5 mm, spacing 70 mm,  
1 centre hole  $\varnothing$  17 mm, tilt range, 120°,  
PG11 cable gland, integral LPF ballast and ignitor,  
HPF available on request (see page 246),  
supplied without lamp





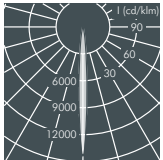
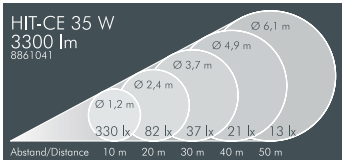


### Superlight Compact rotationally symmetrical narrow beam

For metal halide lamps (HIT),  
ceramic metal halide lamps (HIT-CE),  
protection class I, IP65 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, rotationally symmetrical  
high gloss aluminium reflector, all exterior steel parts are  
stainless steel, tempered safety glass, silicon gasket,  
closure with 2 stainless steel screws, mounting bracket  
powder coated aluminium with tilt scale:  
2 drilled holes  $\varnothing 8.5$  mm, spacing 70 mm,  
1 centre hole  $\varnothing 17$  mm, tilt range 120°,  
PG11 cable gland, integral LPF ballast and ignitor,  
HPF available on request (see page 246),  
supplied without lamp

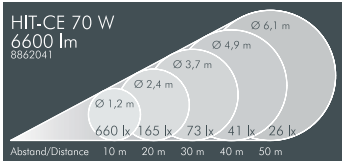
#### Superlight Compact 35 W, rotationally symmetrical narrow beam

| Part number   | Colour      | Lamp        | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |
|---------------|-------------|-------------|------------|--------|----------------------------|
| 8 861 041 008 | black       | HIT-CE 35 W | G12        | 3.7 kg | C 0 – 180                  |
| 8 861 061 008 | white       |             |            |        | 7°                         |
| 8 861 051 008 | silver grey |             |            |        |                            |



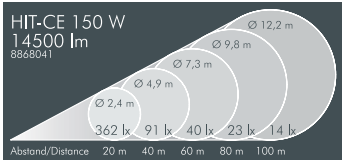
#### Superlight Compact 70 W, rotationally symmetrical narrow beam

| Part number   | Colour      | Lamp     | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |
|---------------|-------------|----------|------------|--------|----------------------------|
| 8 862 041 008 | black       | HIT 70 W | G12        | 3.8 kg | C 0 – 180                  |
| 8 862 061 008 | white       |          |            |        | 7°                         |
| 8 862 051 008 | silver grey |          |            |        |                            |



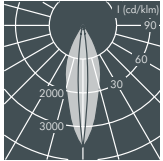
#### Superlight Compact 150 W, rotationally symmetrical narrow beam \*

| Part number   | Colour      | Lamp      | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |
|---------------|-------------|-----------|------------|--------|----------------------------|
| 8 868 041 008 | black       | HIT 150 W | G12        | 5.2 kg | C 0 – 180                  |
| 8 868 061 008 | white       |           |            |        | 8°                         |
| 8 868 051 008 | silver grey |           |            |        |                            |

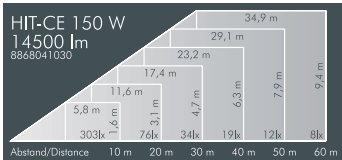


#### Superlight Compact 35/70/150 W, rotationally symmetrical, narrow beam\*

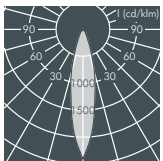
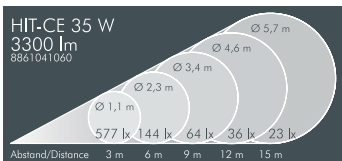
| Part number | Beam direction | Description                         | Beam angle $\gamma$ (FWHM) |
|-------------|----------------|-------------------------------------|----------------------------|
| ...         | vertical       | <b>Floodlight with ribbed glass</b> | C 0 – 180                  |
| ...         | horizontal     |                                     | C 90 – 270                 |
| ...         | vertical       | <b>Floodlight with ribbed glass</b> | 33°                        |
| ...         | horizontal     |                                     | 9°                         |
| ...         | vertical       | <b>Floodlight with ribbed glass</b> | 33°                        |
| ...         | horizontal     |                                     | 9°                         |



\* not suitable for use with colour filters



| Part number | Description                                                               | Beam angle $\gamma$ (FWHM) |
|-------------|---------------------------------------------------------------------------|----------------------------|
| ...         | <b>Floodlight with prismatic glass</b><br>for diffused light distribution | 22°                        |



| Part number | Description                                             |
|-------------|---------------------------------------------------------|
| ...         | <b>Superlight Compact with pre-assembled Light Lock</b> |

#### Lamps

HIT



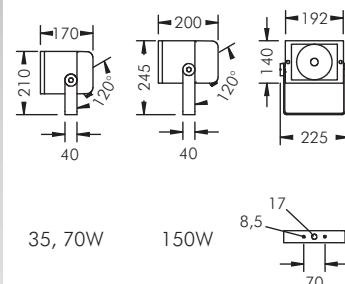
HIT-CE





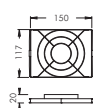
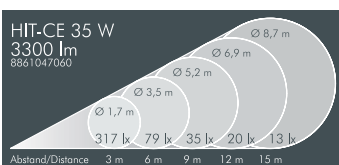
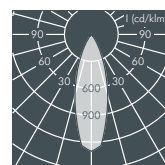
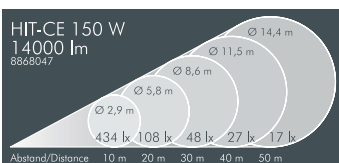
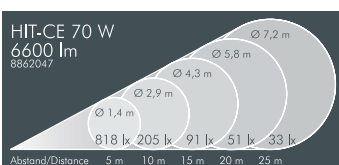
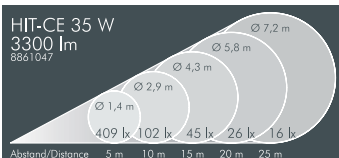
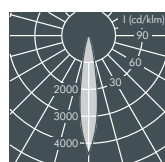
## Superlight Compact rotationally symmetrical medium wide beam

For metal halide lamps (HIT),  
ceramic metal halide lamps (HIT-CE),  
protection class I, IP65 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, rotationally symmetrical  
satin finish aluminium reflector, all exterior steel parts are  
stainless steel, tempered safety glass, silicon gasket,  
closure with 2 stainless steel screws, mounting bracket  
powder coated aluminium with tilt scale:  
2 drilled holes  $\varnothing$  8.5 mm, spacing 70 mm,  
1 centre hole  $\varnothing$  17 mm, tilt range 120°,  
PG11 cable gland, integral LPF ballast and ignitor,  
HPF available on request (see page 246),  
supplied without lamp



35, 70W

150W



### Lamps

HIT



HIT-CE



### Superlight Compact 35 W, rotationally symmetrical medium wide beam

| Part number          | Colour      | Lamp        | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|-------------|------------|--------|----------------------------|
| <b>8 861 047 008</b> | black       | HIT-CE 35 W | G12        | 3.7 kg | C 0 – 180                  |
| <b>8 861 067 008</b> | white       |             |            |        | 16°                        |
| <b>8 861 057 008</b> | silver grey |             |            |        |                            |

### Superlight Compact 70 W, rotationally symmetrical medium wide beam

| Part number          | Colour      | Lamp        | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|-------------|------------|--------|----------------------------|
| <b>8 862 047 008</b> | black       | HIT 70 W    | G12        | 3.8 kg | C 0 – 180                  |
| <b>8 862 067 008</b> | white       | HIT-CE 70 W |            |        | 16°                        |
| <b>8 862 057 008</b> | silver grey |             |            |        |                            |

### Superlight Compact 150 W, rotationally symmetrical medium wide beam

| Part number          | Colour      | Lamp         | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------------|------------|--------|----------------------------|
| <b>8 868 047 008</b> | black       | HIT 150 W    | G12        | 5.2 kg | C 0 – 180                  |
| <b>8 868 067 008</b> | white       | HIT-CE 150 W |            |        | 17°                        |
| <b>8 868 057 008</b> | silver grey |              |            |        |                            |

| Part number       | Description                                                               | Beam angle $\gamma$ (FWHM) |
|-------------------|---------------------------------------------------------------------------|----------------------------|
| <b>... .. .6.</b> | <b>Floodlight with prismatic glass</b><br>for diffused light distribution | 32°                        |

### Superlight 35/70/150 W rotationally symmetrical, narrow beam and medium wide beam

| Part number        | Description                                                |
|--------------------|------------------------------------------------------------|
| <b>... .. .4..</b> | <b>Luminaire with 2 cable glands</b><br>for through wiring |

### Accessories Superlight Compact 35/70/150 W rotationally symmetrical narrow beam and medium wide beam

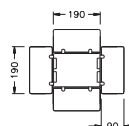
| Part number          | Description                                             |
|----------------------|---------------------------------------------------------|
| <b>128 0 370 000</b> | <b>Glare control sleeve</b> , to reduce scattered light |

### Accessories Superlight Compact 35/70 W rotationally symmetrical narrow beam and medium wide beam

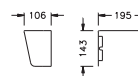
| Part number          | Description                                                                      |
|----------------------|----------------------------------------------------------------------------------|
| <b>128 0 585 000</b> | <b>Radial louvre</b> , internally fitted,<br>to reduce glare from all directions |

**Accessories Superlight Compact/Superlight Compact LED**

| Part number          | Colour      | Description                                                                                                                                   |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 035 940</b> | black       | <b>Barn doors*</b> , aluminium, to avoid glare from 4 directions, variable control of light distribution, for mounting on front of floodlight |
| <b>128 0 035 960</b> | white       |                                                                                                                                               |
| <b>128 0 035 950</b> | silver grey |                                                                                                                                               |

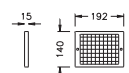
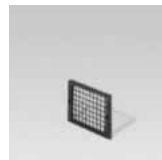


| Part number          | Colour      | Description                                                                                           |
|----------------------|-------------|-------------------------------------------------------------------------------------------------------|
| <b>128 0 031 940</b> | black       | <b>Cowl*</b> , stainless steel, to avoid glare from 3 directions, for mounting on front of floodlight |
| <b>128 0 031 960</b> | white       |                                                                                                       |
| <b>128 0 031 950</b> | silver grey |                                                                                                       |

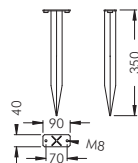


| Part number          | Colour      | Description                                                                                                                                              |
|----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 352 940</b> | black       | <b>Protection grill*</b> , stainless steel, c/w aluminium frame, to protect the glass from stone chip and vandalism, for mounting on front of floodlight |
| <b>128 0 352 960</b> | white       |                                                                                                                                                          |
| <b>128 0 352 950</b> | silver grey |                                                                                                                                                          |

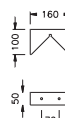
\*for retro-fitting, only one accessory per luminaire, not in combination



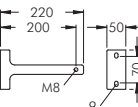
| Part number          | Colour      | Description                                                       |
|----------------------|-------------|-------------------------------------------------------------------|
| <b>129 0 390 940</b> | black       | <b>Earth spike</b> , stainless steel, for use in landscaped areas |
| <b>129 0 390 960</b> | white       |                                                                   |
| <b>129 0 390 950</b> | silver grey |                                                                   |



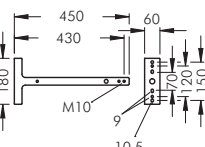
| Part number          | Colour      | Description                                                                                                  |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------|
| <b>125 0 197 940</b> | black       | <b>Corner fixing bracket A</b> , aluminium, polyester powder coated, for mounting floodlights on 90° corners |
| <b>125 0 197 960</b> | white       |                                                                                                              |
| <b>125 0 197 950</b> | silver grey |                                                                                                              |



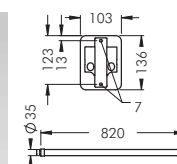
| Part number          | Colour      | Description                                                                                                                       |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>125 0 160 940</b> | black       | <b>Wall bracket 220 mm</b> , aluminium, polyester powder coated, allows horizontal adjustment and directional aiming of luminaire |
| <b>125 0 160 960</b> | white       |                                                                                                                                   |
| <b>125 0 160 950</b> | silver grey |                                                                                                                                   |



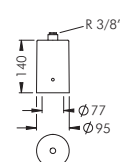
| Part number          | Colour      | Description                                                                                                                       |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 294 940</b> | black       | <b>Wall bracket 450 mm</b> , aluminium, polyester powder coated, allows horizontal adjustment and directional aiming of luminaire |
| <b>128 0 294 960</b> | white       |                                                                                                                                   |
| <b>128 0 294 950</b> | silver grey |                                                                                                                                   |



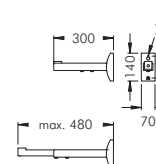
| Part number          | Colour      | Description                                                                                                                            |
|----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 801 940</b> | black       | <b>Wall arm 820 mm</b> , aluminium, polyester powder coated, for illumination of signs and facades, cable duct inside, max. load 6 kgs |
| <b>128 0 801 960</b> | white       |                                                                                                                                        |
| <b>128 0 801 950</b> | silver grey |                                                                                                                                        |



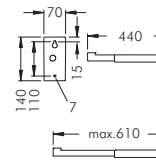
| Part number          | Colour      | Description                                                                                          |
|----------------------|-------------|------------------------------------------------------------------------------------------------------|
| <b>128 0 625 940</b> | black       | <b>Pole top fitter</b> , aluminium, for pole Ø 76 mm, with R3/8" thread, for mounting one floodlight |
| <b>128 0 625 960</b> | white       |                                                                                                      |
| <b>128 0 625 950</b> | silver grey |                                                                                                      |

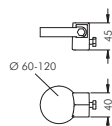


| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>128 0 700 940</b> | black       | <b>Telescopic wall arm, 300 - 480 mm</b> aluminium, polyester powder coated |
| <b>128 0 700 960</b> | white       |                                                                             |
| <b>128 0 700 950</b> | silver grey |                                                                             |



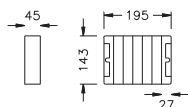
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>128 0 730 940</b> | black       | <b>Telescopic wall arm, 440 - 610 mm</b> aluminium, polyester powder coated |
| <b>128 0 730 960</b> | white       |                                                                             |
| <b>128 0 730 950</b> | silver grey |                                                                             |



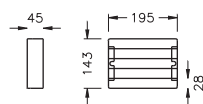


#### Accessories Superlight Compact/Superlight Compact LED

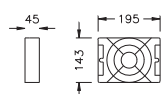
| Part number          | Colour      | Description                                                                                                               |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp</b> , aluminium, polyester powder coated, stainless steel strap, for mounting on poles <b>Ø 60 – 120 mm</b> |
| <b>128 0 760 960</b> | white       |                                                                                                                           |
| <b>128 0 760 950</b> | silver grey |                                                                                                                           |



| Part number          | Colour      | Description                                                                                             |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------|
| <b>128 0 033 940</b> | black       | <b>Vertical louvre*</b> , stainless steel, to reduce lateral glare, for mounting on front of floodlight |
| <b>128 0 033 960</b> | white       |                                                                                                         |
| <b>128 0 033 950</b> | silver grey |                                                                                                         |

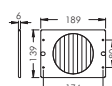


| Part number          | Colour      | Description                                                                                               |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------|
| <b>128 0 368 940</b> | black       | <b>Horizontal louvre*</b> , stainless steel, to reduce lateral glare, for mounting on front of floodlight |
| <b>128 0 368 960</b> | white       |                                                                                                           |
| <b>128 0 368 950</b> | silver grey |                                                                                                           |



| Part number          | Colour      | Description                                                                                           |
|----------------------|-------------|-------------------------------------------------------------------------------------------------------|
| <b>128 0 431 940</b> | black       | <b>Radial louvre*</b> , stainless steel, to reduce lateral glare, for mounting on front of floodlight |
| <b>128 0 431 960</b> | white       |                                                                                                       |
| <b>128 0 431 950</b> | silver grey |                                                                                                       |

\*for retro-fitting, only one accessory per luminaire, not in combination



#### Accessories Superlight Compact/LED, rotationally symmetrical narrow beam

| Part number          | Colour            | Description                                                                                                                                     |
|----------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 622 940</b> | black frame       | <b>Rotatable ribbed glass spreader lense**</b> , for linear beam distribution, continuously adjustable through 360°, with stainless steel frame |
| <b>128 0 622 960</b> | white frame       |                                                                                                                                                 |
| <b>128 0 622 950</b> | silver grey frame |                                                                                                                                                 |

\*\*not for luminaires 8 869 ... ..



#### Accessories Superlight Compact LED

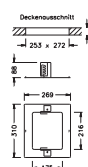
| Part number          | Colour | Description                                                                                  |
|----------------------|--------|----------------------------------------------------------------------------------------------|
| <b>128 0 891 000</b> | yellow | <b>Dichroic colour filter**</b> , internally fitted, (factory fitted, not for retro-fitting) |
| <b>128 0 893 000</b> | blue   |                                                                                              |
| <b>128 0 897 000</b> | red    |                                                                                              |
| <b>128 0 898 000</b> | green  |                                                                                              |

Available for Superlight Compact (HIT) on request



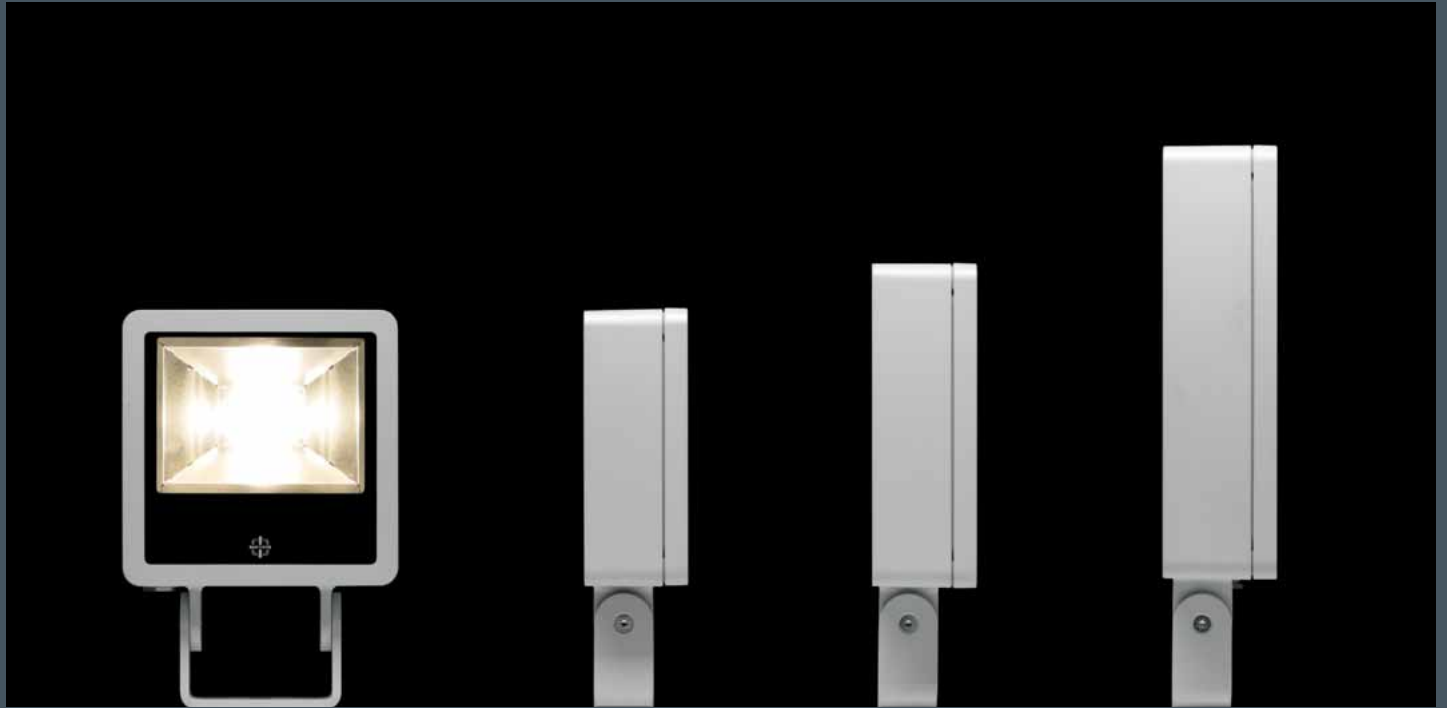
| Part number          | Description                                                   |
|----------------------|---------------------------------------------------------------|
| <b>128 0 813 000</b> | <b>Honeycomb louvre**</b> , internally fitted, to avoid glare |

\*\*not for luminaires 8 869 ... ..



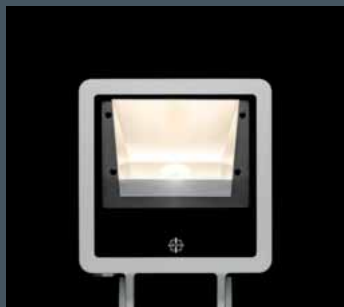
#### Accessories Superlight Compact 35/70 W (HIT)

| Part number          | Colour      | Description                                                                                                                                                           |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 235 000</b> | unpainted   | <b>Ceiling recess frame</b> , stainless steel, outer dimensions 270 x 320 mm, in kit form, ready for assembly, adjustable height of fitting, min. recess depth 250 mm |
| <b>128 0 235 940</b> | black       |                                                                                                                                                                       |
| <b>128 0 235 960</b> | white       |                                                                                                                                                                       |
| <b>128 0 235 950</b> | silver grey |                                                                                                                                                                       |



Superlight LED is a range of exterior, high performance floodlights in 3 sizes of housing. Particularly high performance LED modules are combined with extremely efficient reflectors for various different light distributions. These floodlights can be used universally for manifold exterior lighting tasks.

Symmetrical or asymmetrical wide beam reflectors can be used for area lighting while the rotationally symmetrical narrow beam reflectors are useful for accent lighting on façades or on the ground. Optimal heat management ensures a high degree of efficiency and longevity of the LED modules. Their sleek and unobtrusive design allows these luminaires to be integrated into any style of architecture.

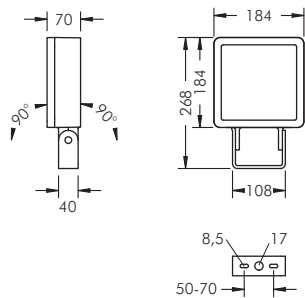


As pole mount luminaires the floodlights are supplied with a fixing bracket which allows the luminaires to be tilted and turned. A wide range of different light distributions and flexibility of positioning of the luminaires on the pole give the discerning lighting consultant many options for the illumination of exterior spaces.



DEPOT noise protection wall, Niedernberg/Germany  
Lighting design: studiocandela, Herford



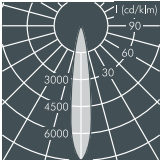
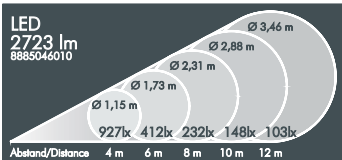


Superlight LED 1

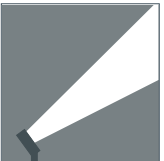
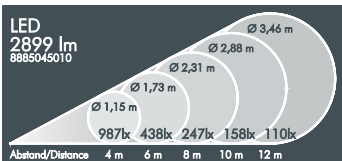
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.035 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high efficiency reflector, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 4 stainless steel screws, mounting bracket powder coated aluminium: 2 drilled holes Ø 8.5 mm, spacing 50 - 70 mm, 1 centre hole Ø 17 mm, tilt range 180°, M20 cable gland, integral driver (AC/DC)

Superlight LED 1, rotationally symmetrical narrow beam\*

| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| 8 885 046 018 | black       | 2.4 kg | 1 x LED module 26 W<br>warm white (3000 K) | 2723 lm       | 16°                 |
| 8 885 066 018 | white       |        |                                            |               |                     |
| 8 885 056 018 | silver grey |        |                                            |               |                     |

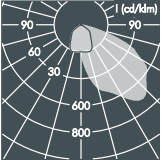
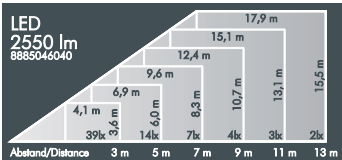


| Part number   | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| 8 885 045 018 | black       | 2.4 kg | 1 x LED module 26 W<br>neutral white (4000 K) | 2899 lm       | 16°                 |
| 8 885 065 018 | white       |        |                                               |               |                     |
| 8 885 055 018 | silver grey |        |                                               |               |                     |

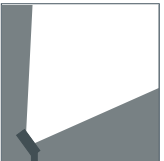
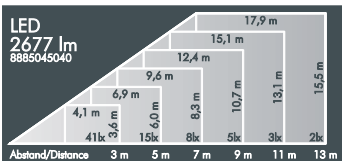


Superlight LED 1, asymmetrical beam\*

| Part number   | Colour      | Weight | Light source                               | Luminous flux | Main beam angle γ |
|---------------|-------------|--------|--------------------------------------------|---------------|-------------------|
| 8 885 046 048 | black       | 2.4 kg | 1 x LED module 26 W<br>warm white (3000 K) | 2550 lm       | 40°               |
| 8 885 066 048 | white       |        |                                            |               |                   |
| 8 885 056 048 | silver grey |        |                                            |               |                   |

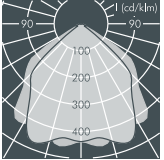
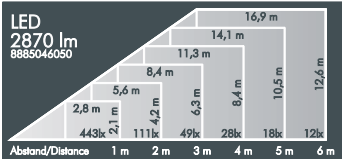


| Part number   | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|---------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| 8 885 045 048 | black       | 2.4 kg | 1 x LED module 26 W<br>neutral white (4000 K) | 2677 lm       | 40°               |
| 8 885 065 048 | white       |        |                                               |               |                   |
| 8 885 055 048 | silver grey |        |                                               |               |                   |

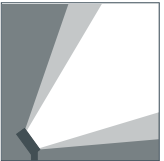
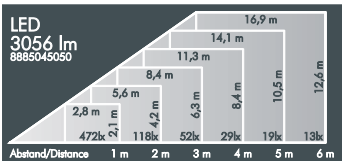


Superlight LED 1, wide beam\*

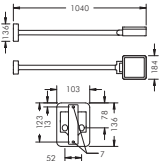
| Part number   | Colour      | Weight | Light source                              | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|-------------------------------------------|---------------|---------------------|
| 8 885 046 058 | black       | 2.4 kg | 1 x LED Modul 26 W<br>warm white (3000 K) | 2870 lm       | C 0 – 180           |
| 8 885 066 058 | white       |        |                                           |               | C 90 – 270          |
| 8 885 056 058 | silver grey |        |                                           |               | 92°                 |



| Part number   | Colour      | Weight | Light source                                 | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|----------------------------------------------|---------------|---------------------|
| 8 885 045 058 | black       | 2.4 kg | 1 x LED Modul 26 W<br>neutral white (4000 K) | 3056 lm       | C 0 – 180           |
| 8 885 065 058 | white       |        |                                              |               | C 90 – 270          |
| 8 885 055 058 | silver grey |        |                                              |               | 92°                 |



| Part number | Description                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------|
| ... 1 ...   | <b>Luminaire with wall arm</b> , internal cable run<br>Available upon request in various lengths. |
| ... 1 ...   | <b>Dimmable version (DALI)</b>                                                                    |



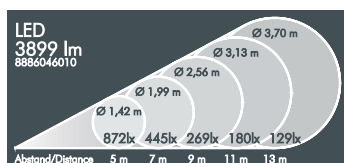
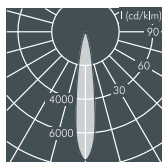
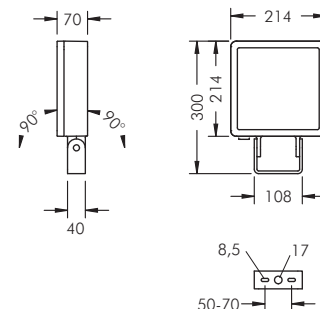
\* Luminaires with 2 cable glands are available upon request.

LED (see page 247)  
Luminaires available in 2700 K or other colour temperatures upon request



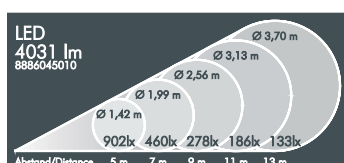
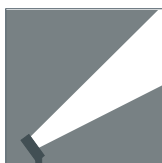
## Superlight LED 2

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.047 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, high efficiency reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket powder coated aluminium:  
2 drilled holes Ø 8.5 mm, spacing 50 - 70 mm,  
1 centre hole Ø 17 mm, tilt range 180°,  
M20 cable gland, integral driver (AC/DC)

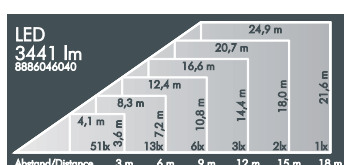
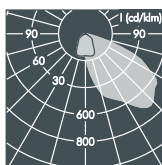


### Superlight LED 2, rotationally symmetrical narrow beam\*

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 886 046 018</b> | black       | 3.0 kg | 1 x LED module 40 W | 3899 lm       | 16°                 |
| <b>8 886 066 018</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 886 056 018</b> | silver grey |        |                     |               |                     |

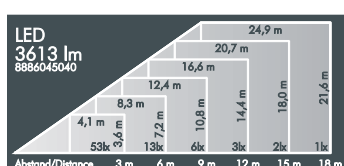
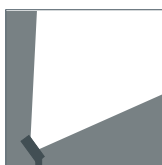


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 886 045 018</b> | black       | 3.0 kg | 1 x LED module 40 W    | 4031 lm       | 16°                 |
| <b>8 886 065 018</b> | white       |        | neutral white (4000 K) |               |                     |
| <b>8 886 055 018</b> | silver grey |        |                        |               |                     |

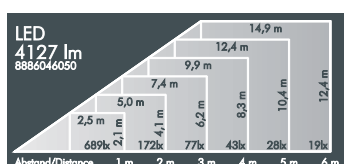
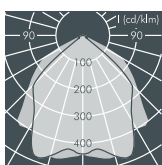


### Superlight LED 2, asymmetrical beam\*

| Part number          | Colour      | Weight | Light source        | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|---------------------|---------------|-------------------|
| <b>8 886 046 048</b> | black       | 3.0 kg | 1 x LED module 40 W | 3441 lm       | 43°               |
| <b>8 886 066 048</b> | white       |        | warm white (3000 K) |               |                   |
| <b>8 886 056 048</b> | silver grey |        |                     |               |                   |

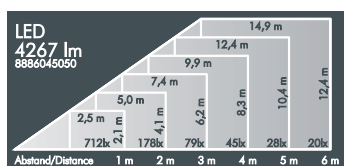


| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 886 045 048</b> | black       | 3.0 kg | 1 x LED module 40 W    | 3613 lm       | 43°               |
| <b>8 886 065 048</b> | white       |        | neutral white (4000 K) |               |                   |
| <b>8 886 055 048</b> | silver grey |        |                        |               |                   |

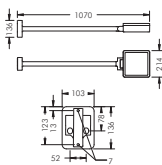


### Superlight LED 2, wide beam\*

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 886 046 058</b> | black       | 3.0 kg | 1 x LED Modul 40 W  | 4127 lm       | C 0 - 180           |
| <b>8 886 066 058</b> | white       |        | warm white (3000 K) |               | C 90 - 270          |
| <b>8 886 056 058</b> | silver grey |        |                     |               | 92°                 |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 886 045 058</b> | black       | 3.0 kg | 1 x LED Modul 40 W     | 4267 lm       | C 0 - 180           |
| <b>8 886 065 058</b> | white       |        | neutral white (4000 K) |               | C 90 - 270          |
| <b>8 886 055 058</b> | silver grey |        |                        |               | 92°                 |



| Part number        | Description                                                                                       |
|--------------------|---------------------------------------------------------------------------------------------------|
| <b>... 1 ...</b>   | <b>Luminaire with wall arm</b> , internal cable run<br>Available upon request in various lengths. |
| <b>... .. 1 ..</b> | <b>Leuchte dimmbar (DALI)</b>                                                                     |

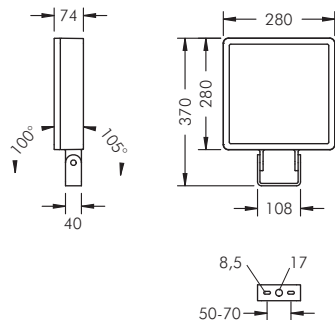
LED (see page 247)

luminaires available in 2700 K or other colour temperatures upon request



\*Luminaires with 2 cable glands are available upon request.





### Superlight LED 3

With high performance LED modules (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.08 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high efficiency reflector, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 4 stainless steel screws, mounting bracket powder coated aluminium: 2 drilled holes Ø 8.5 mm, spacing 50 - 70 mm, 1 centre hole Ø 17 mm, tilt range 205°, M20 cable gland, integral driver (AC/DC)

#### Superlight LED 3, rotationally symmetrical narrow beam\*

| Part number          | Colour      | Weight | Light source                 | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------------|---------------|---------------------|
| <b>8 887 046 018</b> | black       | 5.4 kg | 2 x LED module 43.5 W (87 W) | 8984 lm       | 16°                 |
| <b>8 887 066 018</b> | white       |        |                              |               |                     |
| <b>8 887 056 018</b> | silver grey |        | warm white (3000 K)          |               |                     |

| Part number          | Colour      | Weight | Light source                 | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------------|---------------|---------------------|
| <b>8 887 045 018</b> | black       | 5.4 kg | 2 x LED module 43.5 W (87 W) | 9278 lm       | 16°                 |
| <b>8 887 065 018</b> | white       |        |                              |               |                     |
| <b>8 887 055 018</b> | silver grey |        | neutral white (4000 K)       |               |                     |

#### Superlight LED 3, asymmetrical beam\*

| Part number          | Colour      | Weight | Light source                 | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------------|---------------|-------------------|
| <b>8 887 046 048</b> | black       | 5.4 kg | 2 x LED module 43.5 W (87 W) | 8144 lm       | 43°               |
| <b>8 887 066 048</b> | white       |        |                              |               |                   |
| <b>8 887 056 048</b> | silver grey |        | warm white (3000 K)          |               |                   |

| Part number          | Colour      | Weight | Light source                 | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------------|---------------|-------------------|
| <b>8 887 045 048</b> | black       | 5.4 kg | 2 x LED module 43.5 W (87 W) | 8573 lm       | 43°               |
| <b>8 887 065 048</b> | white       |        |                              |               |                   |
| <b>8 887 055 048</b> | silver grey |        | neutral white (4000 K)       |               |                   |

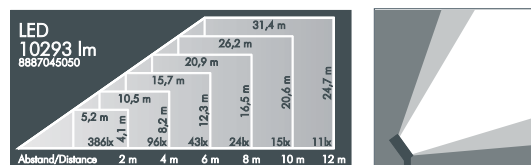
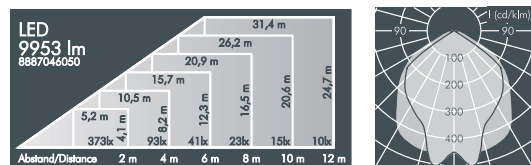
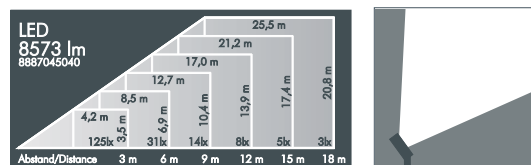
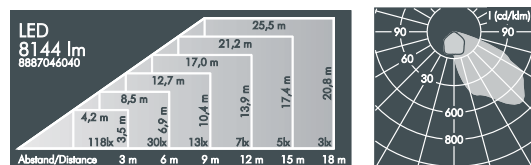
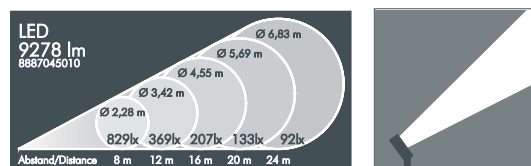
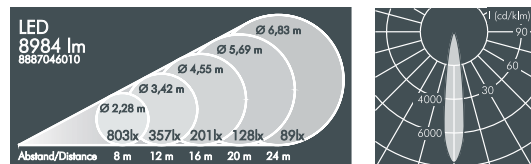
#### Superlight LED 3, wide beam\*

| Part number          | Colour      | Weight | Light source                 | Luminous flux | Beam angle γ (FWHM)  |
|----------------------|-------------|--------|------------------------------|---------------|----------------------|
| <b>8 887 046 058</b> | black       | 5.4 kg | 2 x LED module 43.5 W (87 W) | 9953 lm       | C 0 – 180 C 90 – 270 |
| <b>8 887 066 058</b> | white       |        |                              |               | 92° 105°             |
| <b>8 887 056 058</b> | silver grey |        | warm white (3000 K)          |               |                      |

| Part number          | Colour      | Weight | Light source                 | Luminous flux | Beam angle γ (FWHM)  |
|----------------------|-------------|--------|------------------------------|---------------|----------------------|
| <b>8 887 045 058</b> | black       | 5.4 kg | 2 x LED module 43.5 W (87 W) | 10293 lm      | C 0 – 180 C 90 – 270 |
| <b>8 887 065 058</b> | white       |        |                              |               | 92° 105°             |
| <b>8 887 055 058</b> | silver grey |        | neutral white (4000 K)       |               |                      |

| Part number      | Description                                                                                       |
|------------------|---------------------------------------------------------------------------------------------------|
| <b>... 1 ...</b> | <b>Luminaire with wall arm</b> , internal cable run<br>Available upon request in various lengths. |
| <b>... 1 ...</b> | <b>Dimmable version (DALI)</b>                                                                    |

\* Luminaires with 2 cable glands are available upon request.



LED (see page 247)

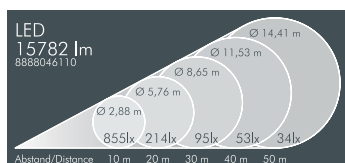
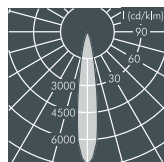
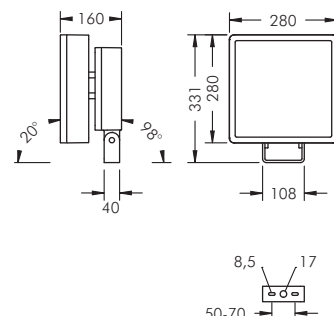
Luminaires available in 2700 K or other colour temperatures upon request





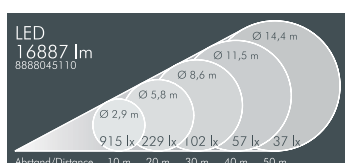
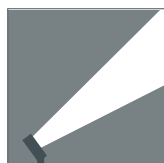
## Superlight LED 3+

With high performance LED modules (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.08 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, high efficiency reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket powder coated aluminium:  
2 drilled holes Ø 8.5 mm, spacing 50 - 70 mm,  
1 centre hole Ø 17 mm, tilt range 118°,  
M20 cable gland, integral programmable and  
DALI dimmable driver (AC/DC)

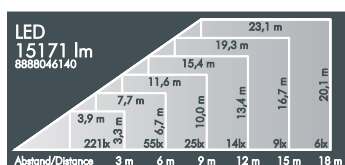
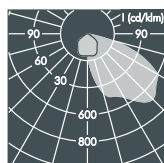


### Superlight LED 3+, rotationally symmetrical narrow beam\*

| Part number          | Colour      | Weight | Light source                | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------|---------------|---------------------|
| <b>8 888 046 118</b> | black       | 8.9 kg | 4 x LED module 39 W (156 W) | 15782 lm      | 16°                 |
| <b>8 888 066 118</b> | white       |        |                             |               |                     |
| <b>8 888 056 118</b> | silver grey |        | warm white (3000 K)         |               |                     |

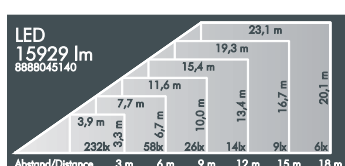


| Part number          | Colour      | Weight | Light source                | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------|---------------|---------------------|
| <b>8 888 045 118</b> | black       | 8.9 kg | 4 x LED module 39 W (156 W) | 16887 lm      | 16°                 |
| <b>8 888 065 118</b> | white       |        |                             |               |                     |
| <b>8 888 055 118</b> | silver grey |        | neutral white (4000 K)      |               |                     |

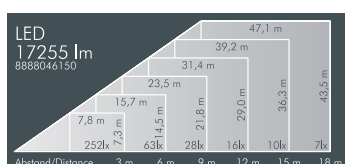
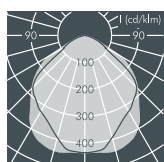


### Superlight LED 3+, asymmetrical beam\*

| Part number          | Colour      | Weight | Light source                | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------|---------------|-------------------|
| <b>8 888 046 148</b> | black       | 8.9 kg | 4 x LED module 39 W (156 W) | 15171 lm      | 45°               |
| <b>8 888 066 148</b> | white       |        |                             |               |                   |
| <b>8 888 056 148</b> | silver grey |        | warm white (3000 K)         |               |                   |

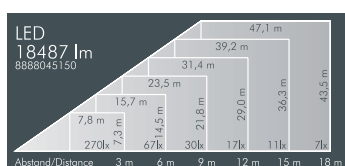


| Part number          | Colour      | Weight | Light source                | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------|---------------|-------------------|
| <b>8 888 045 148</b> | black       | 8.9 kg | 4 x LED module 39 W (156 W) | 15929 lm      | 45°               |
| <b>8 888 065 148</b> | white       |        |                             |               |                   |
| <b>8 888 055 148</b> | silver grey |        | neutral white (4000 K)      |               |                   |



### Superlight LED 3+, wide beam\*

| Part number          | Colour      | Weight | Light source                | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------|---------------|---------------------|
| <b>8 888 046 158</b> | black       | 8.9 kg | 4 x LED module 39 W (156 W) | 17255 lm      | C 0 - 180<br>101°   |
| <b>8 888 066 158</b> | white       |        |                             |               | C 90 - 270<br>105°  |
| <b>8 888 056 158</b> | silver grey |        | warm white (3000 K)         |               |                     |



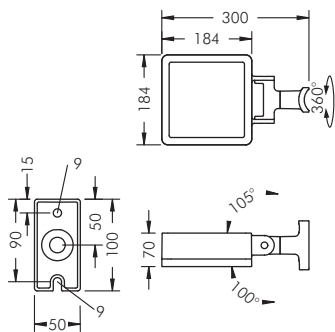
| Part number          | Colour      | Weight | Light source                | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------|---------------|---------------------|
| <b>8 888 045 158</b> | black       | 8.9 kg | 4 x LED module 39 W (156 W) | 18487 lm      | C 0 - 180<br>101°   |
| <b>8 888 065 158</b> | white       |        |                             |               | C 90 - 270<br>105°  |
| <b>8 888 055 158</b> | silver grey |        | neutral white (4000 K)      |               |                     |

\* Luminaires with 2 cable glands are available upon request.

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request

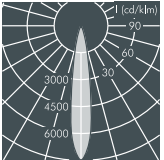
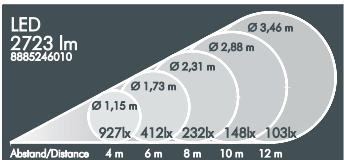




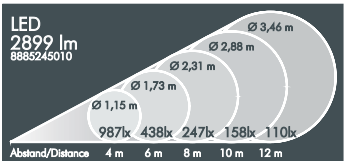
**Superlight LED 1, pole luminaire**  
With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.035 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, high efficiency reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
powder coated aluminium mounting base:  
2 drilled holes Ø 9 mm, spacing 75 mm,  
1 centre hole Ø 17 mm, tilt range 205°,  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC)

**Superlight LED 1, pole luminaire, rotationally symmetrical narrow beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 885 246 018</b> | black       | 2.6 kg | 1 x LED module 26 W<br>warm white (3000 K) | 2723 lm       | 16°                 |
| <b>8 885 266 018</b> | white       |        |                                            |               |                     |
| <b>8 885 256 018</b> | silver grey |        |                                            |               |                     |

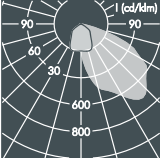
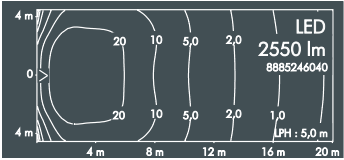


| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 885 245 018</b> | black       | 2.6 kg | 1 x LED module 26 W<br>neutral white (4000 K) | 2899 lm       | 16°                 |
| <b>8 885 265 018</b> | white       |        |                                               |               |                     |
| <b>8 885 255 018</b> | silver grey |        |                                               |               |                     |

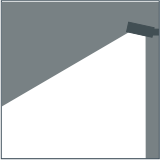
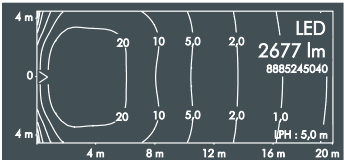


**Superlight LED 1, pole luminaire, asymmetrical beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|--------------------------------------------|---------------|-------------------|
| <b>8 885 246 048</b> | black       | 2.6 kg | 1 x LED module 26 W<br>warm white (3000 K) | 2550 lm       | 40°               |
| <b>8 885 266 048</b> | white       |        |                                            |               |                   |
| <b>8 885 256 048</b> | silver grey |        |                                            |               |                   |

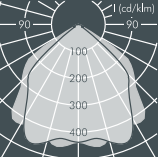


| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| <b>8 885 245 048</b> | black       | 2.6 kg | 1 x LED module 26 W<br>neutral white (4000 K) | 2677 lm       | 40°               |
| <b>8 885 265 048</b> | white       |        |                                               |               |                   |
| <b>8 885 255 048</b> | silver grey |        |                                               |               |                   |



**Superlight LED 1, pole luminaire, wide beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 885 246 058</b> | black       | 2.6 kg | 1 x LED module 26 W<br>warm white (3000 K) | 2870 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 885 266 058</b> | white       |        |                                            |               | 92°                 | 108°       |
| <b>8 885 256 058</b> | silver grey |        |                                            |               |                     |            |



| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 885 245 058</b> | black       | 2.6 kg | 1 x LED module 26 W<br>neutral white (4000 K) | 3055 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 885 265 058</b> | white       |        |                                               |               | 92°                 | 108°       |
| <b>8 885 255 058</b> | silver grey |        |                                               |               |                     |            |



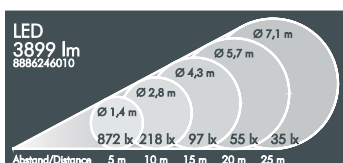
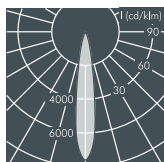
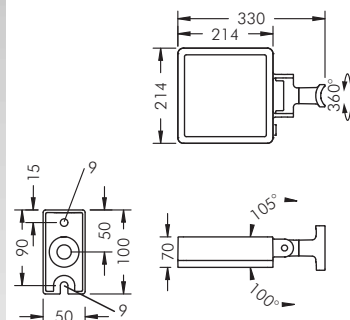
| Part number | Description                    |
|-------------|--------------------------------|
| ... 1..     | <b>Dimmable version (DALI)</b> |

**LED** (see page 247)  
Luminaires available in 2700 K or other colour temperatures upon request



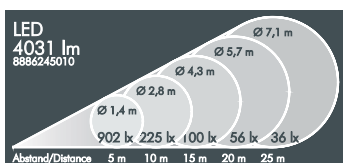
## Superlight LED 2, pole luminaire

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.047 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, high efficiency reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
powder coated aluminium mounting base:  
2 drilled holes Ø 9 mm, spacing 75 mm,  
1 centre hole Ø 17 mm, tilt range 205°,  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC)

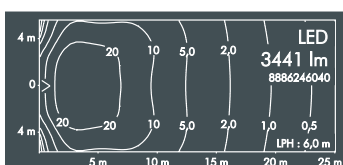
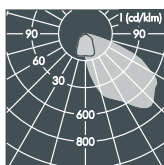


### Superlight LED 2, pole luminaire, rotationally symmetrical narrow beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 886 246 018</b> | black       | 3.2 kg | 1 x LED module 40 W<br>warm white (3000 K) | 3899 lm       | 16°                 |
| <b>8 886 266 018</b> | white       |        |                                            |               |                     |
| <b>8 886 256 018</b> | silver grey |        |                                            |               |                     |

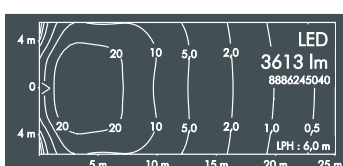
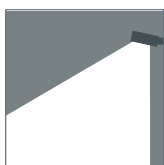


| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 886 245 018</b> | black       | 3.2 kg | 1 x LED module 40 W<br>neutral white (4000 K) | 4031 lm       | 16°                 |
| <b>8 886 265 018</b> | white       |        |                                               |               |                     |
| <b>8 886 255 018</b> | silver grey |        |                                               |               |                     |

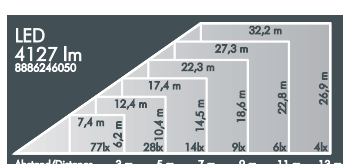
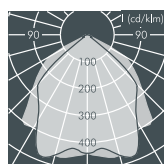


### Superlight LED 2, pole luminaire, asymmetrical beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|--------------------------------------------|---------------|-------------------|
| <b>8 886 246 048</b> | black       | 3.2 kg | 1 x LED module 40 W<br>warm white (3000 K) | 3441 lm       | 43°               |
| <b>8 886 266 048</b> | white       |        |                                            |               |                   |
| <b>8 886 256 048</b> | silver grey |        |                                            |               |                   |

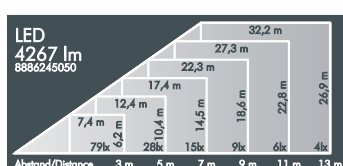
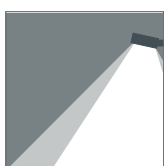


| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| <b>8 886 245 048</b> | black       | 3.2 kg | 1 x LED module 40 W<br>neutral white (4000 K) | 3613 lm       | 43°               |
| <b>8 886 265 048</b> | white       |        |                                               |               |                   |
| <b>8 886 255 048</b> | silver grey |        |                                               |               |                   |



### Superlight LED 2, pole luminaire, wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM)     |
|----------------------|-------------|--------|--------------------------------------------|---------------|-------------------------|
| <b>8 886 246 058</b> | black       | 3.2 kg | 1 x LED module 40 W<br>warm white (3000 K) | 4127 lm       | C 0 – 180<br>C 90 – 270 |
| <b>8 886 266 058</b> | white       |        |                                            |               | 92°<br>102°             |
| <b>8 886 256 058</b> | silver grey |        |                                            |               |                         |



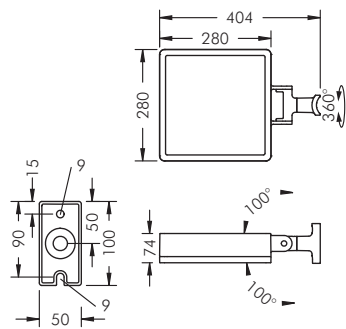
| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM)     |
|----------------------|-------------|--------|-----------------------------------------------|---------------|-------------------------|
| <b>8 886 245 058</b> | black       | 3.2 kg | 1 x LED module 40 W<br>neutral white (4000 K) | 4267 lm       | C 0 – 180<br>C 90 – 270 |
| <b>8 886 265 058</b> | white       |        |                                               |               | 92°<br>102°             |
| <b>8 886 255 058</b> | silver grey |        |                                               |               |                         |

| Part number       | Description                    |
|-------------------|--------------------------------|
| <b>..... 1 ..</b> | <b>Dimmable version (DALI)</b> |

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request





### Superlight LED 3, pole luminaire

With high performance LED modules (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.08 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, high efficiency reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
powder coated aluminium mounting base:  
2 drilled holes Ø 9 mm, spacing 75 mm,  
1 centre hole Ø 17 mm, tilt range 200°,  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC)

#### Superlight LED 3, pole luminaire, rotationally symmetrical narrow beam

| Part number          | Colour      | Weight | Light source                                           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------------------|---------------|---------------------|
| <b>8 887 246 018</b> | black       | 5.6 kg | 2 x LED module 43.5 W<br>(87 W)<br>warm white (3000 K) | 8984 lm       | 16°                 |
| <b>8 887 266 018</b> | white       |        |                                                        |               |                     |
| <b>8 887 256 018</b> | silver grey |        |                                                        |               |                     |

| Part number          | Colour      | Weight | Light source                                              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------------------|---------------|---------------------|
| <b>8 887 245 018</b> | black       | 5.6 kg | 2 x LED module 43.5 W<br>(87 W)<br>neutral white (4000 K) | 9278 lm       | 16°                 |
| <b>8 887 265 018</b> | white       |        |                                                           |               |                     |
| <b>8 887 255 018</b> | silver grey |        |                                                           |               |                     |

#### Superlight LED 3, pole luminaire, asymmetrical beam

| Part number          | Colour      | Weight | Light source                                           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|--------------------------------------------------------|---------------|-------------------|
| <b>8 887 246 048</b> | black       | 5.6 kg | 2 x LED module 43.5 W<br>(87 W)<br>warm white (3000 K) | 8144 lm       | 43°               |
| <b>8 887 266 048</b> | white       |        |                                                        |               |                   |
| <b>8 887 256 048</b> | silver grey |        |                                                        |               |                   |

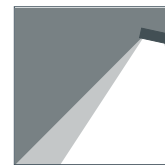
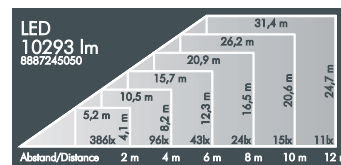
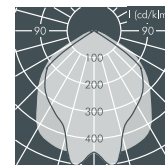
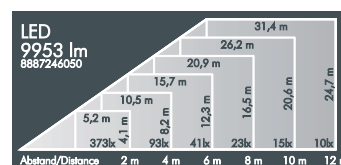
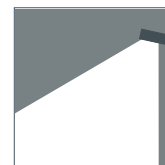
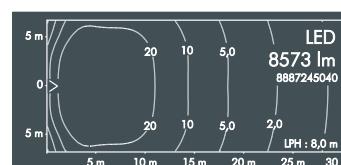
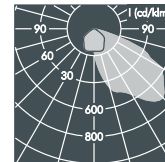
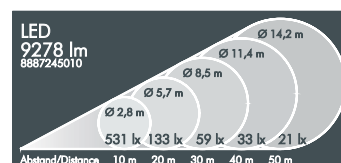
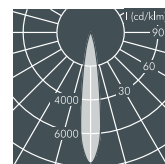
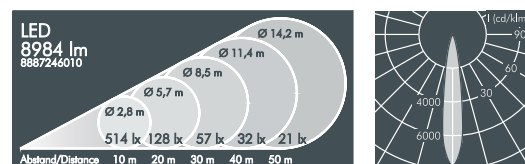
| Part number          | Colour      | Weight | Light source                                              | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------------------------------------|---------------|-------------------|
| <b>8 887 245 048</b> | black       | 5.6 kg | 2 x LED module 43.5 W<br>(87 W)<br>neutral white (4000 K) | 8573 lm       | 43°               |
| <b>8 887 265 048</b> | white       |        |                                                           |               |                   |
| <b>8 887 255 048</b> | silver grey |        |                                                           |               |                   |

#### Superlight LED 3, pole luminaire, wide beam

| Part number          | Colour      | Weight | Light source                                           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------------------|---------------|---------------------|------------|
| <b>8 887 246 058</b> | black       | 5.6 kg | 2 x LED module 43.5 W<br>(87 W)<br>warm white (3000 K) | 9953 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 887 266 058</b> | white       |        |                                                        |               | 92°                 | 105°       |
| <b>8 887 256 058</b> | silver grey |        |                                                        |               |                     |            |

| Part number          | Colour      | Weight | Light source                                              | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------------------|---------------|---------------------|------------|
| <b>8 887 245 058</b> | black       | 5.6 kg | 2 x LED module 43.5 W<br>(87 W)<br>neutral white (4000 K) | 10293 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 887 265 058</b> | white       |        |                                                           |               | 92°                 | 105°       |
| <b>8 887 255 058</b> | silver grey |        |                                                           |               |                     |            |

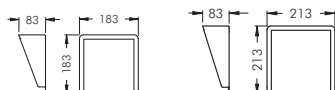
| Part number    | Description                    |
|----------------|--------------------------------|
| <b>... 1..</b> | <b>Dimmable version (DALI)</b> |



LED (see page 247)

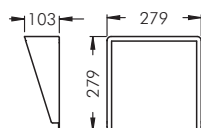
Luminaires available in 2700 K or other colour temperatures upon request





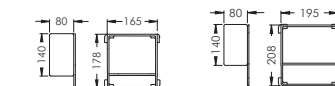
#### Accessories Superlight LED 1, LED 2

| Part number LED 1    | Part number LED 2    | Colour      | Description                                                                                          |
|----------------------|----------------------|-------------|------------------------------------------------------------------------------------------------------|
| <b>128 0 792 940</b> | <b>128 0 793 940</b> | black       | <b>Cowl</b> , aluminium,<br>to avoid glare from 3 directions,<br>for mounting on front of floodlight |
| <b>128 0 792 960</b> | <b>128 0 793 960</b> | white       |                                                                                                      |
| <b>128 0 792 950</b> | <b>128 0 793 950</b> | silver grey |                                                                                                      |



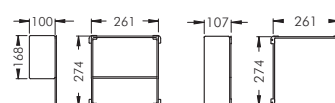
#### Accessories Superlight LED 3, LED 3+

| Part number          | Colour      | Description                                                                                          |
|----------------------|-------------|------------------------------------------------------------------------------------------------------|
| <b>128 0 794 940</b> | black       | <b>Cowl</b> , aluminium,<br>to avoid glare from 3 directions,<br>for mounting on front of floodlight |
| <b>128 0 794 960</b> | white       |                                                                                                      |
| <b>128 0 794 950</b> | silver grey |                                                                                                      |



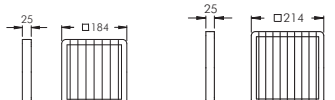
#### Accessories Superlight LED 1, LED 2

| Part number LED 1    | Part number LED 2    | Colour      | Description                                                                                                   |
|----------------------|----------------------|-------------|---------------------------------------------------------------------------------------------------------------|
| <b>128 0 797 940</b> | <b>128 0 798 940</b> | black       | <b>Barn doors</b> , aluminium,<br>to avoid glare from 4 directions,<br>variable control of light distribution |
| <b>128 0 797 960</b> | <b>128 0 798 960</b> | white       |                                                                                                               |
| <b>128 0 797 950</b> | <b>128 0 798 950</b> | silver grey |                                                                                                               |



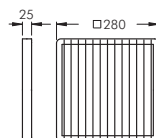
#### Accessories Superlight LED 3, LED 3+

| Part number LED 3    | Part number LED 3+   | Colour      | Description                                                                                                   |
|----------------------|----------------------|-------------|---------------------------------------------------------------------------------------------------------------|
| <b>128 0 799 940</b> | <b>128 0 909 940</b> | black       | <b>Barn doors</b> , aluminium,<br>to avoid glare from 4 directions,<br>variable control of light distribution |
| <b>128 0 799 960</b> | <b>128 0 909 960</b> | white       |                                                                                                               |
| <b>128 0 799 950</b> | <b>128 0 909 950</b> | silver grey |                                                                                                               |



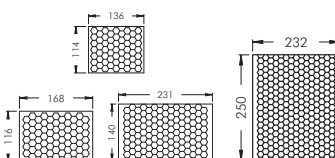
#### Accessories Superlight LED 1, LED 2

| Part number LED 1    | Part number LED 2    | Colour      | Description                                                                                                             |
|----------------------|----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 802 940</b> | <b>128 0 803 940</b> | black       | <b>Vertical/Horizontal louvre</b> ,<br>stainless steel, to reduce lateral glare,<br>for mounting on front of floodlight |
| <b>128 0 802 960</b> | <b>128 0 803 960</b> | white       |                                                                                                                         |
| <b>128 0 802 950</b> | <b>128 0 803 950</b> | silver grey |                                                                                                                         |



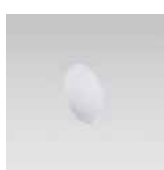
#### Accessories Superlight LED 3, LED 3+

| Part number          | Colour      | Description                                                                                                             |
|----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 804 940</b> | black       | <b>Vertical/Horizontal louvre</b> ,<br>stainless steel, to reduce lateral glare,<br>for mounting on front of floodlight |
| <b>128 0 804 960</b> | white       |                                                                                                                         |
| <b>128 0 804 950</b> | silver grey |                                                                                                                         |



#### Accessories Superlight LED 1, LED 2, LED 3, LED 3+ rotationally symmetrical narrow beam and wide beam

| Part number          | Luminaire     | Description                                                       |
|----------------------|---------------|-------------------------------------------------------------------|
| <b>128 0 810 000</b> | <b>LED 1</b>  | <b>Honeycomb louvre</b> ,<br>internally fitted,<br>to avoid glare |
| <b>128 0 811 000</b> | <b>LED 2</b>  |                                                                   |
| <b>128 0 812 000</b> | <b>LED 3</b>  |                                                                   |
| <b>128 0 908 000</b> | <b>LED 3+</b> |                                                                   |



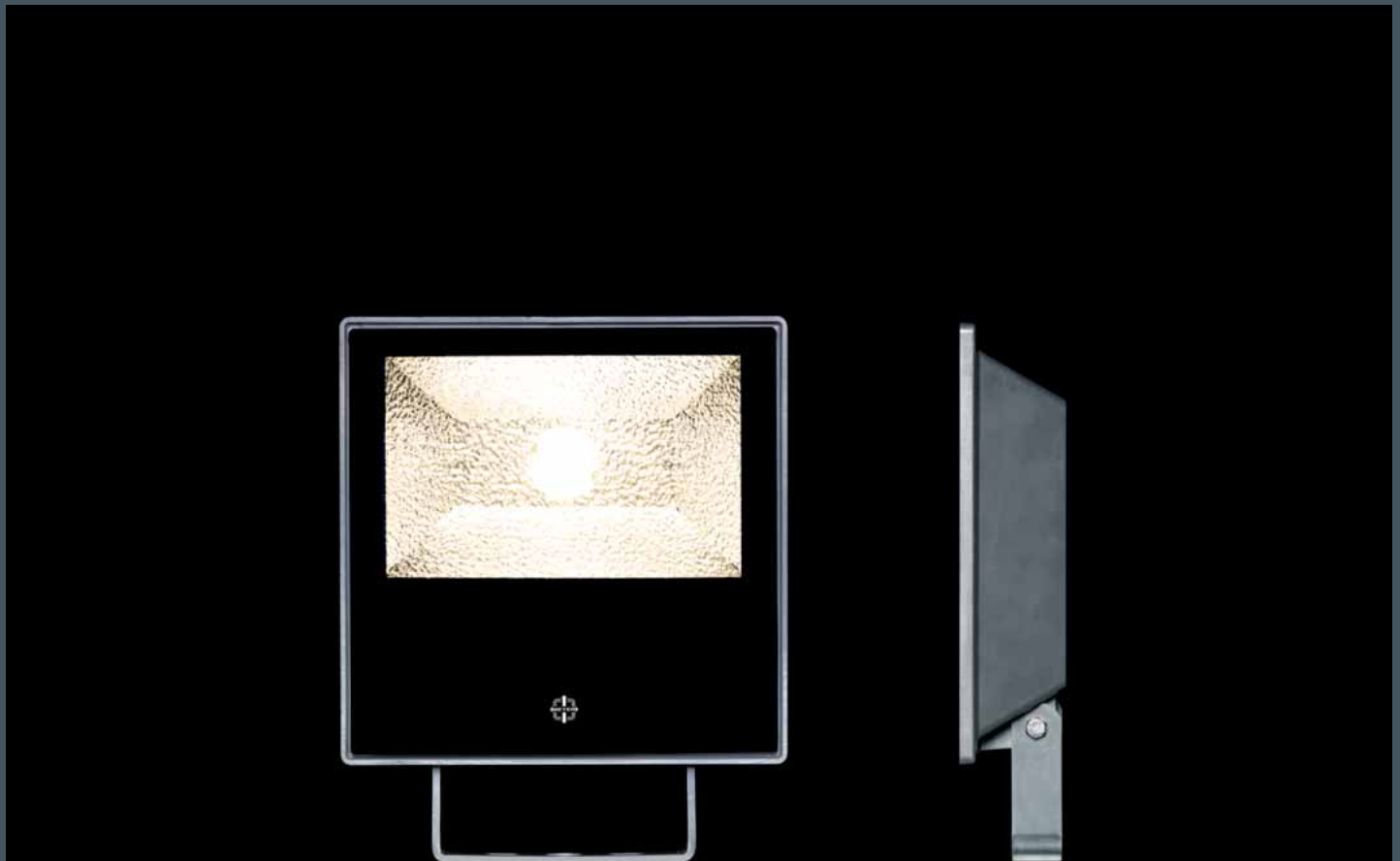
#### Accessories Superlight LED 1, LED 2, LED 3, LED 3+ rotationally symmetrical narrow beam

| Part number          | Luminaire     | Description                                                                                    | Half beam angle γ |            |
|----------------------|---------------|------------------------------------------------------------------------------------------------|-------------------|------------|
| <b>128 0 807 000</b> | <b>LED 1</b>  | <b>Ribbed glass</b> , internally fitted, for linear beam control, continuously adjustable 360° | C 0 – 180         | C 90 – 270 |
| <b>128 0 808 000</b> | <b>LED 2</b>  |                                                                                                | 20°               | 29°        |
| <b>128 0 809 000</b> | <b>LED 3</b>  |                                                                                                | 20°               | 29°        |
| <b>128 0 910 000</b> | <b>LED 3+</b> |                                                                                                | 20°               | 29°        |

**Colour filters\*, to be installed inside luminaires, are available upon request.**

\*for rotationally symmetrical narrow beam and wide beam





Ecolum is a robust, economical LED floodlight for uniform illumination of buildings and areas. The solid workmanship and the use of corrosion resistant aluminium castings ensures high durability and low-maintenance.

High efficiency and longevity of the LED module are achieved by an optimal heat management.

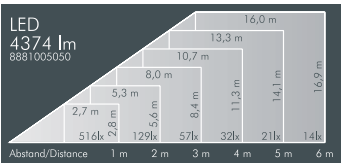
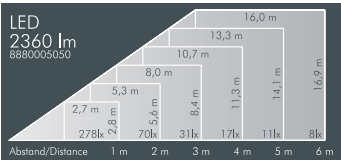
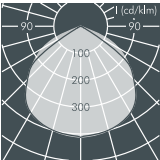
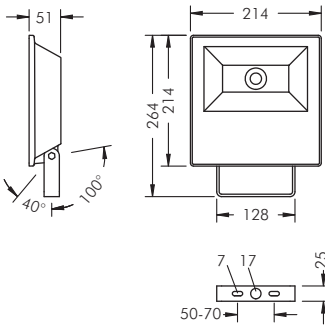
The neutral product design and the unpainted aluminium surface of the housing integrate well into different styles of architecture.





### Ecolum

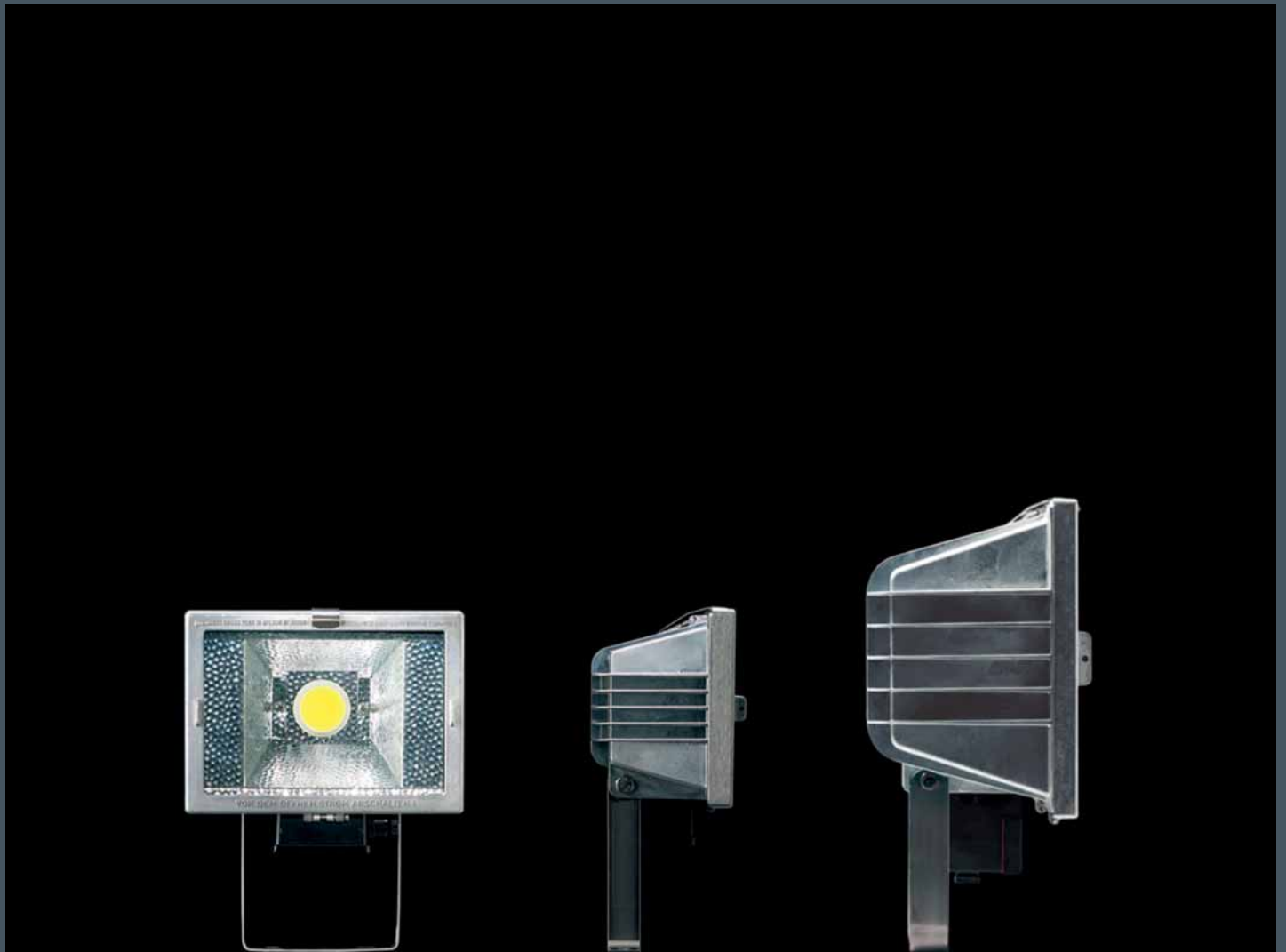
With high performance LED module (Zhaga),  
 integral temperature monitoring device,  
 CRI: > 85, Colour tolerance: max. 2 SDCM  
 Service life: L90/B10 > 50 000 h  
 protection class I, IP65 , IK08  
 windage area A<sub>W</sub> 0.047 m<sup>2</sup>  
 corrosion-resistant die cast aluminium housing AlSi12,  
 unpainted, axially symmetrical aluminium reflector with  
 stucco finish, all exterior steel parts are stainless steel,  
 tempered safety glass, silicon gasket,  
 mounting bracket aluminium:  
 2 drilled holes Ø 7 mm, spacing 50 - 70 mm,  
 1 centre hole Ø 17 mm, tilt range 140°,  
 M16 cable gland, with 0.8 m cable HO5RN-F3G1,  
 integral driver (AC/DC)



#### Ecolum, wide beam

| Part number          | Colour    | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-----------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 880 005 058</b> | unpainted | 1.5 kg | 1 x LED module 20 W<br>neutral white (4000 K) | 2360 lm       | C 0 – 180           | C 90 – 270 |
|                      |           |        |                                               |               | 109°                | 106°       |
| Part number          | Colour    | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
| <b>8 881 005 058</b> | unpainted | 1.5 kg | 1 x LED module 40 W<br>neutral white (4000 K) | 4374 lm       | C 0 – 180           | C 90 – 270 |
|                      |           |        |                                               |               | 109°                | 106°       |





This range of floodlights which is equipped with a high performance LED module of the latest generation, offers the advantages of high luminous flux and low energy consumption. The well-proven housings provide optimal heat dissipation which in turn ensures longevity of the LED module. This robust LED floodlight offers the advantages of low power consumption and minimal maintenance. This makes it an economical alternative for installations where instant light is required.

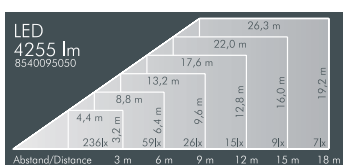
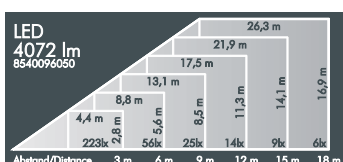
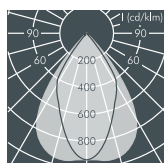
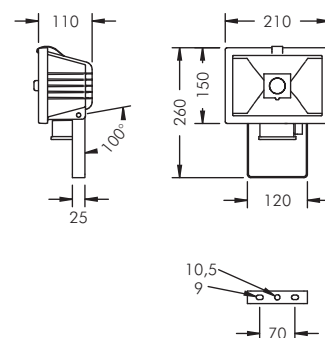


The floodlights can be connected to a separate PIR sensor and be used for security lighting.



## LED floodlight Mini

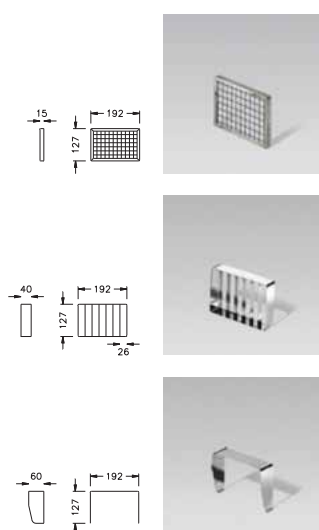
With high performance LED module (Zhaga),  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP55 , IK07  
corrosion-resistant die cast aluminium housing AISi12,  
unpainted or polyester powder coated,  
axially symmetrical highgloss reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
1 stainless steel clamp, hinged front frame,  
stainless steel mounting bracket:  
2 holes Ø 9 mm, spacing 70 mm,  
1 centre hole Ø 10.5 mm, tilt range 100°,  
PG11 cable gland, integral driver



### LED floodlight Mini, wide beam

| Part number          | Colour    | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-----------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 540 096 058</b> | unpainted | 1.6 kg | 1 x LED module 41 W<br>warm white (3000 K) | 4072 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 540 046 058</b> | black     |        |                                            |               | 56°                 | 72°        |
| <b>8 540 066 058</b> | white     |        |                                            |               |                     |            |

| Part number          | Colour    | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-----------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 540 095 058</b> | unpainted | 1.6 kg | 1 x LED module 41 W<br>neutral white (4000 K) | 4255 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 540 045 058</b> | black     |        |                                               |               | 56°                 | 72°        |
| <b>8 540 065 058</b> | white     |        |                                               |               |                     |            |



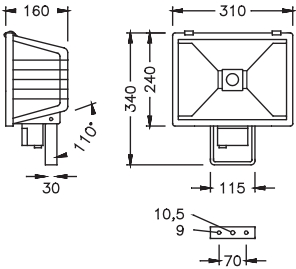
### Accessories LED floodlight Mini

| Part number          | Colour    | Description                                                                                                                                                                 |
|----------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>125 0 184 000</b> | unpainted | <b>Protection grill</b> , stainless steel,<br>to protect the glass from stone chip and vandalism,<br>for retrofitting, only one accessory per luminaire, not in combination |
| <b>125 0 184 940</b> | black     |                                                                                                                                                                             |
| <b>125 0 184 960</b> | white     |                                                                                                                                                                             |

| Part number          | Colour    | Description                                                                                                                                                                          |
|----------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>125 0 183 000</b> | unpainted | <b>Vertical louvre</b> , stainless steel,<br>to reduce lateral glare, for mounting on front of floodlight,<br>for retrofitting, only one accessory per luminaire, not in combination |
| <b>125 0 183 940</b> | black     |                                                                                                                                                                                      |
| <b>125 0 183 960</b> | white     |                                                                                                                                                                                      |

| Part number          | Colour    | Description                                                                                                                                   |
|----------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>135 0 427 000</b> | unpainted | <b>Cowl</b> , stainless steel,<br>to avoid glare from 3 directions,<br>for retrofitting, only one accessory per luminaire, not in combination |
| <b>135 0 427 940</b> | black     |                                                                                                                                               |
| <b>135 0 427 960</b> | white     |                                                                                                                                               |





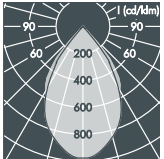
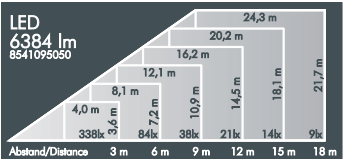
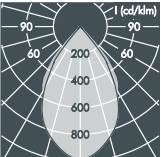
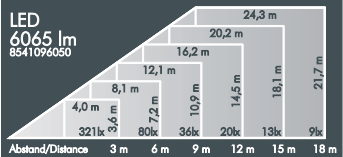
LED floodlight Maxi

With high performance LED module (Zhaga),  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP55   , IK07  
corrosion-resistant die cast aluminium housing AlSi12,  
unpainted, axially symmetrical highgloss reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
2 stainless steel clamps, hinged front frame,  
aluminium mounting bracket:  
2 holes Ø 9 mm, spacing 70 mm,  
1 centre hole Ø 10.5 mm, tilt range 110°,  
PG11 cable gland, integral driver

LED floodlight Maxi, wide beam

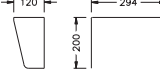
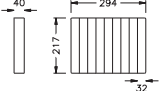
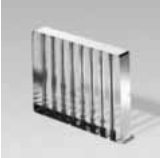
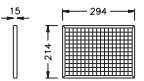
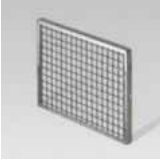
| Part number          | Colour    | Weight | Light source                               | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-----------|--------|--------------------------------------------|---------------|----------------------------|------------|
|                      |           |        |                                            |               | C 0 – 180                  | C 90 – 270 |
| <b>8 541 096 058</b> | unpainted | 3.4 kg | 1 x LED module 56 W<br>warm white (3000 K) | 6065 lm       | 62°                        | 68°        |
| <b>8 541 046 058</b> | black     |        |                                            |               |                            |            |
| <b>8 541 066 058</b> | white     |        |                                            |               |                            |            |

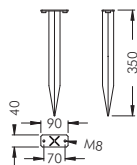
| Part number          | Colour    | Weight | Light source                                  | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-----------|--------|-----------------------------------------------|---------------|----------------------------|------------|
|                      |           |        |                                               |               | C 0 – 180                  | C 90 – 270 |
| <b>8 541 095 058</b> | unpainted | 3.4 kg | 1 x LED module 56 W<br>neutral white (4000 K) | 6384 lm       | 62°                        | 68°        |
| <b>8 541 045 058</b> | black     |        |                                               |               |                            |            |
| <b>8 541 065 058</b> | white     |        |                                               |               |                            |            |



Accessories LED floodlight Maxi

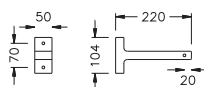
| Part number          | Colour    | Description                                                                                                                                                                           |
|----------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>125 0 177 000</b> | unpainted | <b>Protection grill</b> , stainless steel,<br>to protect the glass from stone chip and vandalism,<br>for retro-fitting, only one accessory per luminaire, not in combination          |
| Part number          | Colour    | Description                                                                                                                                                                           |
| <b>125 0 171 000</b> | unpainted | <b>Vertical louvre</b> , stainless steel,<br>to reduce lateral glare, for mounting on front of floodlight,<br>for retro-fitting, only one accessory per luminaire, not in combination |
| Part number          | Colour    | Description                                                                                                                                                                           |
| <b>135 0 412 000</b> | unpainted | <b>Cowl</b> , stainless steel,<br>to avoid glare from 3 directions,<br>for retro-fitting, only one accessory per luminaire, not in combination                                        |



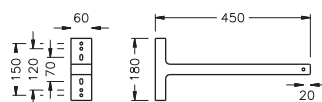


### Accessories LED floodlights Mini and Maxi

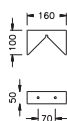
| Part number          | Colour | Description                                                           |
|----------------------|--------|-----------------------------------------------------------------------|
| <b>129 0 390 940</b> | black  | <b>Stainless steel earth spike</b> ,<br>for use in landscape lighting |



| Part number          | Colour      | Description                                                                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>125 0 160 940</b> | black       | <b>Wall bracket 220 mm</b> , aluminium,<br>polyester powder coated, allows horizontal<br>adjustment and directional aiming of luminaire |
| <b>125 0 160 960</b> | white       |                                                                                                                                         |
| <b>125 0 160 950</b> | silver grey |                                                                                                                                         |



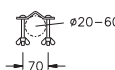
| Part number          | Colour      | Description                                                                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 294 940</b> | black       | <b>Wall bracket 450 mm</b> , aluminium,<br>polyester powder coated, allows horizontal<br>adjustment and directional aiming of luminaire |
| <b>128 0 294 960</b> | white       |                                                                                                                                         |
| <b>128 0 294 950</b> | silver grey |                                                                                                                                         |



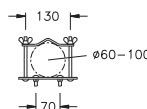
| Part number          | Colour      | Description                                                                                                        |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------|
| <b>125 0 197 940</b> | black       | <b>Corner fixing bracket A</b> , aluminium,<br>polyester powder coated,<br>for mounting floodlights on 90° corners |
| <b>125 0 197 960</b> | white       |                                                                                                                    |
| <b>125 0 197 950</b> | silver grey |                                                                                                                    |



| Part number          | Colour      | Description                                                                                                                      |
|----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 240 940</b> | black       | <b>Universal pole clamp</b> , aluminium,<br>polyester powder coated, stainless steel bolts,<br>for poles $\varnothing$ 40-110 mm |
| <b>120 0 240 960</b> | white       |                                                                                                                                  |
| <b>120 0 240 950</b> | silver grey |                                                                                                                                  |



| Part number          | Colour    | Description                                                                                                               |
|----------------------|-----------|---------------------------------------------------------------------------------------------------------------------------|
| <b>125 0 145 000</b> | unpainted | <b>Pole clamp</b> , hot dip galvanized steel,<br>for mounting floodlights on pipes and<br>poles up to $\varnothing$ 60 mm |

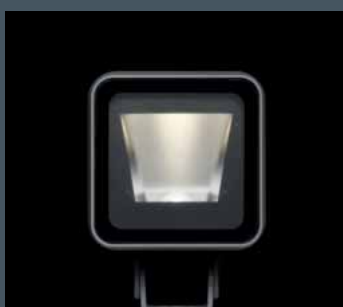


| Part number          | Colour    | Description                                                                                                                |
|----------------------|-----------|----------------------------------------------------------------------------------------------------------------------------|
| <b>125 0 146 000</b> | unpainted | <b>Pole clamp</b> , hot dip galvanized steel,<br>for mounting floodlights on pipes and<br>poles up to $\varnothing$ 100 mm |



Monoflood is a new luminaire series with precise beam control and minimalist design. The floodlights are available in four sizes and wattages. With a wide choice of different reflectors and lens optics they can be used for various different illumination tasks. The scope of applications includes uniform area lighting and accent lighting of façade details. The large variety of different light distributions makes Monoflood a versatile tool for architectural lighting.

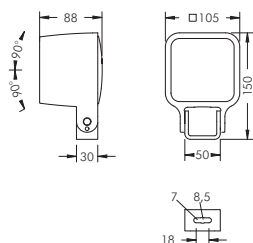
Symmetrical and asymmetrical reflectors are available for uniform illumination.  
Narrow beam optics achieve high lux levels over long distances – monochrome or with RGBW LEDs.



Monoflood pole luminaires are equipped with a tilt-and-turn fixing system. Luminaires with different sizes and light distributions can be combined. This makes customized configurations for specific lighting tasks possible.



Piece Hall, Halifax/UK  
Lighting design:  
Buro Happold Lighting, Edinburgh



**Monoflood 1  
with mounting bracket  
reflector optic**

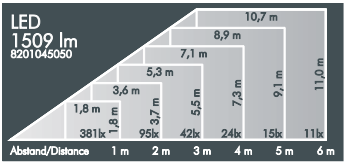
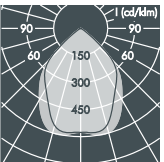
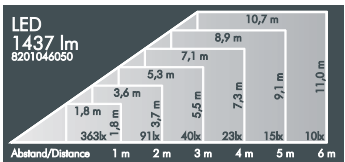
With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.01 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket: 1 elongated hole Ø 7 mm,  
spacing 18 mm, 1 centre hole Ø 8.5 mm,  
tilt range 180°, M16 cable gland,  
integral driver (AC/DC)

**Monoflood 1, axially symmetrical wide beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 201 046 058</b> | black       | 1.1 kg | 1 x LED module 14 W<br>warm white (3000 K) | 1437 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 201 066 058</b> | white       |        |                                            |               | 85°                 | 83°        |
| <b>8 201 056 058</b> | silver grey |        |                                            |               |                     |            |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 201 045 058</b> | black       | 1.1 kg | 1 x LED module 14 W<br>neutral white (4000 K) | 1509 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 201 065 058</b> | white       |        |                                               |               | 85°                 | 83°        |
| <b>8 201 055 058</b> | silver grey |        |                                               |               |                     |            |

| Part number            | Description                      |
|------------------------|----------------------------------|
| <b>. . . . . 1 . .</b> | <b>Dimmable luminaire (DALI)</b> |

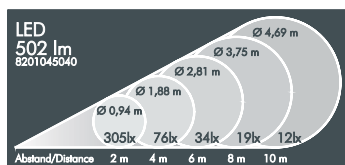
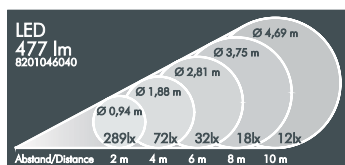
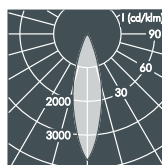
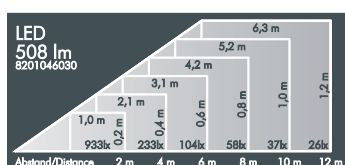
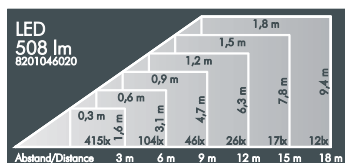
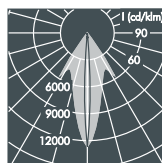
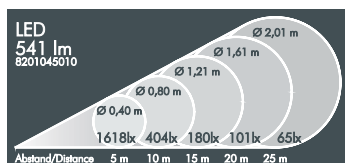
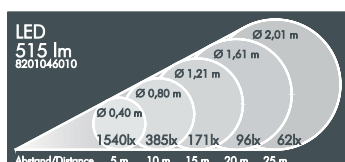
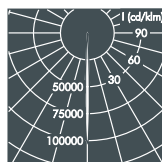
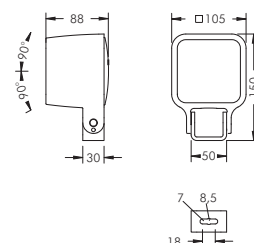


**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



## Monoflood 1 with mounting bracket lens optics

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.01 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AISi12,  
polyester powder coated,  
precise PMMA optics,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket: 1 elongated hole Ø 7 mm,  
spacing 18 mm, 1 centre hole Ø 8.5 mm,  
tilt range 180°, M16 cable gland,  
integral driver (AC/DC)



### Monoflood 1, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 201 046 018</b> | black       | 1.2 kg | 4 x LED 2.5 W       | 515 lm        | 4°                  |
| <b>8 201 066 018</b> | white       |        | (10 W)              |               |                     |
| <b>8 201 056 018</b> | silver grey |        | warm white (3000 K) |               |                     |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 201 045 018</b> | black       | 1.2 kg | 4 x LED 2.5 W          | 541 lm        | 4°                  |
| <b>8 201 065 018</b> | white       |        | (10 W)                 |               |                     |
| <b>8 201 055 018</b> | silver grey |        | neutral white (4000 K) |               |                     |

### Monoflood 1, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 201 046 028</b> | black       | 1.2 kg | 4 x LED 2.5 W       | 508 lm        | C 0 – 180           |
| <b>8 201 066 028</b> | white       |        | (10 W)              |               | 29°                 |
| <b>8 201 056 028</b> | silver grey |        | warm white (3000 K) |               | 6°                  |

### Monoflood 1, linear beam spread, horizontal

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 201 046 038</b> | black       | 1.2 kg | 4 x LED 2.5 W       | 508 lm        | C 0 – 180           |
| <b>8 201 066 038</b> | white       |        | (10 W)              |               | 6°                  |
| <b>8 201 056 038</b> | silver grey |        | warm white (3000 K) |               | 29°                 |

### Monoflood 1, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 201 046 048</b> | black       | 1.2 kg | 4 x LED 2.5 W       | 477 lm        | 27°                 |
| <b>8 201 066 048</b> | white       |        | (10 W)              |               |                     |
| <b>8 201 056 048</b> | silver grey |        | warm white (3000 K) |               |                     |

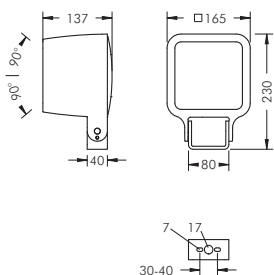
| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 201 045 048</b> | black       | 1.2 kg | 4 x LED 2.5 W          | 502 lm        | 27°                 |
| <b>8 201 065 048</b> | white       |        | (10 W)                 |               |                     |
| <b>8 201 055 048</b> | silver grey |        | neutral white (4000 K) |               |                     |

| Part number      | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                                |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





**Monoflood 2  
with mounting bracket  
reflector optic**

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area A<sub>W</sub> 0.024 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 30 - 40 mm, 1 centre hole Ø 17 mm,  
tilt range 180°, M16 cable gland,  
integral driver (AC/DC)

**Monoflood 2, axially symmetrical wide beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 202 046 058</b> | black       | 2.8 kg | 1 x LED module 27 W<br>warm white (3000 K) | 3009 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 202 066 058</b> | white       |        |                                            |               | 88°                 | 89°        |
| <b>8 202 056 058</b> | silver grey |        |                                            |               |                     |            |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 202 045 058</b> | black       | 2.8 kg | 1 x LED module 27 W<br>neutral white (4000 K) | 3159 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 202 065 058</b> | white       |        |                                               |               | 88°                 | 89°        |
| <b>8 202 055 058</b> | silver grey |        |                                               |               |                     |            |

**Monoflood 2, axially symmetrical narrow beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 202 046 068</b> | black       | 2.8 kg | 1 x LED module 27 W<br>warm white (3000 K) | 2884 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 202 066 068</b> | white       |        |                                            |               | 55°                 | 86°        |
| <b>8 202 056 068</b> | silver grey |        |                                            |               |                     |            |

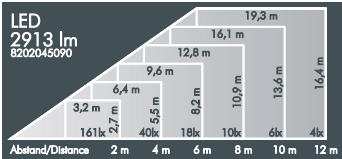
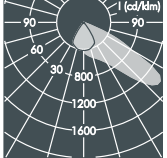
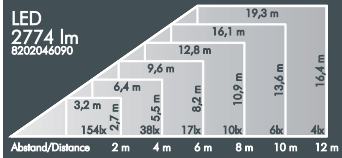
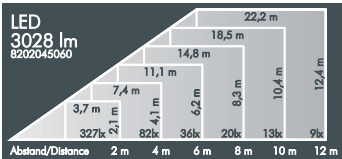
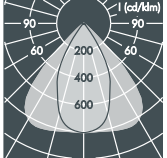
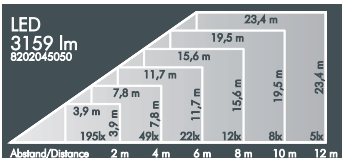
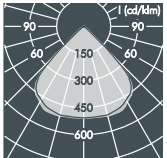
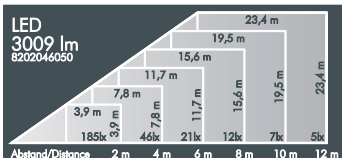
| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 202 045 068</b> | black       | 2.8 kg | 1 x LED module 27 W<br>neutral white (4000 K) | 3028 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 202 065 068</b> | white       |        |                                               |               | 55°                 | 86°        |
| <b>8 202 055 068</b> | silver grey |        |                                               |               |                     |            |

**Monoflood 2, asymmetrical beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|--------------------------------------------|---------------|-------------------|
| <b>8 202 046 098</b> | black       | 2.8 kg | 1 x LED module 27 W<br>warm white (3000 K) | 2774 lm       | 53°               |
| <b>8 202 066 098</b> | white       |        |                                            |               |                   |
| <b>8 202 056 098</b> | silver grey |        |                                            |               |                   |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| <b>8 202 045 098</b> | black       | 2.8 kg | 1 x LED module 27 W<br>neutral white (4000 K) | 2913 lm       | 53°               |
| <b>8 202 065 098</b> | white       |        |                                               |               |                   |
| <b>8 202 055 098</b> | silver grey |        |                                               |               |                   |

| Part number    | Description                      |
|----------------|----------------------------------|
| <b>... 1..</b> | <b>Dimmable luminaire (DALI)</b> |



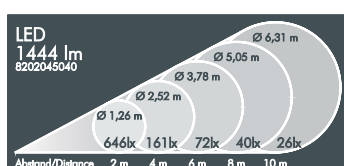
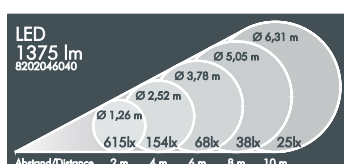
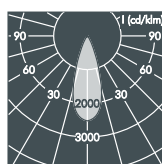
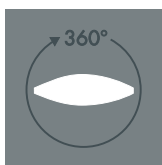
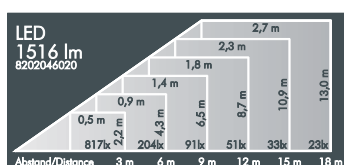
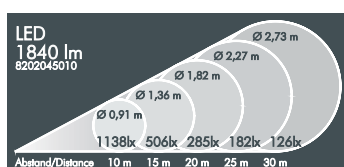
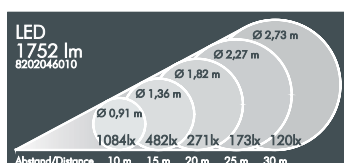
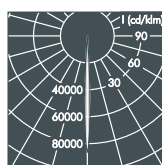
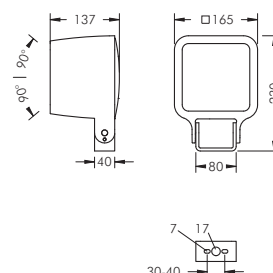
**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request





## Monoflood 2 with mounting bracket lens optics

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.024 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AISi12,  
polyester powder coated,  
precise PMMA optics,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 30 - 40 mm, 1 centre hole Ø 17 mm,  
tilt range 180°, M16 cable gland,  
integral driver (AC/DC)



### Monoflood 2, narrow beam

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 046 018</b> | black       | 3.0 kg | 5 x LED 5.6 W<br>(28 W) | 1752 lm       | 5°                  |
| <b>8 202 066 018</b> | white       |        |                         |               |                     |
| <b>8 202 056 018</b> | silver grey |        | warm white (3000 K)     |               |                     |

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 045 018</b> | black       | 3.0 kg | 5 x LED 5.6 W<br>(28 W) | 1840 lm       | 5°                  |
| <b>8 202 065 018</b> | white       |        |                         |               |                     |
| <b>8 202 055 018</b> | silver grey |        | neutral white (4000 K)  |               |                     |

### Monoflood 2, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 046 028</b> | black       | 3.0 kg | 5 x LED 5.6 W<br>(28 W) | 1516 lm       | C 0 – 180<br>40°    |
| <b>8 202 066 028</b> | white       |        |                         |               | C 90 – 270<br>9°    |
| <b>8 202 056 028</b> | silver grey |        | warm white (3000 K)     |               |                     |

### ... 3. Luminaire with linear beam spread, horizontal

### Monoflood 2, linear beam spread, rotatable

| Part number          | Colour      | Description                                                                                                                            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|
| <b>8 202 046 078</b> | black       | <b>Luminaire with external<br/>ribbed glass spreader lens,<br/>continuously adjustable through 360°<br/>from outside the luminaire</b> | 1364 lm       | C 0 – 180<br>7°     |
| <b>8 202 066 078</b> | white       |                                                                                                                                        |               | C 90 – 270<br>29°   |
| <b>8 202 056 078</b> | silver grey |                                                                                                                                        |               |                     |
|                      |             | Weight 3.2 kg                                                                                                                          |               |                     |

### Monoflood 2, medium wide beam

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 046 048</b> | black       | 3.0 kg | 5 x LED 5.6 W<br>(28 W) | 1375 lm       | 35°                 |
| <b>8 202 066 048</b> | white       |        |                         |               |                     |
| <b>8 202 056 048</b> | silver grey |        | warm white (3000 K)     |               |                     |

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 045 048</b> | black       | 3.0 kg | 5 x LED 5.6 W<br>(28 W) | 1444 lm       | 35°                 |
| <b>8 202 065 048</b> | white       |        |                         |               |                     |
| <b>8 202 055 048</b> | silver grey |        | neutral white (4000 K)  |               |                     |

| Part number      | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                                |

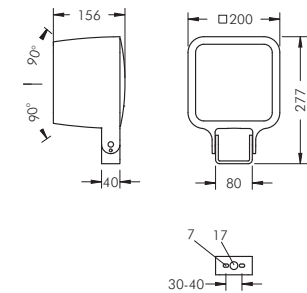
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



**Monoflood 3  
with mounting bracket  
reflector optic**

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area A<sub>W</sub> 0.032 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 30 - 40 mm, 1 centre hole Ø 17 mm,  
tilt range 180°, M20 cable gland,  
integral driver (AC/DC)



**Monoflood 3, axially symmetrical wide beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 203 046 058</b> | black       | 4.2 kg | 1 x LED module 52 W<br>warm white (3000 K) | 5252 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 203 066 058</b> | white       |        |                                            |               | 63°                 | 67°        |
| <b>8 203 056 058</b> | silver grey |        |                                            |               |                     |            |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 203 045 058</b> | black       | 4.2 kg | 1 x LED module 52 W<br>neutral white (4000 K) | 5515 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 203 065 058</b> | white       |        |                                               |               | 63°                 | 67°        |
| <b>8 203 055 058</b> | silver grey |        |                                               |               |                     |            |

**Monoflood 3, axially symmetrical narrow beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 203 046 068</b> | black       | 4.2 kg | 1 x LED module 52 W<br>warm white (3000 K) | 5092 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 203 066 068</b> | white       |        |                                            |               | 45°                 | 69°        |
| <b>8 203 056 068</b> | silver grey |        |                                            |               |                     |            |

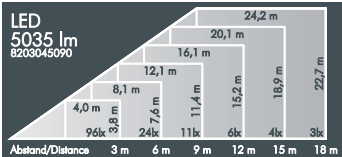
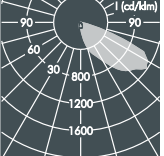
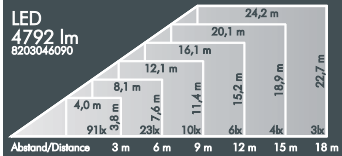
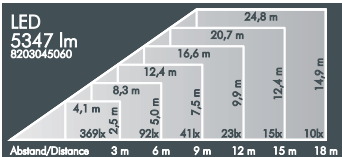
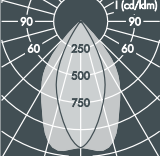
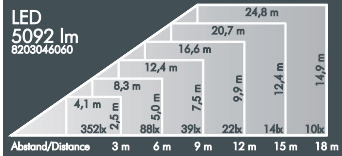
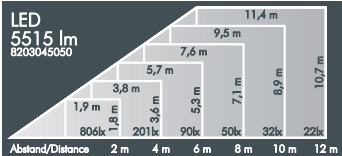
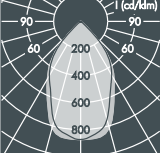
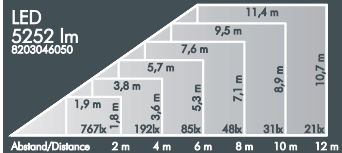
| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 203 045 068</b> | black       | 4.2 kg | 1 x LED module 52 W<br>neutral white (4000 K) | 5347 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 203 065 068</b> | white       |        |                                               |               | 45°                 | 69°        |
| <b>8 203 055 068</b> | silver grey |        |                                               |               |                     |            |

**Monoflood 3, asymmetrical beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|--------------------------------------------|---------------|-------------------|
| <b>8 203 046 098</b> | black       | 4.2 kg | 1 x LED module 52 W<br>warm white (3000 K) | 4792 lm       | 56°               |
| <b>8 203 066 098</b> | white       |        |                                            |               |                   |
| <b>8 203 056 098</b> | silver grey |        |                                            |               |                   |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| <b>8 203 045 098</b> | black       | 4.2 kg | 1 x LED module 52 W<br>neutral white (4000 K) | 5035 lm       | 56°               |
| <b>8 203 065 098</b> | white       |        |                                               |               |                   |
| <b>8 203 055 098</b> | silver grey |        |                                               |               |                   |

| Part number    | Description                      |
|----------------|----------------------------------|
| <b>... 1..</b> | <b>Dimmable luminaire (DALI)</b> |

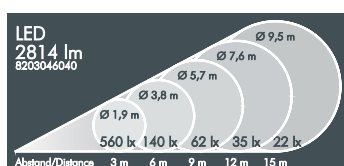
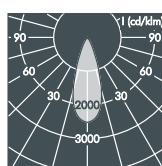
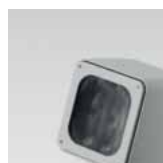
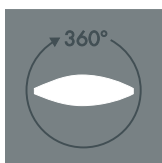
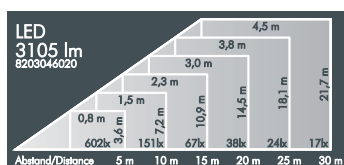
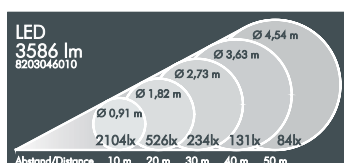
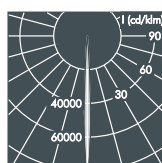
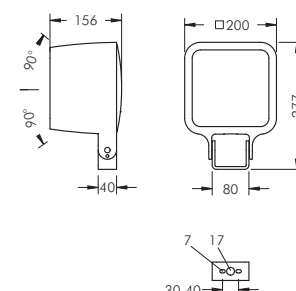


**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



## Monoflood 3 with mounting bracket lens optics

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.032 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AISi12,  
polyester powder coated,  
precise PMMA optics,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 30 - 40 mm, 1 centre hole Ø 17 mm,  
tilt range 180°, M20 cable gland,  
integral driver (AC/DC) or  
integral RGBW driver (DMX - RDM)



### Monoflood 3, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 046 018</b> | black       | 4.5 kg | 9 x LED 6 W         | 3586 lm       | 5°                  |
| <b>8 203 066 018</b> | white       |        | (54 W)              |               |                     |
| <b>8 203 056 018</b> | silver grey |        | warm white (3000 K) |               |                     |

### Monoflood 3, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 046 028</b> | black       | 4.5 kg | 9 x LED 6 W         | 3105 lm       | C 0 - 180           |
| <b>8 203 066 028</b> | white       |        | (54 W)              |               | C 90 - 270          |
| <b>8 203 056 028</b> | silver grey |        | warm white (3000 K) |               | 40°                 |

### ... 3. Luminaire with linear beam spread, horizontal

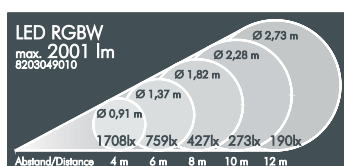
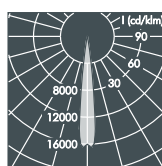
### Monoflood 3, linear beam spread, rotatable

| Part number          | Colour      | Description                          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------------------------------------|---------------|---------------------|
| <b>8 203 046 078</b> | black       | <b>Luminaire with external</b>       | 2795 lm       | C 0 - 180           |
| <b>8 203 066 078</b> | white       | <b>ribbed glass spreader lens,</b>   |               | C 90 - 270          |
| <b>8 203 056 078</b> | silver grey | continuously adjustable through 360° |               | 7°                  |
| Weight 4.7 kg        |             |                                      |               | 29°                 |

### Monoflood 3, medium wide beam

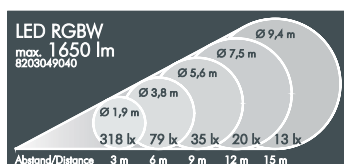
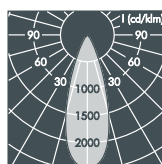
| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 046 048</b> | black       | 4.5 kg | 9 x LED 6 W         | 2814 lm       | 35°                 |
| <b>8 203 066 048</b> | white       |        | (54 W)              |               |                     |
| <b>8 203 056 048</b> | silver grey |        | warm white (3000 K) |               |                     |

| Part number      | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                                |



### Monoflood 3 RGBW, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 049 018</b> | black       | 4.6 kg | 9 x LED module RGBW | max.          | 13°                 |
| <b>8 203 069 018</b> | white       |        | W = 3000 K          | 2001 lm       |                     |
| <b>8 203 059 018</b> | silver grey |        | (max. 52 W)         |               |                     |



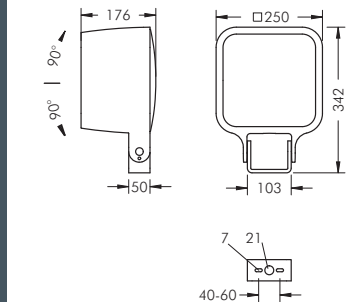
### Monoflood 3 RGBW, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 049 048</b> | black       | 4.6 kg | 9 x LED module RGBW | max.          | 35°                 |
| <b>8 203 069 048</b> | white       |        | W = 3000 K          | 1650 lm       |                     |
| <b>8 203 059 048</b> | silver grey |        | (max. 52 W)         |               |                     |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





**Monoflood 4  
with mounting bracket  
reflector optic**

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area A<sub>W</sub> 0.046 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 40 - 60 mm, 1 centre hole Ø 21 mm,  
tilt range 180°, M20 cable gland,  
integral driver (AC/DC)

**Monoflood 4, axially symmetrical wide beam**

| Part number          | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 046 058</b> | black       | 6.2 kg | 4 x LED module 25.5 W<br>(102 W)<br>warm white (3000 K) | 12131 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 204 066 058</b> | white       |        |                                                         |               | 65°                 | 66°        |
| <b>8 204 056 058</b> | silver grey |        |                                                         |               |                     |            |

| Part number          | Colour      | Weight | Light source                                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 045 058</b> | black       | 6.2 kg | 4 x LED module 25.5 W<br>(102 W)<br>neutral white (4000 K) | 12738 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 204 065 058</b> | white       |        |                                                            |               | 65°                 | 66°        |
| <b>8 204 055 058</b> | silver grey |        |                                                            |               |                     |            |

**Monoflood 4, axially symmetrical narrow beam**

| Part number          | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 046 068</b> | black       | 6.2 kg | 4 x LED module 25.5 W<br>(102 W)<br>warm white (3000 K) | 10952 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 204 066 068</b> | white       |        |                                                         |               | 43°                 | 62°        |
| <b>8 204 056 068</b> | silver grey |        |                                                         |               |                     |            |

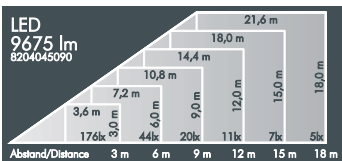
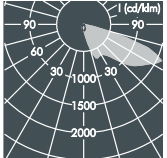
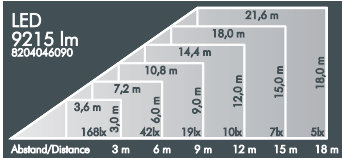
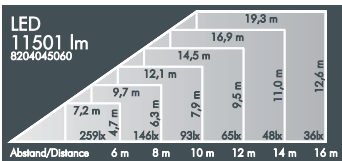
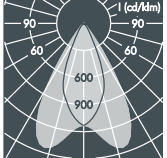
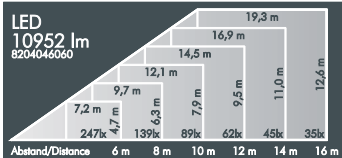
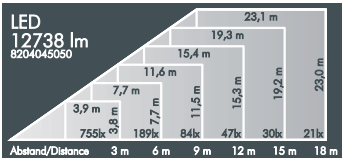
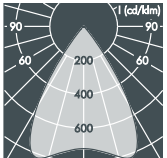
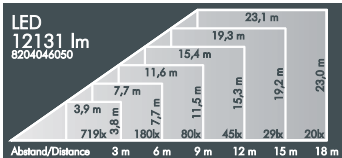
| Part number          | Colour      | Weight | Light source                                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 045 068</b> | black       | 6.2 kg | 4 x LED module 25.5 W<br>(102 W)<br>neutral white (4000 K) | 11501 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 204 065 068</b> | white       |        |                                                            |               | 43°                 | 62°        |
| <b>8 204 055 068</b> | silver grey |        |                                                            |               |                     |            |

**Monoflood 4, asymmetrical beam**

| Part number          | Colour      | Weight | Light source                                          | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-------------------------------------------------------|---------------|-------------------|
| <b>8 204 046 098</b> | black       | 6.2 kg | 2 x LED module 52 W<br>(104 W)<br>warm white (3000 K) | 9215 lm       | 65°               |
| <b>8 204 066 098</b> | white       |        |                                                       |               |                   |
| <b>8 204 056 098</b> | silver grey |        |                                                       |               |                   |

| Part number          | Colour      | Weight | Light source                                             | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|----------------------------------------------------------|---------------|-------------------|
| <b>8 204 045 098</b> | black       | 6.2 kg | 2 x LED module 52 W<br>(104 W)<br>neutral white (4000 K) | 9675 lm       | 65°               |
| <b>8 204 065 098</b> | white       |        |                                                          |               |                   |
| <b>8 204 055 098</b> | silver grey |        |                                                          |               |                   |

| Part number    | Description                      |
|----------------|----------------------------------|
| <b>... 1..</b> | <b>Dimmable luminaire (DALI)</b> |

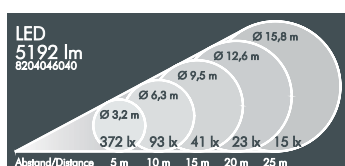
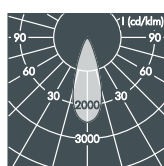
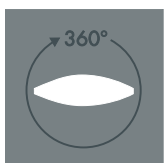
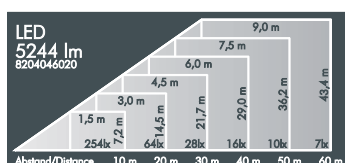
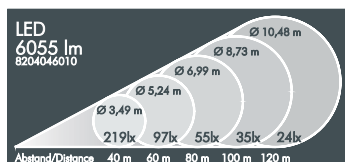
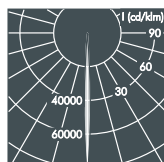
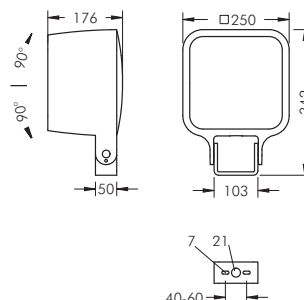


**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



## Monoflood 4 with mounting bracket lens optics

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67     IK08  
windage area AWV 0.046 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
precise PMMA optics,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 40 - 60 mm, 1 centre hole Ø 21 mm,  
tilt range 180°, M20 cable gland,  
integral driver (AC/DC) or  
integral RGBW driver (DMX - RDM)



### Monoflood 4, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|----------------------------|
| <b>8 204 046 018</b> | black       | 6.6 kg | 13 x LED 7.5 W      | 6055 lm       | 5°                         |
| <b>8 204 066 018</b> | white       |        | (98 W)              |               |                            |
| <b>8 204 056 018</b> | silver grey |        | warm white (3000 K) |               |                            |

### Monoflood 4, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source                                    | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 046 028</b> | black       | 6.6 kg | 13 x LED 7.5 W<br>(98 W)<br>warm white (3000 K) | 5244 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 204 066 028</b> | white       |        |                                                 |               | 40°                 | 9°         |
| <b>8 204 056 028</b> | silver grey |        |                                                 |               |                     |            |

|         |                                               |
|---------|-----------------------------------------------|
| .....3. | Luminaire with linear beam spread, horizontal |
|---------|-----------------------------------------------|

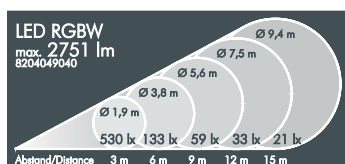
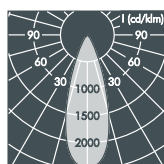
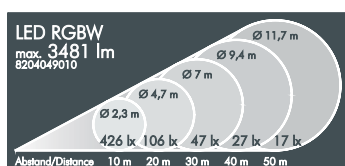
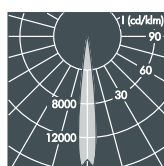
**Monoflood 4, linear beam spread, rotatable**

| Part number          | Colour      | Description                                                                                                                            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 046 078</b> | black       | <b>Luminaire with external<br/>ribbed glass spreader lens,<br/>continuously adjustable through 360°<br/>from outside the luminaire</b> | 4720 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 204 066 078</b> | white       |                                                                                                                                        |               | 7°                  | 29°        |
| <b>8 204 056 078</b> | silver grey |                                                                                                                                        |               |                     |            |
| Weight 7.2 kg        |             |                                                                                                                                        |               |                     |            |

### Monoflood 4, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|----------------------------|
| <b>8 204 046 048</b> | black       | 6.6 kg | 13 x LED 7.5 W      | 5192 lm       | 35°                        |
| <b>8 204 066 048</b> | white       |        | (98 W)              |               |                            |
| <b>8 204 056 048</b> | silver grey |        | warm white (3000 K) |               |                            |

| Part number | Description                                                     |
|-------------|-----------------------------------------------------------------|
| ... ..5 ... | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| ... ..1 ..  | <b>Dimmable luminaire (DALI)</b>                                |

**Monoflood 4 RGBW, narrow beam**

| Part number          | Colour      | Weight | Light source         | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|----------------------|---------------|----------------------------|
| <b>8 204 049 018</b> | black       | 6.9 kg | 13 x LED module RGBW | max.          | 13°                        |
| <b>8 204 069 018</b> | white       |        | W = 3000 K           | 3481 lm       |                            |
| <b>8 204 059 018</b> | silver grey |        | (max. 105 W)         |               |                            |

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**Monoflood 4 RGBW, medium wide beam**

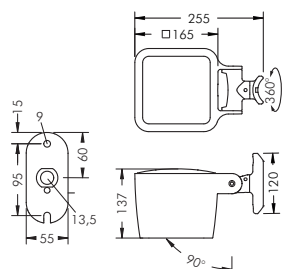
| Part number          | Colour      | Weight | Light source          | Luminous flux   | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|-----------------------|-----------------|----------------------------|
| <b>8 204 049 048</b> | black       | 6.9 kg | 13 x LED module RGBVV | max.<br>2751 lm | 35°                        |
| <b>8 204 069 048</b> | white       |        | W = 3000 K            |                 |                            |
| <b>8 204 059 048</b> | silver grey |        | (max. 105 W)          |                 |                            |

**LED** (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request







## Monoflood 2 pole luminaire reflector optic

With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 , IK08 windage area A<sub>W</sub> 0.026 m<sup>2</sup> corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, highly efficient aluminium reflector or lens made of optical silicon (Street Optic), all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 4 stainless steel screws, for installation on poles Ø 60 - 100 mm, tiltable base made of powder coated aluminium, 2 drilled holes Ø 9 mm, spacing 95 mm, 1 drilled hole Ø 13.5 mm, tilt range 90° swivel range 360°, M16 cable gland, integral driver (AC/DC)

### Monoflood 2 pole luminaire, axially symmetrical wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 202 246 058</b> | black       | 3.0 kg | 1 x LED module 27 W | 3009 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 202 266 058</b> | white       |        | warm white (3000 K) |               | 88°                 | 89°        |
| <b>8 202 256 058</b> | silver grey |        |                     |               |                     |            |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 202 245 058</b> | black       | 3.0 kg | 1 x LED module 27 W    | 3159 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 202 265 058</b> | white       |        | neutral white (4000 K) |               | 88°                 | 89°        |
| <b>8 202 255 058</b> | silver grey |        |                        |               |                     |            |

### Monoflood 2 pole luminaire, axially symmetrical narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 202 246 068</b> | black       | 3.0 kg | 1 x LED module 27 W | 2884 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 202 266 068</b> | white       |        | warm white (3000 K) |               | 55°                 | 86°        |
| <b>8 202 256 068</b> | silver grey |        |                     |               |                     |            |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 202 245 068</b> | black       | 3.0 kg | 1 x LED module 27 W    | 3028 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 202 265 068</b> | white       |        | neutral white (4000 K) |               | 55°                 | 86°        |
| <b>8 202 255 068</b> | silver grey |        |                        |               |                     |            |

### Monoflood 2 pole luminaire, asymmetrical beam

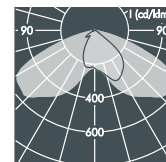
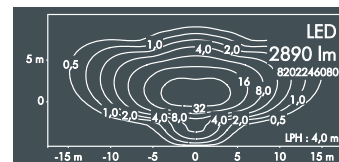
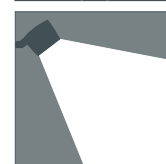
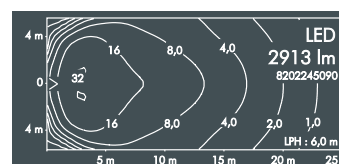
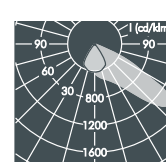
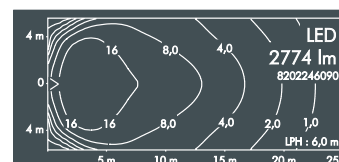
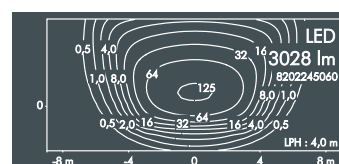
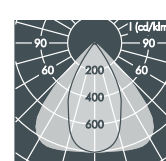
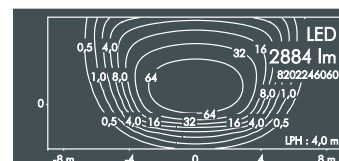
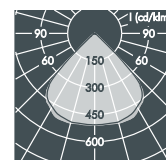
| Part number          | Colour      | Weight | Light source        | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|---------------------|---------------|-------------------|
| <b>8 202 246 098</b> | black       | 3.0 kg | 1 x LED module 27 W | 2774 lm       | 53°               |
| <b>8 202 266 098</b> | white       |        | warm white (3000 K) |               |                   |
| <b>8 202 256 098</b> | silver grey |        |                     |               |                   |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 202 245 098</b> | black       | 3.0 kg | 1 x LED module 27 W    | 2913 lm       | 53°               |
| <b>8 202 265 098</b> | white       |        | neutral white (4000 K) |               |                   |
| <b>8 202 255 098</b> | silver grey |        |                        |               |                   |

### Monoflood 2 pole luminaire, Street Optic

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 202 246 088</b> | black       | 3.3 kg | 1 x LED module 27 W | 2890 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 202 266 088</b> | white       |        | warm white (3000 K) |               | 51°                 | 121°       |
| <b>8 202 256 088</b> | silver grey |        |                     |               |                     |            |

| Part number      | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ..</b>  | <b>Dimmable luminaire (DALI)</b>                                |



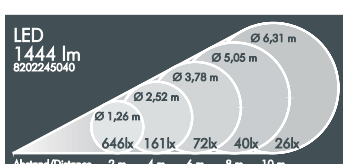
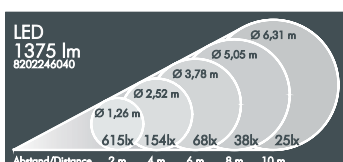
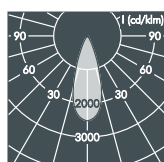
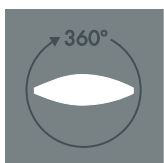
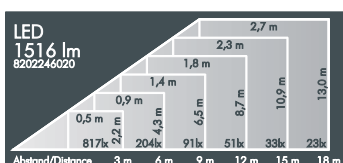
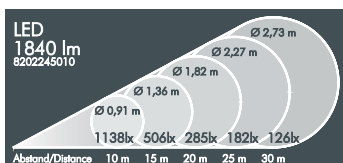
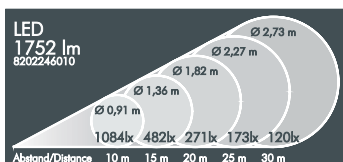
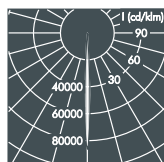
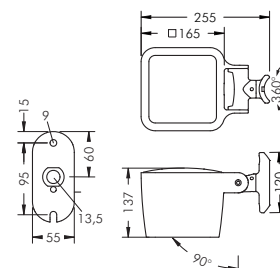
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



## Monoflood 2 pole luminaire lens optics

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.026 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AISi12,  
polyester powder coated,  
precise PMMA optics,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 drilled hole Ø 13.5 mm, tilt range 90°  
swivel range 360°, M16 cable gland,  
integral driver (AC/DC)



### Monoflood 2 pole luminaire, narrow beam

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 246 018</b> | black       | 3.2 kg | 5 x LED 5.6 W<br>(28 W) | 1752 lm       | 5°                  |
| <b>8 202 266 018</b> | white       |        |                         |               |                     |
| <b>8 202 256 018</b> | silver grey |        | warm white (3000 K)     |               |                     |

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 245 018</b> | black       | 3.2 kg | 5 x LED 5.6 W<br>(28 W) | 1840 lm       | 5°                  |
| <b>8 202 265 018</b> | white       |        |                         |               |                     |
| <b>8 202 255 018</b> | silver grey |        | neutral white (4000 K)  |               |                     |

### Monoflood 2 pole luminaire, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 246 028</b> | black       | 3.2 kg | 5 x LED 5.6 W<br>(28 W) | 1516 lm       | C 0 - 180<br>40°    |
| <b>8 202 266 028</b> | white       |        |                         |               | C 90 - 270<br>9°    |
| <b>8 202 256 028</b> | silver grey |        | warm white (3000 K)     |               |                     |

### Monoflood 2 pole luminaire, linear beam spread, rotatable

| Part number          | Colour      | Description                                                        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------------------------------------------------------------------|---------------|---------------------|
| <b>8 202 246 078</b> | black       | <b>Luminaire with external</b>                                     | 1364 lm       | C 0 - 180<br>7°     |
| <b>8 202 266 078</b> | white       | <b>ribbed glass spreader lens,</b>                                 |               | C 90 - 270<br>29°   |
| <b>8 202 256 078</b> | silver grey | continuously adjustable through 360°<br>from outside the luminaire |               |                     |
|                      |             | Weight 3.4 kg                                                      |               |                     |

### Monoflood 2 pole luminaire, medium wide beam

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 246 048</b> | black       | 3.2 kg | 5 x LED 5.6 W<br>(28 W) | 1375 lm       | 35°                 |
| <b>8 202 266 048</b> | white       |        |                         |               |                     |
| <b>8 202 256 048</b> | silver grey |        | warm white (3000 K)     |               |                     |

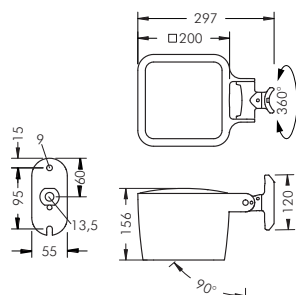
| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 202 245 048</b> | black       | 3.2 kg | 5 x LED 5.6 W<br>(28 W) | 1444 lm       | 35°                 |
| <b>8 202 265 048</b> | white       |        |                         |               |                     |
| <b>8 202 255 048</b> | silver grey |        | neutral white (4000 K)  |               |                     |

| Part number | Description                                                     |
|-------------|-----------------------------------------------------------------|
| <b>5</b>    | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>1</b>    | <b>Dimmable luminaire (DALI)</b>                                |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





### Monoflood 3 pole luminaire reflector optic

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area A<sub>W</sub> 0.034 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector or  
lens made of optical silicon (Street Optic),  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 drilled hole Ø 13.5 mm, tilt range 90°  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC)

#### Monoflood 3 pole luminaire, axially symmetrical wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 203 246 058</b> | black       | 4.4 kg | 1 x LED module 52 W<br>warm white (3000 K) | 5252 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 203 266 058</b> | white       |        |                                            |               | 63°                 | 67°        |
| <b>8 203 256 058</b> | silver grey |        |                                            |               |                     |            |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 203 245 058</b> | black       | 4.4 kg | 1 x LED module 52 W<br>neutral white (4000 K) | 5515 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 203 265 058</b> | white       |        |                                               |               | 63°                 | 67°        |
| <b>8 203 255 058</b> | silver grey |        |                                               |               |                     |            |

#### Monoflood 3 pole luminaire, axially symmetrical narrow beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 203 246 068</b> | black       | 4.4 kg | 1 x LED module 52 W<br>warm white (3000 K) | 5092 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 203 266 068</b> | white       |        |                                            |               | 45°                 | 69°        |
| <b>8 203 256 068</b> | silver grey |        |                                            |               |                     |            |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 203 245 068</b> | black       | 4.4 kg | 1 x LED module 52 W<br>neutral white (4000 K) | 5347 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 203 265 068</b> | white       |        |                                               |               | 45°                 | 69°        |
| <b>8 203 255 068</b> | silver grey |        |                                               |               |                     |            |

#### Monoflood 3 pole luminaire, asymmetrical beam

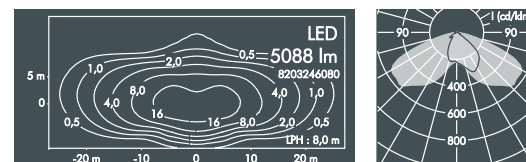
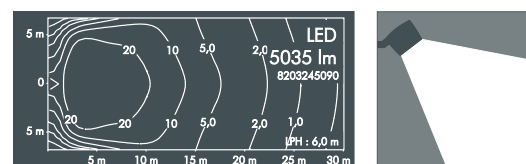
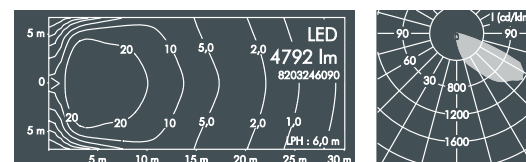
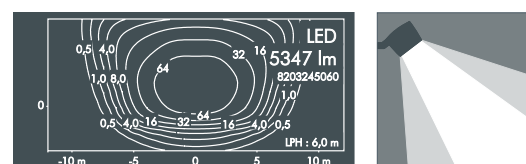
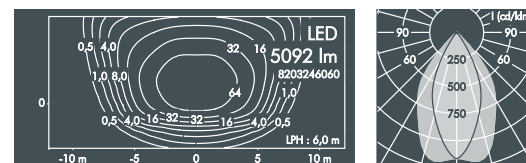
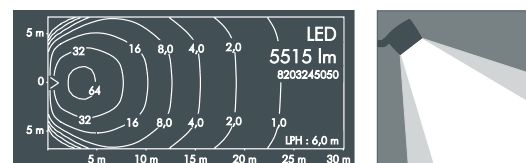
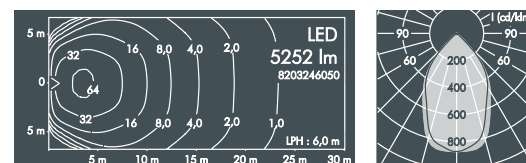
| Part number          | Colour      | Weight | Light source                               | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|--------------------------------------------|---------------|-------------------|
| <b>8 203 246 098</b> | black       | 4.4 kg | 1 x LED module 52 W<br>warm white (3000 K) | 4792 lm       | 56°               |
| <b>8 203 266 098</b> | white       |        |                                            |               |                   |
| <b>8 203 256 098</b> | silver grey |        |                                            |               |                   |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| <b>8 203 245 098</b> | black       | 4.4 kg | 1 x LED module 52 W<br>neutral white (4000 K) | 5035 lm       | 56°               |
| <b>8 203 265 098</b> | white       |        |                                               |               |                   |
| <b>8 203 255 098</b> | silver grey |        |                                               |               |                   |

#### Monoflood 3 pole luminaire, Street Optic

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 203 246 088</b> | black       | 4.7 kg | 1 x LED module 52 W<br>warm white (3000 K) | 5088 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 203 266 088</b> | white       |        |                                            |               | 51°                 | 121°       |
| <b>8 203 256 088</b> | silver grey |        |                                            |               |                     |            |

| Part number              | Description                                                     |
|--------------------------|-----------------------------------------------------------------|
| <b>. . . . . 5 . . .</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire (DALI)</b>                                |



LED (see page 247)

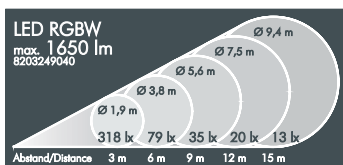
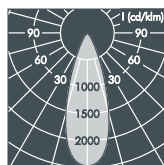
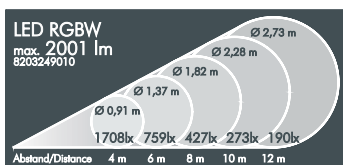
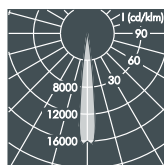
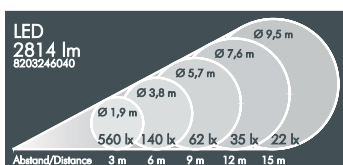
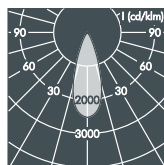
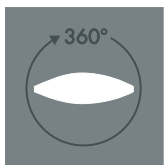
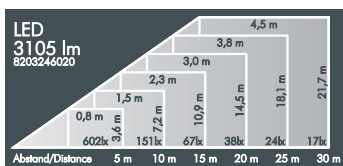
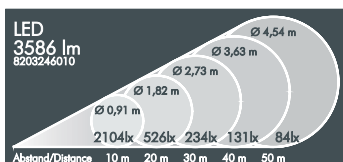
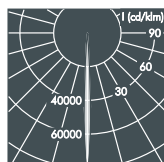
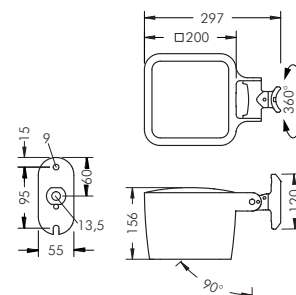
Luminaires available in 2700 K and other colour temperatures upon request





## Monoflood 3 pole luminaire lens optics

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.034 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AISi12,  
polyester powder coated,  
precise PMMA optics,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 drilled hole Ø 13.5 mm, tilt range 90°  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC) or  
integral RGBW driver (DMX - RDM)



LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



### Monoflood 3 pole luminaire, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 246 018</b> | black       | 4.7 kg | 9 x LED 6 W         | 3586 lm       | 5°                  |
| <b>8 203 266 018</b> | white       |        | (54 W)              |               |                     |
| <b>8 203 256 018</b> | silver grey |        | warm white (3000 K) |               |                     |

### Monoflood 3 pole luminaire, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 246 028</b> | black       | 4.7 kg | 9 x LED 6 W         | 3105 lm       | C 0 - 180           |
| <b>8 203 266 028</b> | white       |        | (54 W)              |               | C 90 - 270          |
| <b>8 203 256 028</b> | silver grey |        | warm white (3000 K) |               | 40°                 |

### ... .3. Luminaire with linear beam spread, horizontal

### Monoflood 3 pole luminaire, linear beam spread, rotatable

| Part number          | Colour      | Description                          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------------------------------------|---------------|---------------------|
| <b>8 203 246 078</b> | black       | <b>Luminaire with external</b>       | 2795 lm       | C 0 - 180           |
| <b>8 203 266 078</b> | white       | <b>ribbed glass spreader lens,</b>   |               | C 90 - 270          |
| <b>8 203 256 078</b> | silver grey | continuously adjustable through 360° |               | 7°                  |
| Weight 4.9 kg        |             |                                      |               | 29°                 |

### Monoflood 3 pole luminaire, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 246 048</b> | black       | 4.7 kg | 9 x LED 6 W         | 2814 lm       | 35°                 |
| <b>8 203 266 048</b> | white       |        | (54 W)              |               |                     |
| <b>8 203 256 048</b> | silver grey |        | warm white (3000 K) |               |                     |

### Part number Description

... .5 ... **Luminaire with neutral white colour temperature (4000 K)**

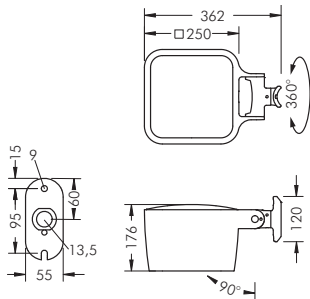
... .1 ... **Dimmable luminaire (DALI)**

### Monoflood 3 RGBW pole luminaire, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 249 018</b> | black       | 4.8 kg | 9 x LED module RGBW | max.          | 13°                 |
| <b>8 203 269 018</b> | white       |        | W = 3000 K          | 2001 lm       |                     |
| <b>8 203 259 018</b> | silver grey |        | (max. 52 W)         |               |                     |

### Monoflood 3 RGBW pole luminaire, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 203 249 048</b> | black       | 4.8 kg | 9 x LED module RGBW | max.          | 35°                 |
| <b>8 203 269 048</b> | white       |        | W = 3000 K          | 1650 lm       |                     |
| <b>8 203 259 048</b> | silver grey |        | (max. 52 W)         |               |                     |



**Monoflood 4  
pole luminaire  
reflector optic**

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area A<sub>W</sub> 0.048 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 drilled hole Ø 13.5 mm, tilt range 90°  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC)

**Monoflood 4 pole luminaire, axially symmetrical wide beam**

| Part number          | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 246 058</b> | black       | 6.5 kg | 4 x LED module 25.5 W<br>(102 W)<br>warm white (3000 K) | 12131 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 204 266 058</b> | white       |        |                                                         |               | 65°                 | 66°        |
| <b>8 204 256 058</b> | silver grey |        |                                                         |               |                     |            |

| Part number          | Colour      | Weight | Light source                                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 245 058</b> | black       | 6.5 kg | 4 x LED module 25.5 W<br>(102 W)<br>neutral white (4000 K) | 12738 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 204 265 058</b> | white       |        |                                                            |               | 65°                 | 66°        |
| <b>8 204 255 058</b> | silver grey |        |                                                            |               |                     |            |

**Monoflood 4 pole luminaire, axially symmetrical narrow beam**

| Part number          | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 246 068</b> | black       | 6.5 kg | 4 x LED module 25.5 W<br>(102 W)<br>warm white (3000 K) | 10952 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 204 266 068</b> | white       |        |                                                         |               | 43°                 | 62°        |
| <b>8 204 256 068</b> | silver grey |        |                                                         |               |                     |            |

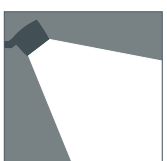
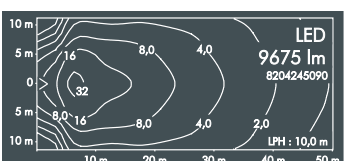
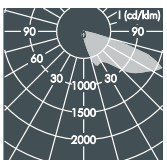
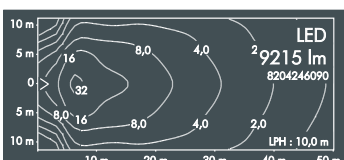
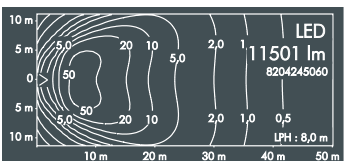
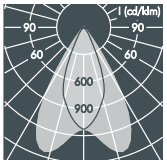
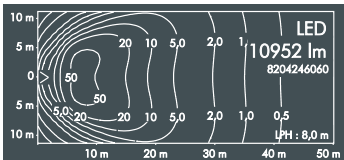
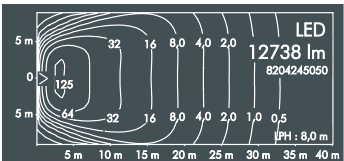
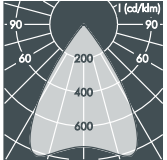
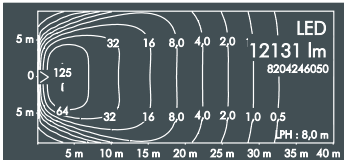
| Part number          | Colour      | Weight | Light source                                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------------------|---------------|---------------------|------------|
| <b>8 204 245 068</b> | black       | 6.5 kg | 4 x LED module 25.5 W<br>(102 W)<br>neutral white (4000 K) | 11501 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 204 265 068</b> | white       |        |                                                            |               | 43°                 | 62°        |
| <b>8 204 255 068</b> | silver grey |        |                                                            |               |                     |            |

**Monoflood 4 pole luminaire, asymmetrical beam**

| Part number          | Colour      | Weight | Light source                                          | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-------------------------------------------------------|---------------|-------------------|
| <b>8 204 246 098</b> | black       | 6.5 kg | 2 x LED module 52 W<br>(104 W)<br>warm white (3000 K) | 9215 lm       | 65°               |
| <b>8 204 266 098</b> | white       |        |                                                       |               |                   |
| <b>8 204 256 098</b> | silver grey |        |                                                       |               |                   |

| Part number          | Colour      | Weight | Light source                                             | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|----------------------------------------------------------|---------------|-------------------|
| <b>8 204 245 098</b> | black       | 6.5 kg | 2 x LED module 52 W<br>(104 W)<br>neutral white (4000 K) | 9675 lm       | 65°               |
| <b>8 204 265 098</b> | white       |        |                                                          |               |                   |
| <b>8 204 255 098</b> | silver grey |        |                                                          |               |                   |

| Part number    | Description                      |
|----------------|----------------------------------|
| <b>... 1..</b> | <b>Dimmable luminaire (DALI)</b> |

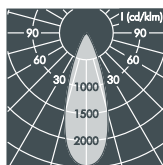
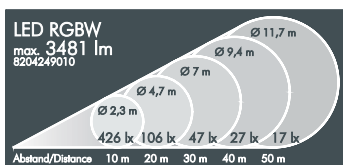
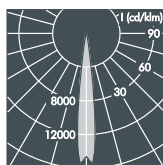
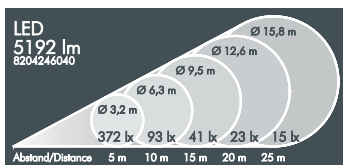
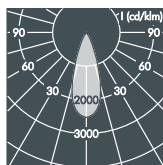
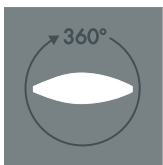
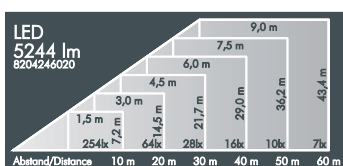
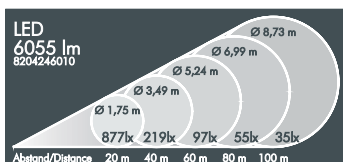
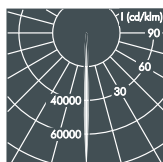
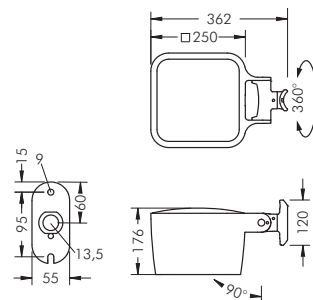


**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



## Monoflood 4 pole luminaire lens optics

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.048 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AISi12,  
polyester powder coated,  
precise PMMA optics,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 drilled hole Ø 13.5 mm, tilt range 90°,  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC) or  
integral RGBW driver (DMX - RDM)



LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



### Monoflood 4 pole luminaire, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 204 246 018</b> | black       | 6.9 kg | 13 x LED 7.5 W      | 6055 lm       | 5°                  |
| <b>8 204 266 018</b> | white       |        | (98 W)              |               |                     |
| <b>8 204 256 018</b> | silver grey |        | warm white (3000 K) |               |                     |

### Monoflood 4 pole luminaire, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 204 246 028</b> | black       | 6.9 kg | 13 x LED 7.5 W      | 5244 lm       | C 0 – 180           |
| <b>8 204 266 028</b> | white       |        | (98 W)              |               | 40°                 |
| <b>8 204 256 028</b> | silver grey |        | warm white (3000 K) |               | 9°                  |

### ... 3. Luminaire with linear beam spread, horizontal

### Monoflood 4 pole luminaire, linear beam spread, rotatable

| Part number          | Colour      | Description                          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------------------------------------|---------------|---------------------|
| <b>8 204 246 078</b> | black       | <b>Luminaire with external</b>       | 4720 lm       | C 0 – 180           |
| <b>8 204 266 078</b> | white       | <b>ribbed glass spreader lens,</b>   |               | 7°                  |
| <b>8 204 256 078</b> | silver grey | continuously adjustable through 360° |               | 29°                 |
| Weight 7.5 kg        |             |                                      |               |                     |

### Monoflood 4 pole luminaire, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 204 246 048</b> | black       | 6.9 kg | 13 x LED 7.5 W      | 5192 lm       | 35°                 |
| <b>8 204 266 048</b> | white       |        | (98 W)              |               |                     |
| <b>8 204 256 048</b> | silver grey |        | warm white (3000 K) |               |                     |

| Part number      | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                                |

### Monoflood 4 RGBW pole luminaire, narrow beam

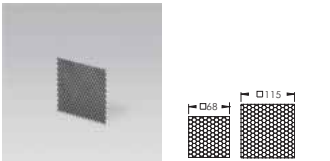
| Part number          | Colour      | Weight | Light source         | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|----------------------|---------------|---------------------|
| <b>8 204 249 018</b> | black       | 7.2 kg | 13 x LED module RGBW | max.          | 13°                 |
| <b>8 204 269 018</b> | white       |        | W = 3000 K           | 3481 lm       |                     |
| <b>8 204 259 018</b> | silver grey |        | (max. 105 W)         |               |                     |

### Monoflood 4 RGBW pole luminaire, medium wide beam

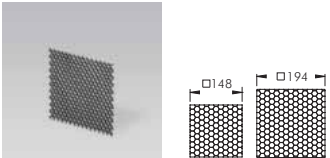
| Part number          | Colour      | Weight | Light source         | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|----------------------|---------------|---------------------|
| <b>8 204 249 048</b> | black       | 7.2 kg | 13 x LED module RGBW | max.          | 35°                 |
| <b>8 204 269 048</b> | white       |        | W = 3000 K           | 2751 lm       |                     |
| <b>8 204 259 048</b> | silver grey |        | (max. 105 W)         |               |                     |

Accessories Monoflood internal, **factory fitted**

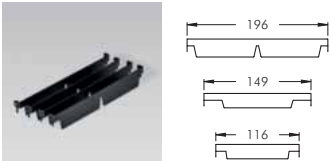
| Monoflood 1, 2 |             |                                                                |
|----------------|-------------|----------------------------------------------------------------|
| Part number    | Luminaire   | Description                                                    |
| 122 0 411 000  | Monoflood 1 | Honeycomb louvre, internal (factory fitted),<br>to avoid glare |
| 122 0 412 000  | Monoflood 2 |                                                                |



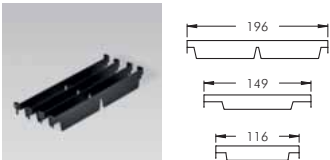
| Monoflood 3, 4 |             |                                                                |
|----------------|-------------|----------------------------------------------------------------|
| Part number    | Luminaire   | Description                                                    |
| 122 0 413 000  | Monoflood 3 | Honeycomb louvre, internal (factory fitted),<br>to avoid glare |
| 122 0 414 000  | Monoflood 4 |                                                                |



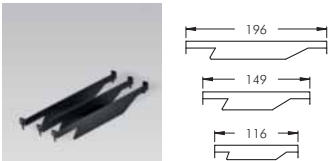
| Monoflood 2, 3, 4 axially symmetrical wide beam |             |                                                                                            |
|-------------------------------------------------|-------------|--------------------------------------------------------------------------------------------|
| Part number                                     | Luminaire   | Description                                                                                |
| 122 0 397 940                                   | Monoflood 2 | Vertical louvre, stainless steel,<br>to reduce lateral glare,<br>internal (factory fitted) |
| 122 0 398 940                                   | Monoflood 3 |                                                                                            |
| 122 0 399 940                                   | Monoflood 4 |                                                                                            |



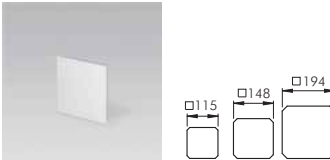
| Monoflood 2, 3, 4 axially symmetrical wide beam |             |                                                                                              |
|-------------------------------------------------|-------------|----------------------------------------------------------------------------------------------|
| Part number                                     | Luminaire   | Description                                                                                  |
| 122 0 440 940                                   | Monoflood 2 | Horizontal louvre, stainless steel,<br>to reduce lateral glare,<br>internal (factory fitted) |
| 122 0 441 940                                   | Monoflood 3 |                                                                                              |
| 122 0 442 940                                   | Monoflood 4 |                                                                                              |



| Monoflood 2, 3, 4 asymmetrical beam |             |                                                                                            |
|-------------------------------------|-------------|--------------------------------------------------------------------------------------------|
| Part number                         | Luminaire   | Description                                                                                |
| 122 0 417 940                       | Monoflood 2 | Vertical louvre, stainless steel,<br>to reduce lateral glare,<br>internal (factory fitted) |
| 122 0 418 940                       | Monoflood 3 |                                                                                            |
| 122 0 419 940                       | Monoflood 4 |                                                                                            |



| Monoflood 2, 3, 4 |             |                                                                                   |                     |
|-------------------|-------------|-----------------------------------------------------------------------------------|---------------------|
| Part number       | Luminaire   | Description                                                                       | Beam angle γ (FWHM) |
| 122 0 408 000     | Monoflood 2 | Prismatic glass,<br>for diffused light distribution,<br>internal (factory fitted) | narrow beam         |
| 122 0 409 000     | Monoflood 3 |                                                                                   | 12°                 |
| 122 0 410 000     | Monoflood 4 |                                                                                   | 12°                 |



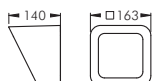
Dichroic colour filters are available upon request.

The internally fitted honeycomb louvre offers effective glare control and is protected from build up of dirt.

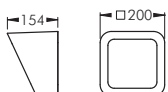


**Monoflood 1**

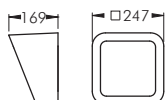
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>122 0 401 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting |
| <b>122 0 401 960</b> | white       |                                                                             |
| <b>122 0 401 950</b> | silver grey |                                                                             |

**Monoflood 2**

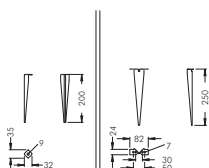
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>122 0 402 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting |
| <b>122 0 402 960</b> | white       |                                                                             |
| <b>122 0 402 950</b> | silver grey |                                                                             |

**Monoflood 3**

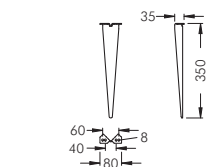
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>122 0 403 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting |
| <b>122 0 403 960</b> | white       |                                                                             |
| <b>122 0 403 950</b> | silver grey |                                                                             |

**Monoflood 4**

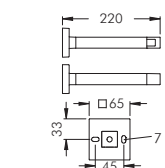
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>122 0 404 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting |
| <b>122 0 404 960</b> | white       |                                                                             |
| <b>122 0 404 950</b> | silver grey |                                                                             |



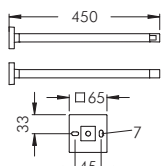
| Monoflood 1          | Monoflood 2          | Colour      | Bezeichnung                                                           |
|----------------------|----------------------|-------------|-----------------------------------------------------------------------|
| <b>129 0 731 940</b> | <b>129 0 502 940</b> | black       | <b>Stainless steel earth spike</b> ,<br>for use in landscape lighting |
| <b>129 0 731 960</b> | <b>129 0 502 960</b> | white       |                                                                       |
| <b>129 0 731 950</b> | <b>129 0 502 950</b> | silver grey |                                                                       |

**Monoflood 3, 4**

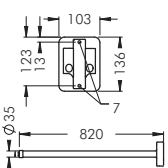
| Artikelnummer        | Colour      | Description                                                           |
|----------------------|-------------|-----------------------------------------------------------------------|
| <b>129 0 736 940</b> | black       | <b>Stainless steel earth spike</b> ,<br>for use in landscape lighting |
| <b>129 0 736 960</b> | white       |                                                                       |
| <b>129 0 736 950</b> | silver grey |                                                                       |

**Monoflood 1**

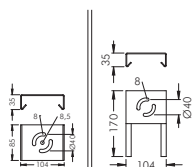
| Part number          | Colour      | Description                                                    |
|----------------------|-------------|----------------------------------------------------------------|
| <b>128 0 738 940</b> | black       | <b>Wall arm 220 mm</b> ,<br>aluminium, polyester powder coated |
| <b>128 0 738 960</b> | white       |                                                                |
| <b>128 0 738 950</b> | silver grey |                                                                |

**Monoflood 1**

| Part number          | Colour      | Description                                                    |
|----------------------|-------------|----------------------------------------------------------------|
| <b>128 0 739 940</b> | black       | <b>Wall arm 450 mm</b> ,<br>aluminium, polyester powder coated |
| <b>128 0 739 960</b> | white       |                                                                |
| <b>128 0 739 950</b> | silver grey |                                                                |

**Monoflood 2, 3**

| Part number          | Colour      | Description                                                                                                                                   |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 801 940</b> | black       | <b>Wall arm 820 mm</b> , aluminium, polyester powder coated,<br>for illumination of signs and facades,<br>cable duct inside, max. load 6.0 kg |
| <b>128 0 801 960</b> | white       |                                                                                                                                               |
| <b>128 0 801 950</b> | silver grey |                                                                                                                                               |

**Monoflood 1, 2**

| Part number          | Part number          | Description                                                                                                                                                         |
|----------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 620 940</b> | <b>120 0 622 940</b> | <b>Expandable tree strap with mounting plate</b> ,<br>made of polyester fiber for trunk circumference 350 – 450 mm*,<br>with polyester powder coated mounting plate |
|                      |                      |                                                                                                                                                                     |

\*different lengths available upon request



Monospot is a floodlight series with innovative technology and design. It comes in 5 sizes with varying wattages. Since the LED modules are located deep inside the reflectors, the luminaires have good cut-off and excellent glare control. In addition to a wide range of fixed light distributions, there is also the Vario Optic version which allows the light beam to be adjusted to suit the specific lighting task. The housings are free of joins and ridges, in or on which dirt and dust can collect. The puristic design and the compact dimensions allow these products to be integrated discreetly into any architectural surrounding.

For the Monospot series there is a gobo projector available with precise optics for sharp-edged image projections. The optical system can accommodate gobos and colour filters simultaneously. With the help of a framer, the edges of the image can be defined and adapted to the size of the projection surface. The Monospot series thus offers many possibilities for imaginative illumination.



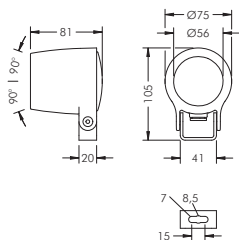


Monospot pole luminaires are equipped with a tilt-and-turn fixing system. A wide range of reflectors makes it possible to create different lighting scenarios. The street optic produces a bat-wing type distribution for illuminating paths and driveways.



Clemenstorget, Lund/Sweden  
Lighting design: Jørgen Kjer,  
COWI Lighting Design, Lyngby/Denmark



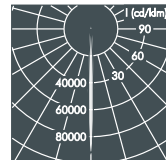
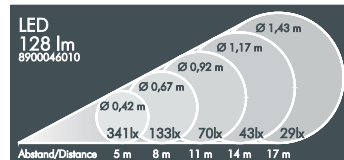


## Monospot Mini

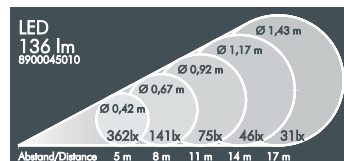
With high performance LED,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK08  
windage area A<sub>W</sub> 0.006 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
precise PMMA optic,  
all exterior steel parts are stainless steel,  
tempered high transmission safety glass,  
silicon gasket,  
mounting bracket powder coated aluminium:  
1 elongated hole Ø 7 mm, spacing 15 mm,  
1 centre hole Ø 8.5 mm, tilt range 180°,  
M16 cable gland,  
integral driver (AC/DC)

### Monospot Mini, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 900 046 018</b> | black       | 0.5 kg | 1 x LED 3 W         | 128 lm        | 4°                  |
| <b>8 900 066 018</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 900 056 018</b> | silver grey |        |                     |               |                     |

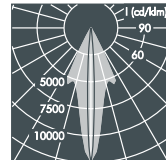
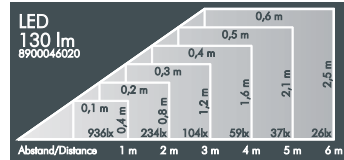


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 900 045 018</b> | black       | 0.5 kg | 1 x LED 3 W            | 136 lm        | 4°                  |
| <b>8 900 065 018</b> | white       |        | neutral white (4000 K) |               |                     |
| <b>8 900 055 018</b> | silver grey |        |                        |               |                     |

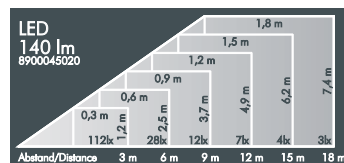


### Monospot Mini, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 900 046 028</b> | black       | 0.5 kg | 1 x LED 3 W         | 130 lm        | C 0 – 180           |
| <b>8 900 066 028</b> | white       |        | warm white (3000 K) |               | 24°                 |
| <b>8 900 056 028</b> | silver grey |        |                     |               | 6°                  |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 900 045 028</b> | black       | 0.5 kg | 1 x LED 3 W            | 140 lm        | C 0 – 180           |
| <b>8 900 065 028</b> | white       |        | neutral white (4000 K) |               | 24°                 |
| <b>8 900 055 028</b> | silver grey |        |                        |               | 6°                  |

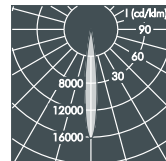
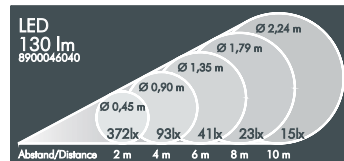


| Part number         | Description                                          |
|---------------------|------------------------------------------------------|
| <b>. . . . . 3.</b> | <b>Luminaire with linear beam spread, horizontal</b> |

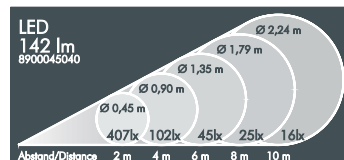


### Monospot Mini, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 900 046 048</b> | black       | 0.5 kg | 1 x LED 3 W         | 130 lm        | 13°                 |
| <b>8 900 066 048</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 900 056 048</b> | silver grey |        |                     |               |                     |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 900 045 048</b> | black       | 0.5 kg | 1 x LED 3 W            | 142 lm        | 13°                 |
| <b>8 900 065 048</b> | white       |        | neutral white (4000 K) |               |                     |
| <b>8 900 055 048</b> | silver grey |        |                        |               |                     |



LED (see page 247)

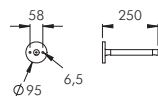
luminaires available in 2700 K and other colour temperatures upon request



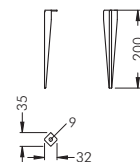


#### Accessories for Monospot Mini

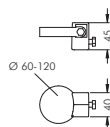
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>129 0 699 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting |
| <b>129 0 699 960</b> | white       |                                                                             |
| <b>129 0 699 950</b> | silver grey |                                                                             |



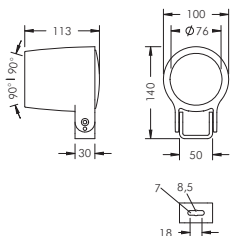
| Part number          | Colour      | Description                                                    |
|----------------------|-------------|----------------------------------------------------------------|
| <b>129 0 500 940</b> | black       | <b>Wall arm 250 mm</b> ,<br>aluminium, polyester powder coated |
| <b>129 0 500 960</b> | white       |                                                                |
| <b>129 0 500 950</b> | silver grey |                                                                |



| Part number          | Colour      | Description                                                           |
|----------------------|-------------|-----------------------------------------------------------------------|
| <b>129 0 731 940</b> | black       | <b>Stainless steel earth spike</b> ,<br>for use in landscape lighting |
| <b>129 0 731 960</b> | white       |                                                                       |
| <b>129 0 731 950</b> | silver grey |                                                                       |



| Part number          | Colour      | Description                                                                                                                     |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp</b> , aluminium,<br>polyester powder coated, stainless steel strap,<br>for mounting on poles <b>Ø 60 - 120 mm</b> |
| <b>128 0 760 960</b> | white       |                                                                                                                                 |
| <b>128 0 760 950</b> | silver grey |                                                                                                                                 |



## Monospot 1 with mounting bracket

With high performance LED module,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.012 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 2 stainless steel screws,  
mounting bracket: 1 elongated hole Ø 7 mm,  
spacing 18 mm, 1 centre hole Ø 8,5 mm,  
tilt range 180°, M16 cable gland,  
integral driver (AC/DC)

### Monospot 1, narrow beam

| Part number          | Colour      | Weight | Light source                              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------------------------|---------------|---------------------|
| <b>8 901 046 018</b> | black       | 1.0 kg | 1 x LED module 6 W<br>warm white (3000 K) | 431 lm        | 6°                  |
| <b>8 901 066 018</b> | white       |        |                                           |               |                     |
| <b>8 901 056 018</b> | silver grey |        |                                           |               |                     |

| Part number          | Colour      | Weight | Light source                                 | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|----------------------------------------------|---------------|---------------------|
| <b>8 901 045 018</b> | black       | 1.0 kg | 1 x LED module 6 W<br>neutral white (4000 K) | 453 lm        | 6°                  |
| <b>8 901 065 018</b> | white       |        |                                              |               |                     |
| <b>8 901 055 018</b> | silver grey |        |                                              |               |                     |

### Monospot 1, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source                              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------------------------|---------------|---------------------|
| <b>8 901 046 028</b> | black       | 1.0 kg | 1 x LED module 6 W<br>warm white (3000 K) | 392 lm        | C 0 – 180           |
| <b>8 901 066 028</b> | white       |        |                                           |               | C 90 – 270          |
| <b>8 901 056 028</b> | silver grey |        |                                           |               | 34°                 |

### . . . . . 3. Luminaire with linear beam spread, horizontal

### Monospot 1, linear beam spread, rotatable

| Part number          | Colour      | Description                                                                                                                           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|
| <b>8 901 046 078</b> | black       | <b>Luminaire with external<br/>ribbed glass spreader lense,</b><br>continuously adjustable through 360°<br>from outside the luminaire | 353 lm        | C 0 – 180           |
| <b>8 901 066 078</b> | white       |                                                                                                                                       |               | 34°                 |
| <b>8 901 056 078</b> | silver grey |                                                                                                                                       |               | 7°                  |

### Monospot 1, medium wide beam

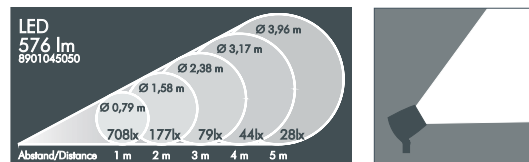
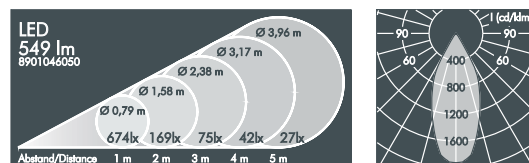
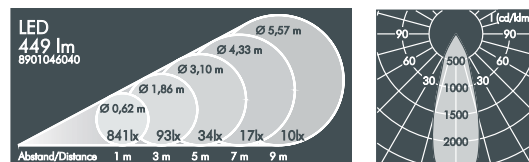
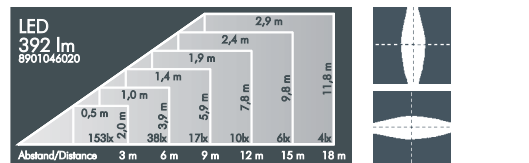
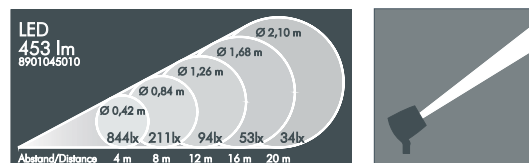
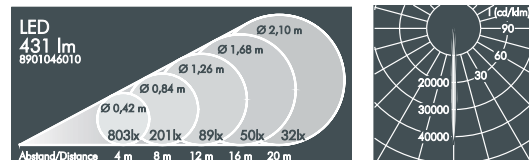
| Part number          | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|
| <b>8 901 046 048</b> | black       | 1.0 kg | 1 x LED module 6 W<br>(Zhaga) | 449 lm        | 34°                 |
| <b>8 901 066 048</b> | white       |        |                               |               |                     |
| <b>8 901 056 048</b> | silver grey |        |                               |               |                     |

### Monospot 1, wide beam

| Part number          | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|
| <b>8 901 046 058</b> | black       | 1.0 kg | 1 x LED module 6 W<br>(Zhaga) | 549 lm        | 44°                 |
| <b>8 901 066 058</b> | white       |        |                               |               |                     |
| <b>8 901 056 058</b> | silver grey |        |                               |               |                     |

| Part number          | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|
| <b>8 901 045 058</b> | black       | 1.0 kg | 1 x LED module 6 W<br>(Zhaga) | 576 lm        | 44°                 |
| <b>8 901 065 058</b> | white       |        |                               |               |                     |
| <b>8 901 055 058</b> | silver grey |        |                               |               |                     |

| Part number              | Description                                                     |
|--------------------------|-----------------------------------------------------------------|
| <b>. . . . . 5 . . .</b> | <b>Luminaire with neutral white colour temperature</b> (4000 K) |



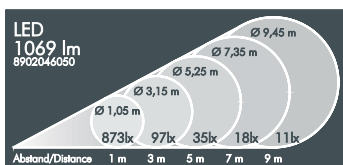
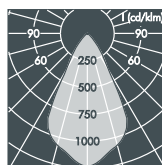
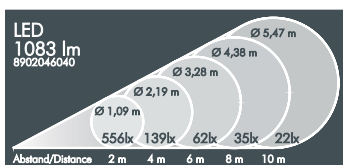
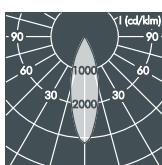
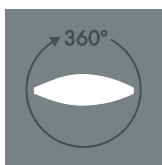
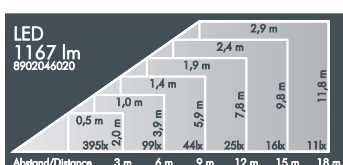
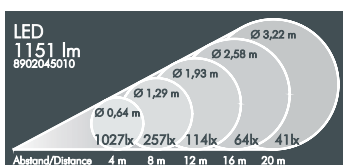
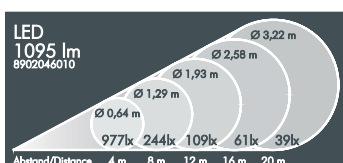
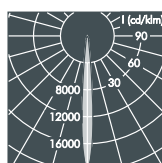
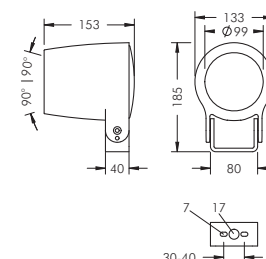
**LED** (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



## Monospot 2 with mounting bracket

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area AW 0.021 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 2 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 30-40 mm, 1 centre hole Ø 17 mm,  
tilt range 180°, M16 cable gland,  
integral driver (AC/DC)



LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



### Monospot 2, narrow beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 902 046 018</b> | black       | 1.9 kg | 1 x LED module 15 W<br>warm white (3000 K) | 1095 lm       | 8°                  |
| <b>8 902 066 018</b> | white       |        |                                            |               |                     |
| <b>8 902 056 018</b> | silver grey |        |                                            |               |                     |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 902 045 018</b> | black       | 1.9 kg | 1 x LED module 15 W<br>neutral white (4000 K) | 1151 lm       | 8°                  |
| <b>8 902 065 018</b> | white       |        |                                               |               |                     |
| <b>8 902 055 018</b> | silver grey |        |                                               |               |                     |

### Monospot 2, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 902 046 028</b> | black       | 1.9 kg | 1 x LED module 15 W<br>warm white (3000 K) | 1167 lm       | C 0 – 180<br>35°    |
| <b>8 902 066 028</b> | white       |        |                                            |               | C 90 – 270<br>8°    |
| <b>8 902 056 028</b> | silver grey |        |                                            |               |                     |

### Monospot 2, linear beam spread, horizontal

### Monospot 2, linear beam spread, rotatable

| Part number          | Colour      | Description                                                                                                                          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|
| <b>8 902 046 078</b> | black       | <b>Luminaire with external<br/>ribbed glass spreader lens,</b><br>continuously adjustable through 360°<br>from outside the luminaire | 1008 lm       | C 0 – 180<br>35°    |
| <b>8 902 066 078</b> | white       |                                                                                                                                      |               | C 90 – 270<br>8°    |
| <b>8 902 056 078</b> | silver grey |                                                                                                                                      |               |                     |
| Weight 2.0 kg        |             |                                                                                                                                      |               |                     |

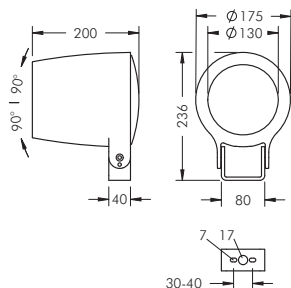
### Monospot 2, medium wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 902 046 048</b> | black       | 1.9 kg | 1 x LED module 15 W<br>warm white (3000 K) | 1083 lm       | 31°                 |
| <b>8 902 066 048</b> | white       |        |                                            |               |                     |
| <b>8 902 056 048</b> | silver grey |        |                                            |               |                     |

### Monospot 2, wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 902 046 058</b> | black       | 1.9 kg | 1 x LED module 15 W<br>warm white (3000 K) | 1069 lm       | 55°                 |
| <b>8 902 066 058</b> | white       |        |                                            |               |                     |
| <b>8 902 056 058</b> | silver grey |        |                                            |               |                     |

| Part number      | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 6 ...</b> | <b>Protection class II luminaire</b>                            |
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ..</b>  | <b>Dimmable luminaire (DALI)</b>                                |
| <b>... 2 ..</b>  | <b>Dimmable luminaire (1-10 V)</b>                              |

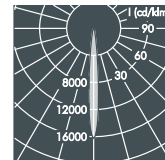
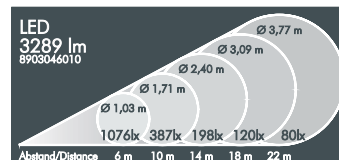


### Monospot 3 with mounting bracket

With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area AW 0.034 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,  
highly efficient aluminium reflector or lens made of optical silicon (Street Optic),  
all exterior steel parts are stainless steel, tempered safety glass, silicon gasket,  
closure with 3 stainless steel screws, mounting bracket: 2 drilled holes Ø 7 mm, spacing 30-40 mm, 1 centre hole Ø 17 mm, tilt range 180°, M20 cable gland, integral driver (AC/DC)

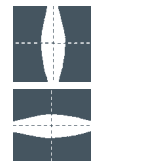
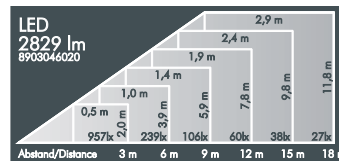
#### Monospot 3, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 903 046 018</b> | black       | 3.1 kg | 1 x LED module 36 W | 3289 lm       | 9°                  |
| <b>8 903 066 018</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 903 056 018</b> | silver grey |        |                     |               |                     |



#### Monospot 3, linear beam spread, vertical

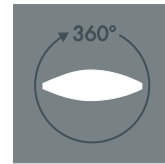
| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 903 046 028</b> | black       | 3.1 kg | 1 x LED module 36 W | 2829 lm       | C 0 – 180°          |
| <b>8 903 066 028</b> | white       |        | warm white (3000 K) |               | 36°                 |
| <b>8 903 056 028</b> | silver grey |        |                     |               | 9°                  |



#### . . . . . 3. Luminaire with linear beam spread, horizontal

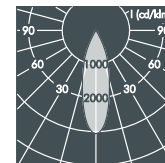
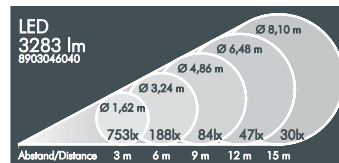
#### Monospot 3, linear beam spread, rotatable

| Part number          | Colour      | Description                                                                                                                      | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|
| <b>8 903 046 078</b> | black       | <b>Luminaire with external ribbed glass spreader lens,</b><br>continuously adjustable through 360°<br>from outside the luminaire | 2603 lm       | C 0 – 180°          |
| <b>8 903 066 078</b> | white       |                                                                                                                                  |               | 36°                 |
| <b>8 903 056 078</b> | silver grey |                                                                                                                                  |               | 9°                  |



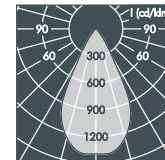
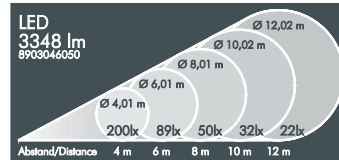
#### Monospot 3, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 903 046 048</b> | black       | 3.1 kg | 1 x LED module 36 W | 3283 lm       | 30°                 |
| <b>8 903 066 048</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 903 056 048</b> | silver grey |        |                     |               |                     |



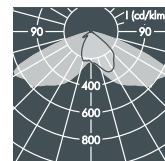
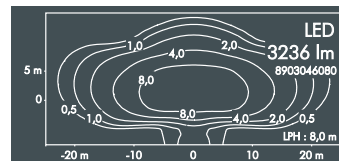
#### Monospot 3, wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 903 046 058</b> | black       | 3.1 kg | 1 x LED module 36 W | 3348 lm       | 53°                 |
| <b>8 903 066 058</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 903 056 058</b> | silver grey |        |                     |               |                     |



#### Monospot 3, Street Optic

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 903 046 088</b> | black       | 3.9 kg | 1 x LED module 36 W | 3236 lm       | C 0 – 180°          |
| <b>8 903 066 088</b> | white       |        | warm white (3000 K) |               | 51°                 |
| <b>8 903 056 088</b> | silver grey |        |                     |               | 121°                |



| Part number              | Description                                                     |
|--------------------------|-----------------------------------------------------------------|
| <b>. . . 7 . . . . .</b> | <b>Protection class II luminaire</b>                            |
| <b>. . . . . 5 . . .</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire (DALI)</b>                                |
| <b>. . . . . 2 . .</b>   | <b>Dimmable luminaire (1-10 V) *</b>                            |

\* Not available for Monospot 3, Street Optic

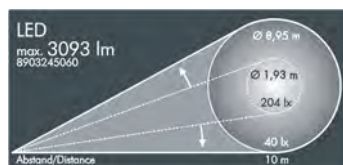
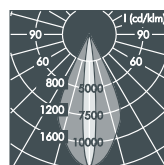
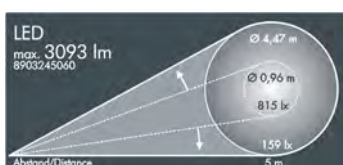
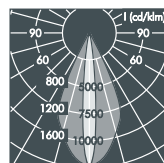
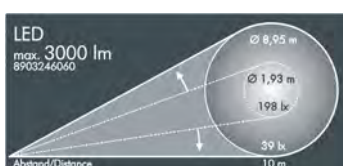
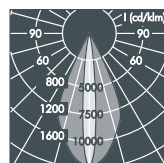
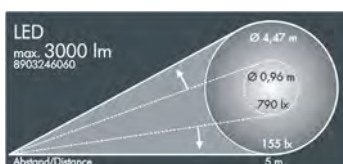
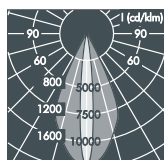
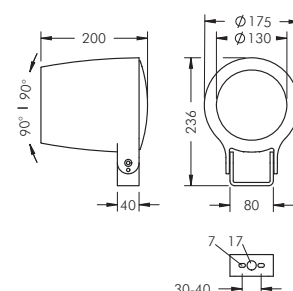
LED (see page 247)

luminaires available in 2700 K or other colour temperatures upon request



## Monospot 3 Vario Optic with mounting bracket

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area A<sub>W</sub> 0.034 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
high transmission glass optical lense,  
beam angle adjustable from outside the luminaire,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 3 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 30-40 mm, 1 centre hole Ø 17 mm,  
tilt range 180°, M20 cable gland,  
integral driver (AC/DC)

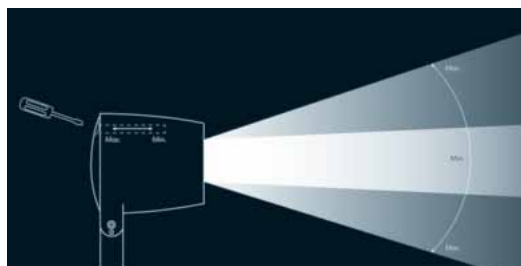


### Monospot 3 Vario Optic

| Part number          | Colour      | Weight | Light source                               | Luminous flux   | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|-----------------|---------------------|
| <b>8 903 046 068</b> | black       | 3.8 kg | 1 x LED module 36 W<br>warm white (3000 K) | max.<br>3000 lm | 11°-48°             |
| <b>8 903 066 068</b> | white       |        |                                            |                 |                     |
| <b>8 903 056 068</b> | silver grey |        |                                            |                 |                     |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux   | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|-----------------|---------------------|
| <b>8 903 045 068</b> | black       | 3.8 kg | 1 x LED module 36 W<br>neutral white (4000 K) | max.<br>3093 lm | 11°-48°             |
| <b>8 903 065 068</b> | white       |        |                                               |                 |                     |
| <b>8 903 055 068</b> | silver grey |        |                                               |                 |                     |

| Part number      | Description                          |
|------------------|--------------------------------------|
| <b>... 7 ...</b> | <b>Protection class II luminaire</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>     |
| <b>... 2 ...</b> | <b>Dimmable luminaire (1-10 V)</b>   |



The Vario Optic makes it possible to adjust the beam angle. This is done from outside the luminaire so that the optimal beam angle can be achieved while the floodlight is switched on. This function offers a high degree of flexibility, for example in landscape lighting.

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



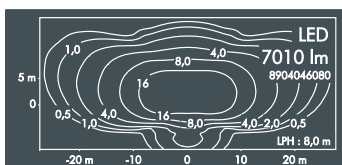
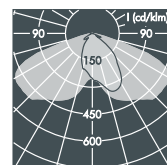
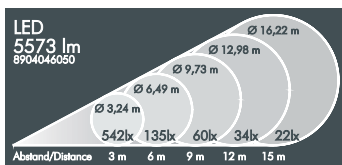
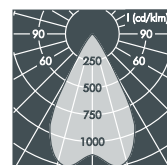
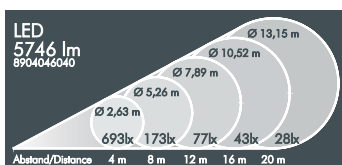
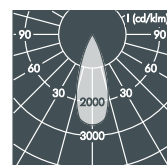
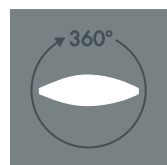
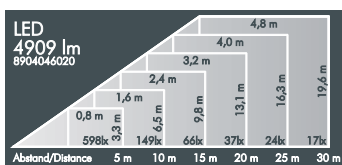
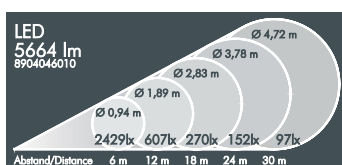
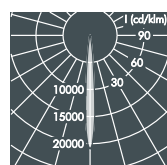
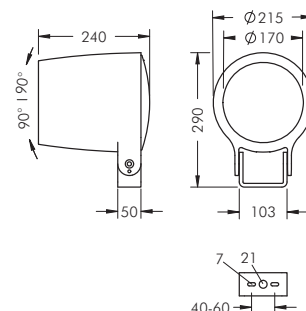






# Monospot 4 with mounting bracket

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area A<sub>W</sub> 0.051 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector or  
lens made of optical silicon (Street Optic),  
all exterior steel parts are stainless steel,  
tempered safety glass,  
silicon gasket, closure with 3 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 40-60 mm, 1 centre hole Ø 21 mm,  
tilt range 180°, M20 cable gland,  
integral driver (AC/DC)



## Monospot 4, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 904 046 018</b> | black       | 4.9 kg | 1 x LED module 70 W | 5664 lm       | 9°                  |
| <b>8 904 066 018</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 904 056 018</b> | silver grey |        |                     |               |                     |

## Monospot 4, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 904 046 028</b> | black       | 4.9 kg | 1 x LED module 70 W | 4909 lm       | C 0 – 180           |
| <b>8 904 066 028</b> | white       |        | warm white (3000 K) |               | 36°                 |
| <b>8 904 056 028</b> | silver grey |        |                     |               | 9°                  |

## . . . . . 3. Luminaire with linear beam spread, horizontal

## Monospot 4, linear beam spread, rotatable

| Part number          | Colour      | Description                                                                                                                             | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|
| <b>8 904 046 078</b> | black       | <b>Luminaire with external<br/>ribbed glass spreader lense,<br/>continuously adjustable through 360°<br/>from outside the luminaire</b> | 4517 lm       | C 0 – 180           |
| <b>8 904 066 078</b> | white       |                                                                                                                                         |               | 36°                 |
| <b>8 904 056 078</b> | silver grey |                                                                                                                                         |               | 9°                  |

Weight 5.1 kg

## Monospot 4, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 904 046 048</b> | black       | 4.9 kg | 1 x LED module 70 W | 5746 lm       | 36°                 |
| <b>8 904 066 048</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 904 056 048</b> | silver grey |        |                     |               |                     |

## Monospot 4, wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 904 046 058</b> | black       | 4.9 kg | 1 x LED module 70 W | 5573 lm       | 57°                 |
| <b>8 904 066 058</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 904 056 058</b> | silver grey |        |                     |               |                     |

## Monospot 4, Street Optic

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 904 046 088</b> | black       | 5.1 kg | 1 x LED module 70 W | 7010 lm       | C 0 – 180           |
| <b>8 904 066 088</b> | white       |        | warm white (3000 K) |               | 51°                 |
| <b>8 904 056 088</b> | silver grey |        |                     |               | 121°                |

| Part number                  | Description                                                          |
|------------------------------|----------------------------------------------------------------------|
| <b>. . . 8 . . . . .</b>     | <b>Protection class II luminaire</b>                                 |
| <b>. . . . . 5 . . . . .</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b>      |
| <b>. . . . . 1 . . . . .</b> | <b>Dimmable luminaire (DALI)</b>                                     |
| Part number *                | Description                                                          |
| <b>. . . 4 . . 9 0 . .</b>   | <b>Luminaire with LED module RGBW max. 49 W</b>                      |
| <b>. . . 4 . . 2 1 . .</b>   | <b>Luminaire with Tuneable White LED max. 37 W (2700 K - 6500 K)</b> |

\* Not available for Monospot 4, Street Optic

LED (see page 247)

luminaires available in 2700 K or other colour temperatures upon request



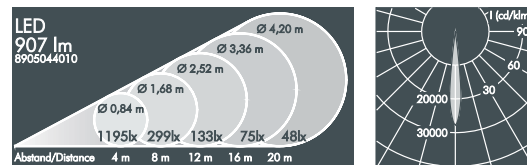
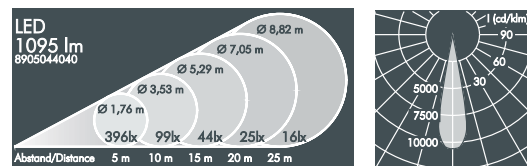
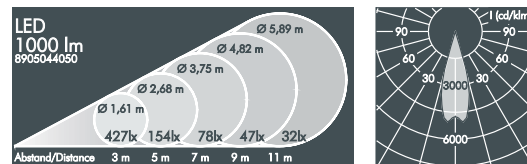
With high performance LED module,  
CRI: > 70, colour tolerance: max. 4 SDCM  
Service life: L70/B20 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.074 m<sup>2</sup>,  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, focusable lense,  
carrier for gobos and colour filters,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 3 stainless steel screws,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 40-60 mm, 1 centre hole Ø 21 mm,  
tilt range 180°, M20 cable gland,  
integral driver (AC/DC)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle |
|----------------------|-------------|--------|--------------------------------------------|---------------|------------|
| <b>8 905 044 058</b> | black       | 6.7 kg | 1 x LED module 47 W<br>cool white (6500 K) | 1000 lm       | 30°        |
| <b>8 905 064 058</b> | white       |        |                                            |               |            |
| <b>8 905 054 058</b> | silver grey |        |                                            |               |            |

| Part number          | Colour      | Weight | light source                              | Luminous flux | Beam angle |
|----------------------|-------------|--------|-------------------------------------------|---------------|------------|
| <b>8 905 044 048</b> | black       | 6.7 kg | 1x LED module 47 W<br>cool white (6500 K) | 1095 lm       | 20°        |
| <b>8 905 064 048</b> | white       |        |                                           |               |            |
| <b>8 905 054 048</b> | silver grey |        |                                           |               |            |

| Part number          | Colour      | Weight | Light source                              | Luminous flux | Beam angle |
|----------------------|-------------|--------|-------------------------------------------|---------------|------------|
| <b>8 905 044 018</b> | black       | 6.7 kg | 1x LED module 47 W<br>cool white (6500 K) | 907 lm        | 12°        |
| <b>8 905 064 018</b> | white       |        |                                           |               |            |
| <b>8 905 054 018</b> | silver grey |        |                                           |               |            |

| Part number   | Description                      |
|---------------|----------------------------------|
| . . . . . 1.. | <b>Dimmable version (DALI)</b>   |
| . . . . . 2.. | <b>Dimmable version (1-10 V)</b> |

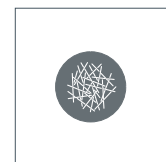
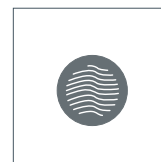
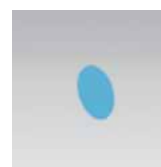


| Part number          | Colour | Description                   |
|----------------------|--------|-------------------------------|
| <b>129 0 551 000</b> | yellow | <b>Dichroic colour filter</b> |
| <b>129 0 557 000</b> | red    |                               |
| <b>129 0 553 000</b> | blue   |                               |
| <b>129 0 558 000</b> | green  |                               |

| Part number          | Description                                              |
|----------------------|----------------------------------------------------------|
| <b>129 0 780 000</b> | <b>Framer</b><br>for sharp edges on 3- or 4-sided images |

| Part number          | Example | Description                      |
|----------------------|---------|----------------------------------|
| <b>129 0 489 000</b> | waves   | <b>Standard gobos</b><br>Ø 50 mm |
| <b>129 0 490 000</b> | stars   |                                  |
| <b>129 0 491 000</b> | hash    |                                  |

Custom made gobos can be produced from image data in one of the following file formats: **EPS** (min. 300 dpi), **TIF** (min. 300 dpi), **JPG** (in low compression).  
Max. image size D on gobo: D = 38 mm (outer diameter gobo 50 mm)

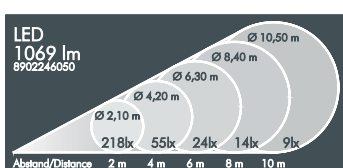
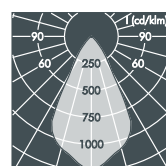
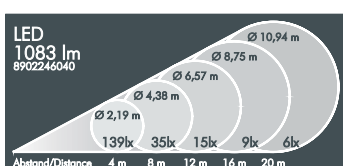
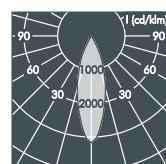
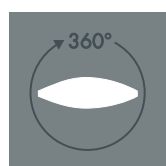
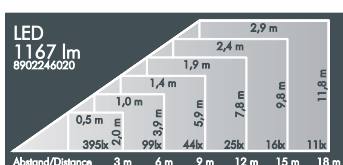
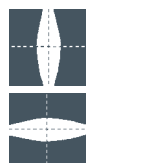
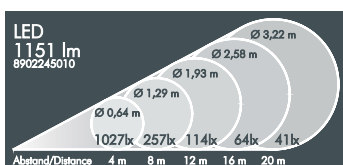
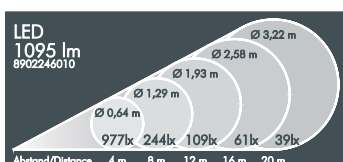
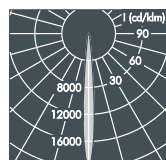
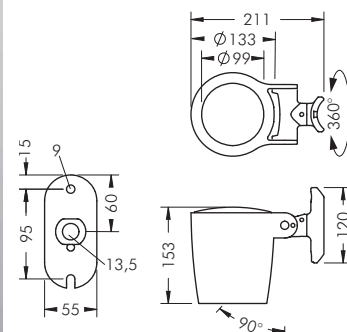


**LED** (see page 247)



## Monospot 2 pole luminaire

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I or II, IP67   , IK08  
windage area AW 0.021 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 2 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 centre hole Ø 13.5 mm, tilt range 90°,  
swivel range 360°, M16 cable gland,  
integral driver (AC/DC)



LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



### Monospot 2 pole luminaire, narrow beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 902 246 018</b> | black       | 2.1 kg | 1 x LED module 15 W<br>warm white (3000 K) | 1095 lm       | 8°                  |
| <b>8 902 266 018</b> | white       |        |                                            |               |                     |
| <b>8 902 256 018</b> | silver grey |        |                                            |               |                     |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 902 245 018</b> | black       | 2.1 kg | 1 x LED module 15 W<br>neutral white (4000 K) | 1151 lm       | 8°                  |
| <b>8 902 265 018</b> | white       |        |                                               |               |                     |
| <b>8 902 255 018</b> | silver grey |        |                                               |               |                     |

### Monospot 2 pole luminaire, linear beam spread, vertical

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 902 246 028</b> | black       | 2.1 kg | 1 x LED module 15 W<br>warm white (3000 K) | 1167 lm       | C 0 – 180<br>35°    |
| <b>8 902 266 028</b> | white       |        |                                            |               | C 90 – 270<br>8°    |
| <b>8 902 256 028</b> | silver grey |        |                                            |               |                     |

### Monospot 2 pole luminaire, linear beam spread, horizontal

### Monospot 2 pole luminaire, linear beam spread, rotatable

| Part number          | Colour      | Description                                                        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------------------------------------------------------------------|---------------|---------------------|
| <b>8 902 246 078</b> | black       | <b>Luminaire with external</b>                                     | 1008 lm       | C 0 – 180<br>35°    |
| <b>8 902 266 078</b> | white       | <b>ribbed glass spreader lense,</b>                                |               | C 90 – 270<br>8°    |
| <b>8 902 256 078</b> | silver grey | continuously adjustable through 360°<br>from outside the luminaire |               |                     |
| Weight 2.2 kg        |             |                                                                    |               |                     |

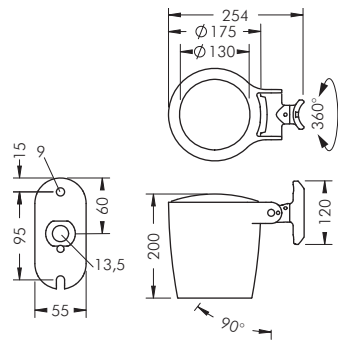
### Monospot 2 pole luminaire, medium wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 902 246 048</b> | black       | 2.1 kg | 1 x LED module 15 W<br>warm white (3000 K) | 1083 lm       | 31°                 |
| <b>8 902 266 048</b> | white       |        |                                            |               |                     |
| <b>8 902 256 048</b> | silver grey |        |                                            |               |                     |

### Monospot 2 pole luminaire, wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 902 246 058</b> | black       | 2.1 kg | 1 x LED module 15 W<br>warm white (3000 K) | 1069 lm       | 55°                 |
| <b>8 902 266 058</b> | white       |        |                                            |               |                     |
| <b>8 902 256 058</b> | silver grey |        |                                            |               |                     |

| Part number      | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 6 ...</b> | <b>Protection class II luminaire</b>                            |
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ..</b>  | <b>Dimmable luminaire (DALI)</b>                                |
| <b>... 2 ..</b>  | <b>Dimmable luminaire (1-10 V)</b>                              |

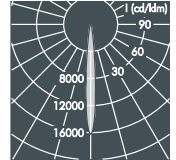
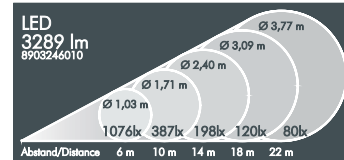


### Monospot 3 pole luminaire

With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area A<sub>W</sub> 0.034 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 3 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 drilled hole Ø 13.5 mm, tilt range 90°,  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC)

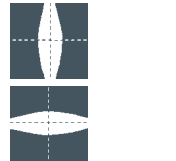
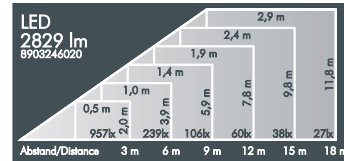
#### Monospot 3 pole luminaire, narrow beam

| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| 8 903 246 018 | black       | 3.3 kg | 1 x LED module 36 W<br>warm white (3000 K) | 3289 lm       | 9°                  |
| 8 903 266 018 | white       |        |                                            |               |                     |
| 8 903 256 018 | silver grey |        |                                            |               |                     |



#### Monospot 3 pole luminaire, linear beam spread, vertical

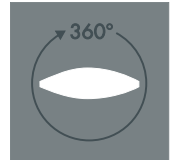
| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| 8 903 246 028 | black       | 3.3 kg | 1 x LED module 36 W<br>warm white (3000 K) | 2829 lm       | C 0 – 180           |
| 8 903 266 028 | white       |        |                                            |               | C 90 – 270          |
| 8 903 256 028 | silver grey |        |                                            |               | 36°                 |



#### . . . . . 3. Luminaire with linear beam spread, horizontal

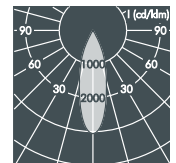
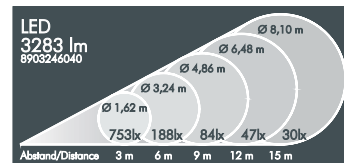
#### Monospot 3 pole luminaire, linear beam spread, rotatable

| Part number   | Colour      | Description                                                                                                                           | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|
| 8 903 246 078 | black       | <b>Luminaire with external<br/>ribbed glass spreader lense,</b><br>continuously adjustable through 360°<br>from outside the luminaire | 2603 lm       | C 0 – 180           |
| 8 903 266 078 | white       |                                                                                                                                       |               | C 90 – 270          |
| 8 903 256 078 | silver grey |                                                                                                                                       |               | 36°                 |



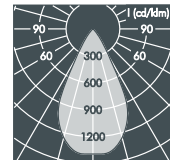
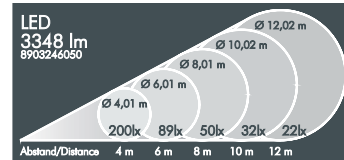
#### Monospot 3 pole luminaire, medium wide beam

| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| 8 903 246 048 | black       | 3.3 kg | 1 x LED module 36 W<br>warm white (3000 K) | 3283 lm       | 30°                 |
| 8 903 266 048 | white       |        |                                            |               |                     |
| 8 903 256 048 | silver grey |        |                                            |               |                     |



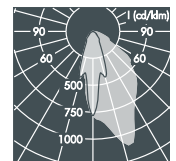
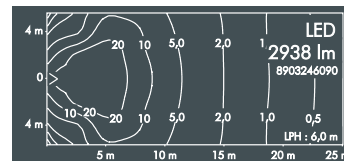
#### Monospot 3 pole luminaire, wide beam

| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| 8 903 246 058 | black       | 3.3 kg | 1 x LED module 36 W<br>warm white (3000 K) | 3348 lm       | 53°                 |
| 8 903 266 058 | white       |        |                                            |               |                     |
| 8 903 256 058 | silver grey |        |                                            |               |                     |

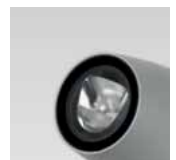


#### Monospot 3 pole luminaire, asymmetrical beam

| Part number   | Colour      | Weight | Light source                               | Luminous flux | Main beam angle γ |
|---------------|-------------|--------|--------------------------------------------|---------------|-------------------|
| 8 903 246 098 | black       | 3.7 kg | 1 x LED module 36 W<br>warm white (3000 K) | 2938 lm       | 18°               |
| 8 903 266 098 | white       |        |                                            |               |                   |
| 8 903 256 098 | silver grey |        |                                            |               |                   |



| Part number       | Description                                                     |
|-------------------|-----------------------------------------------------------------|
| . . . 7 . . . . . | <b>Protection class II luminaire</b>                            |
| . . . . . 5 . . . | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| . . . . . 1 . .   | <b>Dimmable luminaire (DALI)</b>                                |
| . . . . . 2 . .   | <b>Dimmable luminaire (1-10 V)</b>                              |



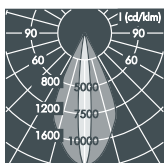
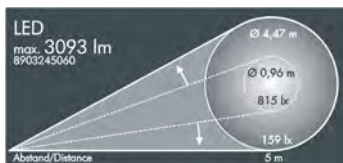
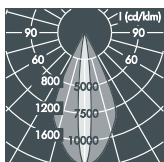
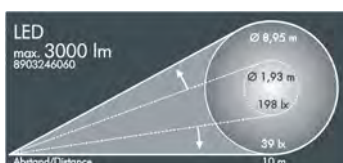
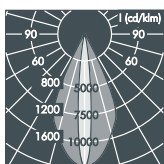
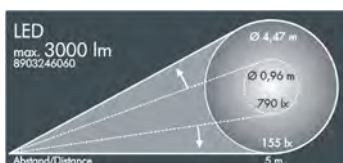
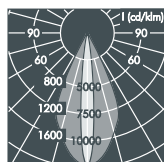
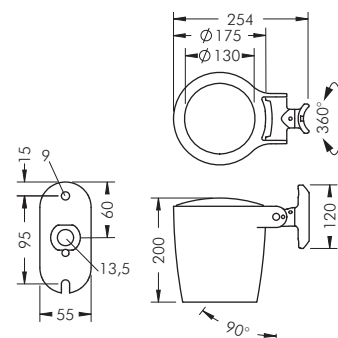
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



## Monospot 3 Vario Optic pole luminaire

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area A<sub>W</sub> 0.034 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
high transmission glass optical lense,  
beam angle adjustable from outside the luminaire,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 3 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 drilled hole Ø 13.5 mm, tilt range 90°,  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC)



### Monospot 3 pole luminaire, Vario Optic

| Part number          | Colour      | Weight | Light source                               | Luminous flux   | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|-----------------|---------------------|
| <b>8 903 246 068</b> | black       | 4.0 kg | 1 x LED module 36 W<br>warm white (3000 K) | max.<br>3000 lm | 11°-48°             |
| <b>8 903 266 068</b> | white       |        |                                            |                 |                     |
| <b>8 903 256 068</b> | silver grey |        |                                            |                 |                     |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux   | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|-----------------|---------------------|
| <b>8 903 245 068</b> | black       | 4.0 kg | 1 x LED module 36 W<br>neutral white (4000 K) | max.<br>3093 lm | 11°-48°             |
| <b>8 903 265 068</b> | white       |        |                                               |                 |                     |
| <b>8 903 255 068</b> | silver grey |        |                                               |                 |                     |

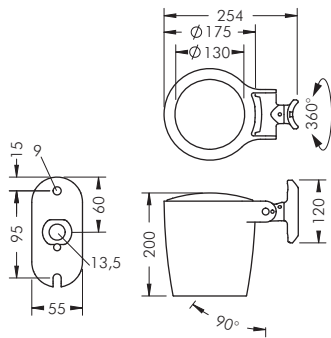
| Part number      | Description                          |
|------------------|--------------------------------------|
| <b>... 7 ...</b> | <b>Protection class II luminaire</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>     |
| <b>... 2 ...</b> | <b>Dimmable luminaire (1-10 V)</b>   |

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request







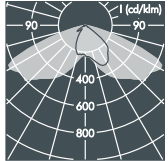
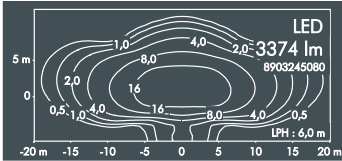
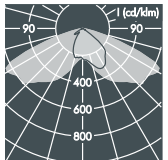
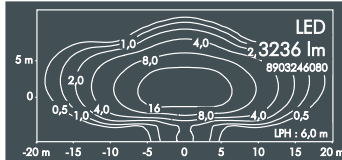
### Monospot 3 Street Optic pole luminaire

With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area AW 0.034 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, lense made of high efficiency, UV stabilized optical silicon, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 3 stainless steel screws, for installation on poles Ø 60 - 100 mm, tiltable base made of powder coated aluminium, 2 drilled holes Ø 9 mm, spacing 95 mm, 1 drilled hole Ø 13.5 mm, tilt range 90°, swivel range 360°, M20 cable gland, integral driver (AC/DC)

#### Monospot 3 pole luminaire, Street Optic

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 903 246 088</b> | black       | 4.1 kg | 1 x LED module 36 W<br>warm white (3000 K) | 3236 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 903 266 088</b> | white       |        |                                            |               | 51°                 | 121°       |
| <b>8 903 256 088</b> | silver grey |        |                                            |               |                     |            |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 903 245 088</b> | black       | 4.1 kg | 1 x LED module 36 W<br>neutral white (4000 K) | 3374 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 903 265 088</b> | white       |        |                                               |               | 51°                 | 121°       |
| <b>8 903 255 088</b> | silver grey |        |                                               |               |                     |            |



| Part number              | Description                          |
|--------------------------|--------------------------------------|
| <b>. . . 7 . . . . .</b> | <b>Protection class II luminaire</b> |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire (DALI)</b>     |

| Illumination examples (according to DIN EN 13201-2) |                    |        |        |        |
|-----------------------------------------------------|--------------------|--------|--------|--------|
|                                                     | Lighting situation |        |        |        |
|                                                     | S(P)2              | S(P)3  | S(P)4  | S(P)5  |
| <b>LPH</b>                                          | 6 m                | 6 m    | 6 m    | 6 m    |
| <b>D</b>                                            | 30 m               | 35 m   | 37 m   | 41 m   |
| <b>D/H</b>                                          | 5                  | 5,8    | 6,2    | 6,8    |
| <b>Em</b>                                           | 9,3 lx             | 8 lx   | 7,5 lx | 6,8 lx |
| <b>Emin</b>                                         | 3,1 lx             | 1,5 lx | 1,0 lx | 0,6 lx |
| <b>Emin/Em</b>                                      | 0,33               | 0,19   | 0,13   | 0,1    |
| <b>TI*</b>                                          | 11%                | 12%    | 13%    | 14%    |

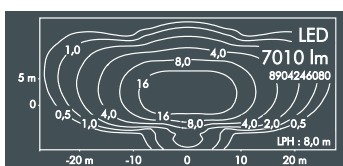
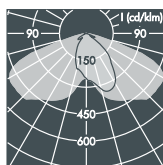
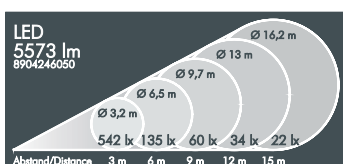
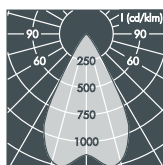
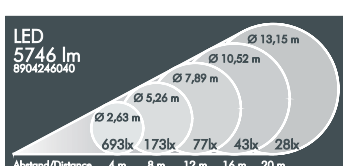
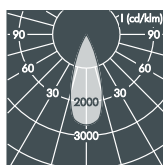
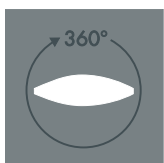
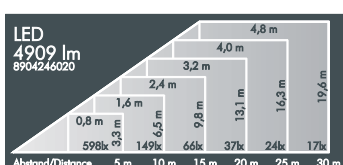
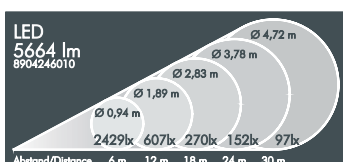
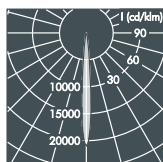
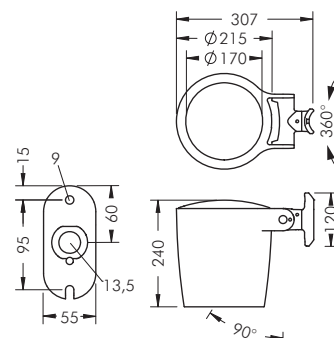
\* TI: Threshold Increment (unit for measuring glare).  
A low TI value indicates a low glare factor.

**LED** (see page 247)  
Luminaires available in 2700 K or other colour temperatures upon request



## Monospot 4 pole luminaire

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area AWV 0.051 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector or  
lens made of optical silicon (Street Optic),  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 3 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 drilled hole Ø 13.5 mm, tilt range 90°,  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC)



### Monospot 4 pole luminaire, narrow beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|----------------------------|
| <b>8 904 246 018</b> | black       | 5.2 kg | 1 x LED module 70 W<br>warm white (3000 K) | 5664 lm       | 9°                         |
| <b>8 904 266 018</b> | white       |        |                                            |               |                            |
| <b>8 904 256 018</b> | silver grey |        |                                            |               |                            |

**Monospot 4 pole luminaire, linear beam spread, vertical**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|----------------------------|------------|
| <b>8 904 246 028</b> | black       | 5.2 kg | 1 x LED module 70 W<br>warm white (3000 K) | 4909 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 904 266 028</b> | white       |        |                                            |               | 36°                        | 9°         |
| <b>8 904 256 028</b> | silver grey |        |                                            |               |                            |            |

|             |                                               |
|-------------|-----------------------------------------------|
| . . . . .3. | Luminaire with linear beam spread, horizontal |
|-------------|-----------------------------------------------|

**Monospot 4 pole luminaire, linear beam spread, rotatable**

| Part number          | Colour      | Description                                                                                                                          | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------|------------|
| <b>8 904 246 078</b> | black       | <b>Luminaire with external<br/>ribbed glass spreader lens,</b><br>continuously adjustable through 360°<br>from outside the luminaire | 4517 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 904 266 078</b> | white       |                                                                                                                                      |               | 36°                        | 9°         |
| <b>8 904 256 078</b> | silver grey |                                                                                                                                      |               |                            |            |
| Weight 5.4 kg        |             |                                                                                                                                      |               |                            |            |

**Monospot 4 pole luminaire, medium wide beam**

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|----------------------------|
| <b>8 904 246 048</b> | black       | 5.2 kg | 1 x LED module 70 W<br>warm white (3000 K) | 5746 lm       | 36°                        |
| <b>8 904 266 048</b> | white       |        |                                            |               |                            |
| <b>8 904 256 048</b> | silver grey |        |                                            |               |                            |

### Monospot 4 pole luminaire, wide beam

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|----------------------------|
| <b>8 904 246 058</b> | black       | 5.2 kg | 1 x LED module 70 W<br>warm white (3000 K) | 5573 lm       | 57°                        |
| <b>8 904 266 058</b> | white       |        |                                            |               |                            |
| <b>8 904 256 058</b> | silver grey |        |                                            |               |                            |

### Monospot 4 pole luminaire, Street Optic

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|----------------------------|------------|
| <b>8 904 246 088</b> | black       | 5.4 kg | 1 x LED module 70 W<br>warm white (3000 K) | 7010 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 904 266 088</b> | white       |        |                                            |               | 51°                        | 121°       |
| <b>8 904 256 088</b> | silver grey |        |                                            |               |                            |            |

|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Part number           | Description                                                          |
| . . . 8 . . . . .     | <b>Protection class II luminaire</b>                                 |
| . . . . . 5 . . . . . | <b>Luminaire with neutral white colour temperature (4000 K)</b>      |
| . . . . . 1 . . . . . | <b>Dimmable luminaire (DALI)</b>                                     |
| Part number *         | Description                                                          |
| . . . 4 . 9 0 . . .   | <b>Luminaire with LED module RGBW max. 49 W</b>                      |
| . . . 4 . 2 1 . . .   | <b>Luminaire with Tuneable White LED max. 37 W (2700 K - 6500 K)</b> |

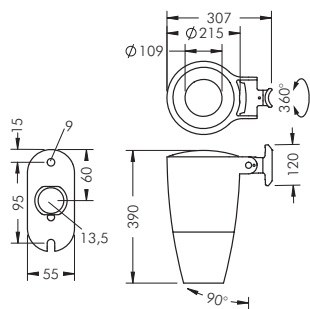
\* Not available for Monospot 4 pole luminaire, Street Optic

**LED** (see page 247)

Luminaire available in 2700 K or other colour temperatures upon request





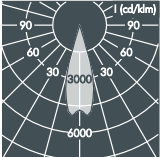
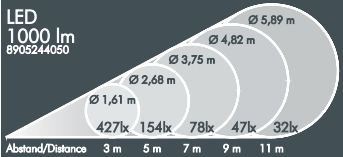


**Monospot Gobo  
pole luminaire**

With high performance LED module,  
CRI: > 70, colour tolerance: max. 4 SDCM  
service life: L70/B20 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.076 m<sup>2</sup>,  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, focusable lense,  
carrier for gobos and colour filters,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 3 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
tiltable base made of powder coated aluminium,  
2 drilled holes Ø 9 mm, spacing 95 mm,  
1 drilled hole Ø 13.5 mm, tilt range 90°,  
swivel range 360°, M20 cable gland,  
integral driver (AC/DC)

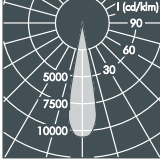
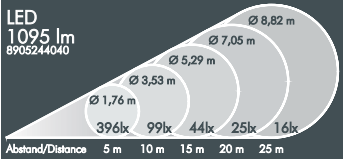
**Monospot Gobo pole luminaire, 63 mm focal length**

| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle |
|---------------|-------------|--------|--------------------------------------------|---------------|------------|
| 8 905 244 058 | black       | 7.0 kg | 1 x LED module 47 W<br>cool white (6500 K) | 1000 lm       | 30°        |
| 8 905 264 058 | white       |        |                                            |               |            |
| 8 905 254 058 | silver grey |        |                                            |               |            |



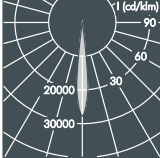
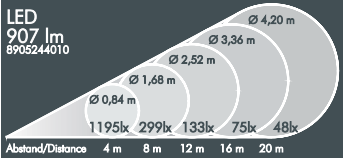
**Monospot Gobo pole luminaire, 85 mm focal length**

| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle |
|---------------|-------------|--------|--------------------------------------------|---------------|------------|
| 8 905 244 048 | black       | 7.0 kg | 1 x LED module 47 W<br>cool white (6500 K) | 1095 lm       | 20°        |
| 8 905 264 048 | white       |        |                                            |               |            |
| 8 905 254 048 | silver grey |        |                                            |               |            |



**Monospot Gobo pole luminaire, 150 mm focal length**

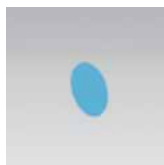
| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle |
|---------------|-------------|--------|--------------------------------------------|---------------|------------|
| 8 905 244 018 | black       | 7.0 kg | 1 x LED module 47 W<br>cool white (6500 K) | 907 lm        | 12°        |
| 8 905 264 018 | white       |        |                                            |               |            |
| 8 905 254 018 | silver grey |        |                                            |               |            |



| Part number   | Description                      |
|---------------|----------------------------------|
| . . . . . 1.. | <b>Dimmable version (DALI)</b>   |
| . . . . . 2.. | <b>Dimmable version (1-10 V)</b> |

LED (see page 247)



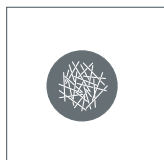
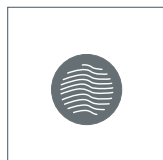


### Accessories Monospot Gobo

| Part number          | Colour | Description                   |
|----------------------|--------|-------------------------------|
| <b>129 0 551 000</b> | yellow | <b>Dichroic colour filter</b> |
| <b>129 0 557 000</b> | red    |                               |
| <b>129 0 553 000</b> | blue   |                               |
| <b>129 0 558 000</b> | green  |                               |



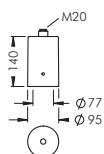
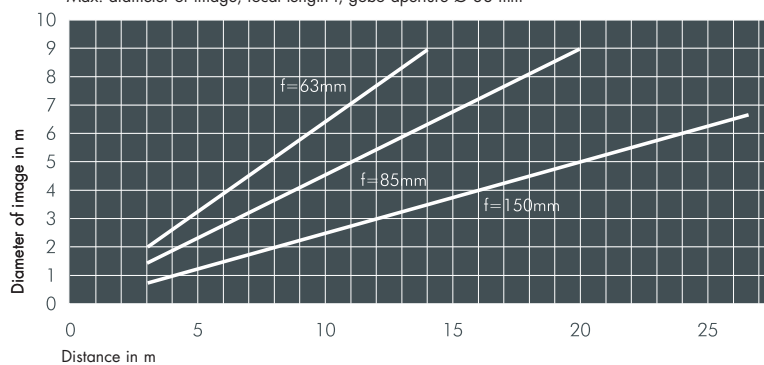
| Part number          | Description                                              |
|----------------------|----------------------------------------------------------|
| <b>129 0 780 000</b> | <b>Framer</b><br>for sharp edges on 3- or 4-sided images |



| Part number          | Example | Description                      |
|----------------------|---------|----------------------------------|
| <b>129 0 489 000</b> | waves   | <b>Standard gobos</b><br>Ø 50 mm |
| <b>129 0 490 000</b> | stars   |                                  |
| <b>129 0 491 000</b> | hash    |                                  |

Custom made gobos can be produced from image data in one of the following file formats: **EPS** (min. 300 dpi), **TIF** (min. 300 dpi), **JPG** (in low compression).  
Max. image size D on gobo: D = 38 mm (outer diameter gobo 50 mm)

Max. diameter of image, focal length f, gobo aperture Ø 38 mm



| Part number          | Colour      | Description                                                                                                                                             |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 626 940</b> | black       | <b>Pole Top Fitter</b> , aluminium,<br>for 76 mm pole top, with M20 x 1.5 connection thread,<br>for installation of one projector with mounting bracket |
| <b>128 0 626 960</b> | white       |                                                                                                                                                         |
| <b>128 0 626 950</b> | silver grey |                                                                                                                                                         |



Accessories Monospot internal, **factory fitted**

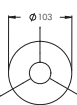
| Monospot 2    |                                                                              |
|---------------|------------------------------------------------------------------------------|
| Part number   | Description                                                                  |
| 129 0 728 940 | <b>Radial louvre</b> , internal (factory fitted),<br>to reduce lateral glare |



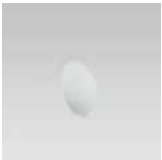
| Monospot 3    |                                                                              |
|---------------|------------------------------------------------------------------------------|
| Part number   | Description                                                                  |
| 129 0 729 940 | <b>Radial louvre</b> , internal (factory fitted),<br>to reduce lateral glare |



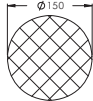
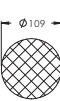
| Monospot 4    |                                                                              |
|---------------|------------------------------------------------------------------------------|
| Part number   | Description                                                                  |
| 129 0 730 940 | <b>Radial louvre</b> , internal (factory fitted),<br>to reduce lateral glare |



| Monospot 1, 2 |                   |                                 |                            |                  |
|---------------|-------------------|---------------------------------|----------------------------|------------------|
|               |                   |                                 | Beam angle $\gamma$ (FWHM) |                  |
| Part number   | Luminaire         | Description                     | narrow beam                | medium wide beam |
| 129 0 732 000 | <b>Monospot 1</b> | <b>Prismatic glass</b> ,        | 15°                        | 41°              |
| 129 0 733 000 | <b>Monospot 2</b> | for diffused light distribution | 17°                        | 38°              |



| Monospot 3, 4 |                   |                                 |                            |                  |
|---------------|-------------------|---------------------------------|----------------------------|------------------|
|               |                   |                                 | Beam angle $\gamma$ (FWHM) |                  |
| Part number   | Luminaire         | Description                     | narrow beam                | medium wide beam |
| 129 0 734 000 | <b>Monospot 3</b> | <b>Prismatic glass</b> ,        | 18°                        | 37°              |
| 129 0 735 000 | <b>Monospot 4</b> | for diffused light distribution | 19°                        | 46°              |



| Monospot 1, 2 |                   |                                                      |
|---------------|-------------------|------------------------------------------------------|
| Part number   | Luminaire         | Description                                          |
| 129 0 751 000 | <b>Monospot 1</b> | <b>Honeycomb louvre</b> , internal (factory fitted), |
| 129 0 752 000 | <b>Monospot 2</b> | to avoid glare                                       |



| Monospot 3, 4 |                   |                                                      |
|---------------|-------------------|------------------------------------------------------|
| Part number   | Luminaire         | Description                                          |
| 129 0 753 000 | <b>Monospot 3</b> | <b>Honeycomb louvre</b> , internal (factory fitted), |
| 129 0 754 000 | <b>Monospot 4</b> | to avoid glare                                       |



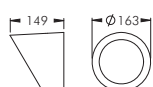
Since the LED modules are located deep inside the reflectors, the luminaires have good cut-off and excellent glare control. Accessories, such as louvres and optical glasses, are internally fitted and therefore maintenance-free.

Accessories Monospot external, **for retro-fitting****Monospot 1**

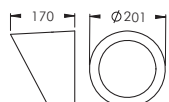
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>129 0 722 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting |
| <b>129 0 722 960</b> | white       |                                                                             |
| <b>129 0 722 950</b> | silver grey |                                                                             |

**Monospot 2**

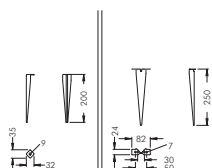
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>129 0 723 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting |
| <b>129 0 723 960</b> | white       |                                                                             |
| <b>129 0 723 950</b> | silver grey |                                                                             |

**Monospot 3**

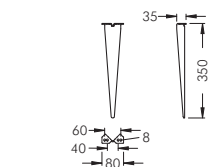
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>129 0 724 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting |
| <b>129 0 724 960</b> | white       |                                                                             |
| <b>129 0 724 950</b> | silver grey |                                                                             |

**Monospot 4**

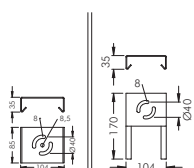
| Part number          | Colour      | Description                                                                 |
|----------------------|-------------|-----------------------------------------------------------------------------|
| <b>129 0 725 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting |
| <b>129 0 725 960</b> | white       |                                                                             |
| <b>129 0 725 950</b> | silver grey |                                                                             |

**Monospot 1**

| Part number          | Part number          | Colour      | Description                                                           |
|----------------------|----------------------|-------------|-----------------------------------------------------------------------|
| <b>129 0 731 940</b> | <b>129 0 502 940</b> | black       | <b>Stainless steel earth spike</b> ,<br>for use in landscape lighting |
| <b>129 0 731 960</b> | <b>129 0 502 960</b> | white       |                                                                       |
| <b>129 0 731 950</b> | <b>129 0 502 950</b> | silver grey |                                                                       |

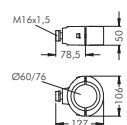
**Monospot 3, 4**

| Part number          | Colour      | Description                                                           |
|----------------------|-------------|-----------------------------------------------------------------------|
| <b>129 0 736 940</b> | black       | <b>Stainless steel earth spike</b> ,<br>for use in landscape lighting |
| <b>129 0 736 960</b> | white       |                                                                       |
| <b>129 0 736 950</b> | silver grey |                                                                       |

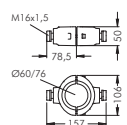
**Monospot 1, 2**

| Part number          | Part number          | Description                                                                                                                                                         |
|----------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 620 940</b> | <b>120 0 622 940</b> | <b>Expandable tree strap with mounting plate</b> ,<br>made of polyester fiber for trunk circumference 350 – 450 mm*,<br>with polyester powder coated mounting plate |

\*different lengths available upon request

**Monospot 2, 3, 4**

| Part number          | Colour      | Description                                                      |
|----------------------|-------------|------------------------------------------------------------------|
| <b>129 0 790 940</b> | black       | <b>Single pole mount clamp</b> , aluminium,<br>for poles Ø 60 mm |
| <b>129 0 790 960</b> | white       |                                                                  |
| <b>129 0 790 950</b> | silver grey |                                                                  |
| <b>129 0 792 940</b> | black       | <b>Single pole mount clamp</b> , aluminium,<br>for poles Ø 76 mm |
| <b>129 0 792 960</b> | white       |                                                                  |
| <b>129 0 792 950</b> | silver grey |                                                                  |
| <b>129 0 791 940</b> | black       | <b>Double pole mount clamp</b> , aluminium,<br>for poles Ø 60 mm |
| <b>129 0 791 960</b> | white       |                                                                  |
| <b>129 0 791 950</b> | silver grey |                                                                  |
| <b>129 0 793 940</b> | black       | <b>Double pole mount clamp</b> , aluminium,<br>for poles Ø 76 mm |
| <b>129 0 793 960</b> | white       |                                                                  |
| <b>129 0 793 950</b> | silver grey |                                                                  |



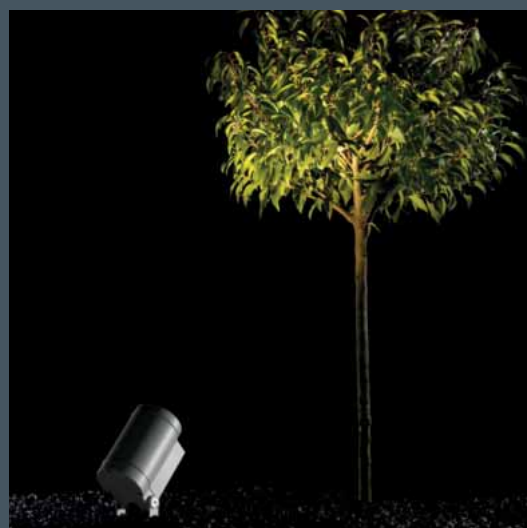


Design: Roy Fleetwood

Ecospot is a LED floodlight series with extremely narrow beam light distribution and very little light spill. In this way high levels of illumination can be achieved even over greater distances. Longevity of the integrated components is ensured by highly efficient heat dissipation, despite the compact design of the luminaires.

These floodlights are available in two sizes: Ecospot Mini with a single LED and Ecospot with a high performance LED module.

Thanks to their precise optics and well-conceived design, Ecospot floodlights are sustainable and very economical tools for accent lighting.



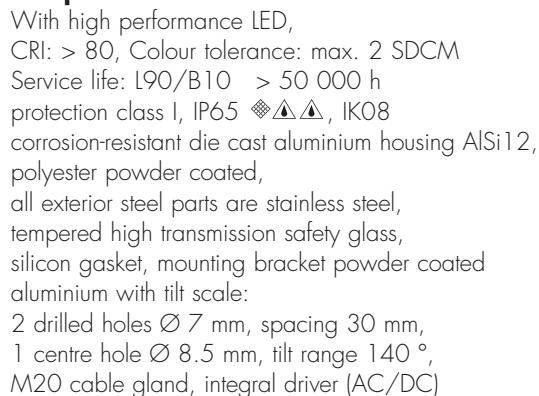
An earth spike is available when using these floodlights for landscape lighting.

The extremely narrow beam distribution of 4° or 6° makes it possible to achieve high levels of illumination even over longer distances.

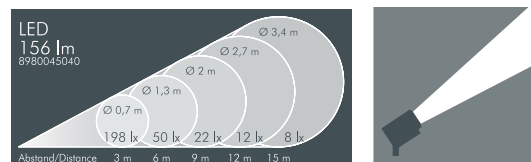


Railway Bridge, Eskilstuna/Sweden  
Lighting design: ÅF Lighting, Stockholm  
Photo by Sten Jansin



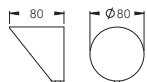


| Part number          | Colour      | Weight | Light source                          | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|---------------------------------------|---------------|----------------------------|
| <b>8 980 045 048</b> | black       | 0.8 kg | 1 x LED 3 W<br>neutral white (4000 K) | 156 lm        | 13°                        |
| <b>8 980 065 048</b> | white       |        |                                       |               |                            |
| <b>8 980 055 048</b> | silver grey |        |                                       |               |                            |



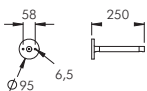
A diagram of a square with a smaller square in the center. At each of the four corners of the outer square, there is a small circle. The circles are positioned such that they are tangent to the sides of the outer square.



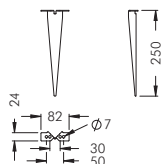


#### Accessories for Ecospot Mini

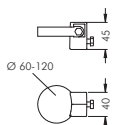
| Part number          | Colour      | Description                                          |
|----------------------|-------------|------------------------------------------------------|
| <b>129 0 498 940</b> | black       | <b>Cowl</b> , stainless steel,                       |
| <b>129 0 498 960</b> | white       | to avoid lateral glare, for retro-fitting,           |
| <b>129 0 498 950</b> | silver grey | only one accessory per luminaire, not in combination |



| Part number          | Colour      | Description                        |
|----------------------|-------------|------------------------------------|
| <b>129 0 500 940</b> | black       | <b>Wall arm 250 mm</b> ,           |
| <b>129 0 500 960</b> | white       | aluminium, polyester powder coated |
| <b>129 0 500 950</b> | silver grey |                                    |



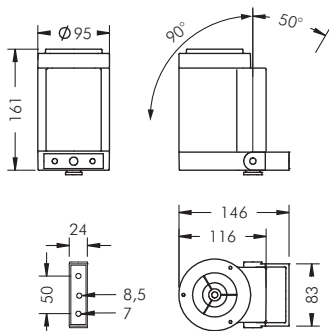
| Part number          | Colour      | Description                          |
|----------------------|-------------|--------------------------------------|
| <b>129 0 502 940</b> | black       | <b>Stainless steel earth spike</b> , |
| <b>129 0 502 960</b> | white       | for use in landscape lighting        |
| <b>129 0 502 950</b> | silver grey |                                      |



| Part number          | Colour      | Description                                     |
|----------------------|-------------|-------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp</b> , aluminium,                  |
| <b>128 0 760 960</b> | white       | polyester powder coated, stainless steel strap, |
| <b>128 0 760 950</b> | silver grey | for mounting on poles <b>Ø 60 - 120 mm</b>      |



The anti-reflective safety glass has a very high transmission value; this optimises the efficiency of the luminaire.



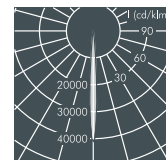
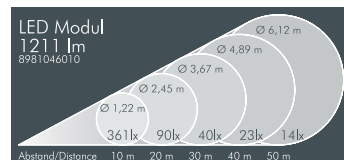
## Ecospot

With high performance LED module,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L80/B10 > 50 000 h  
protection class I, IP65 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
rotationally symmetrical aluminium reflector,  
radial louvre, all exterior steel parts are stainless steel,  
tempered high transmission safety glass,  
silicon gasket, mounting bracket powder  
coated aluminium with tilt scale:  
2 drilled holes Ø 7 mm, spacing 50 mm,  
1 centre hole Ø 8.5 mm, tilt range 140 °,  
M20 cable gland,  
integral driver (AC/DC)

### Ecospot, narrow beam

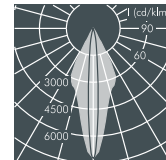
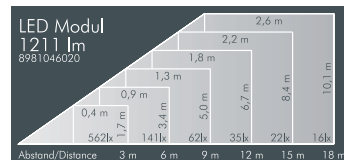
| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 981 046 018</b> | black       | 1.4 kg | 1 x LED module 19 W | 1211 lm       | 6°                  |
| <b>8 981 066 018</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 981 056 018</b> | silver grey |        |                     |               |                     |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 981 045 018</b> | black       | 1.4 kg | 1 x LED module 19 W    | 1275 lm       | 6°                  |
| <b>8 981 065 018</b> | white       |        | neutral white (4000 K) |               |                     |
| <b>8 981 055 018</b> | silver grey |        |                        |               |                     |



### Ecospot, linear beam spread, vertical

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM)  |
|----------------------|-------------|--------|---------------------|---------------|----------------------|
| <b>8 981 046 028</b> | black       | 1.4 kg | 1 x LED module 19 W | 1211 lm       | C 0 – 180 C 90 – 270 |
| <b>8 981 066 028</b> | white       |        | warm white (3000 K) |               | 32° 9°               |
| <b>8 981 056 028</b> | silver grey |        |                     |               |                      |

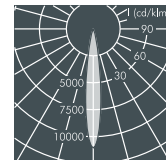
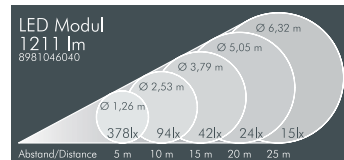


| Part number*  | Description                                          |
|---------------|------------------------------------------------------|
| <b>... 3.</b> | <b>Luminaire with linear beam spread, horizontal</b> |

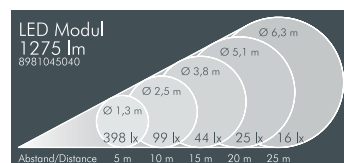
\*The luminaires are available with neutral white LEDs (4000 K) upon request.

### Ecospot, medium wide beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 981 046 048</b> | black       | 1.4 kg | 1 x LED module 19 W | 1211 lm       | 15°                 |
| <b>8 981 066 048</b> | white       |        | warm white (3000 K) |               |                     |
| <b>8 981 056 048</b> | silver grey |        |                     |               |                     |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 981 045 048</b> | black       | 1.4 kg | 1 x LED module 19 W    | 1275 lm       | 15°                 |
| <b>8 981 065 048</b> | white       |        | neutral white (4000 K) |               |                     |
| <b>8 981 055 048</b> | silver grey |        |                        |               |                     |

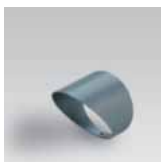


| Part number    | Description                        |
|----------------|------------------------------------|
| <b>... 1..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>... 2..</b> | <b>Dimmable luminaire (1-10 V)</b> |

LED (see page 247)

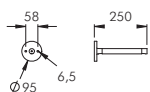
Luminaires available in 2700 K or other colour temperatures upon request



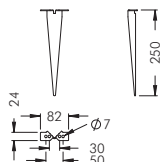


### Accessories for Ecospot

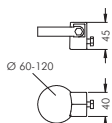
| Part number          | Colour      | Description                                                                                                                          |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>129 0 499 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting,<br>only one accessory per luminaire, not in combination |
| <b>129 0 499 960</b> | white       |                                                                                                                                      |
| <b>129 0 499 950</b> | silver grey |                                                                                                                                      |



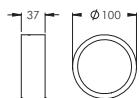
| Part number          | Colour      | Description                                                    |
|----------------------|-------------|----------------------------------------------------------------|
| <b>129 0 500 940</b> | black       | <b>Wall arm 250 mm</b> ,<br>aluminium, polyester powder coated |
| <b>129 0 500 960</b> | white       |                                                                |
| <b>129 0 500 950</b> | silver grey |                                                                |



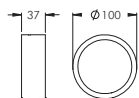
| Part number          | Colour      | Description                                                           |
|----------------------|-------------|-----------------------------------------------------------------------|
| <b>129 0 502 940</b> | black       | <b>Stainless steel earth spike</b> ,<br>for use in landscape lighting |
| <b>129 0 502 960</b> | white       |                                                                       |
| <b>129 0 502 950</b> | silver grey |                                                                       |



| Part number          | Colour      | Description                                                                                                                     |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 760 940</b> | black       | <b>Pole clamp</b> , aluminium,<br>polyester powder coated, stainless steel strap,<br>for mounting on poles <b>Ø 60 - 120 mm</b> |
| <b>128 0 760 960</b> | white       |                                                                                                                                 |
| <b>128 0 760 950</b> | silver grey |                                                                                                                                 |



| Part number          | Colour      | Description                                                                                                                                                   |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>129 0 602 940</b> | black       | <b>Carrier frame with honeycomb louvre</b> ,<br>with safety glass, to avoid glare,<br>for retro-fitting, only one accessory per luminaire, not in combination |
| <b>129 0 602 960</b> | white       |                                                                                                                                                               |
| <b>129 0 602 950</b> | silver grey |                                                                                                                                                               |



| Part number          | Colour      | Description                                                                                                                                                          |
|----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>129 0 602 941</b> | black       | <b>Carrier frame</b> , with safety glass,<br>for colour filters, lenses and plastic film,<br>for retro-fitting, only one accessory per luminaire, not in combination |
| <b>129 0 602 961</b> | white       |                                                                                                                                                                      |
| <b>129 0 602 951</b> | silver grey |                                                                                                                                                                      |



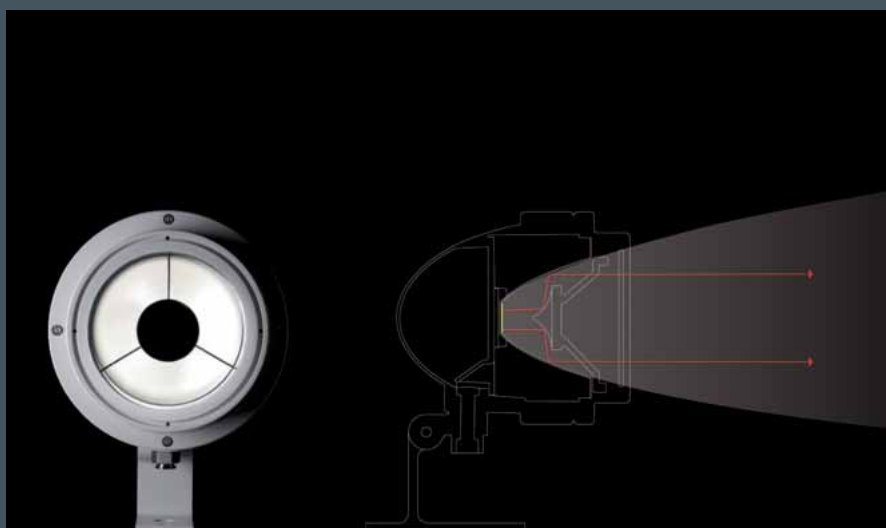
The honeycomb louvre provides optimal glare control and is protected against dirt by an additional glass.



Nightspot luminaires are characterised by their exemplary design and technical precision. The product range has been extensively re-worked to take new high performance LED modules which offer a higher luminous flux and a wider range of optical systems. Rotationally symmetrical optical systems are fitted with secondary reflectors in order to reduce glare. For street and pathway lighting there is an optical lens with batwing distribution. An RGBW version rounds off the range with a useful product for colour changing installations.

Design: Roy Fleetwood

A compact LED gobo projector allows sharp-edged image projections of highest quality. The optical system is extremely efficient and can take a gobo and colour filter simultaneously.



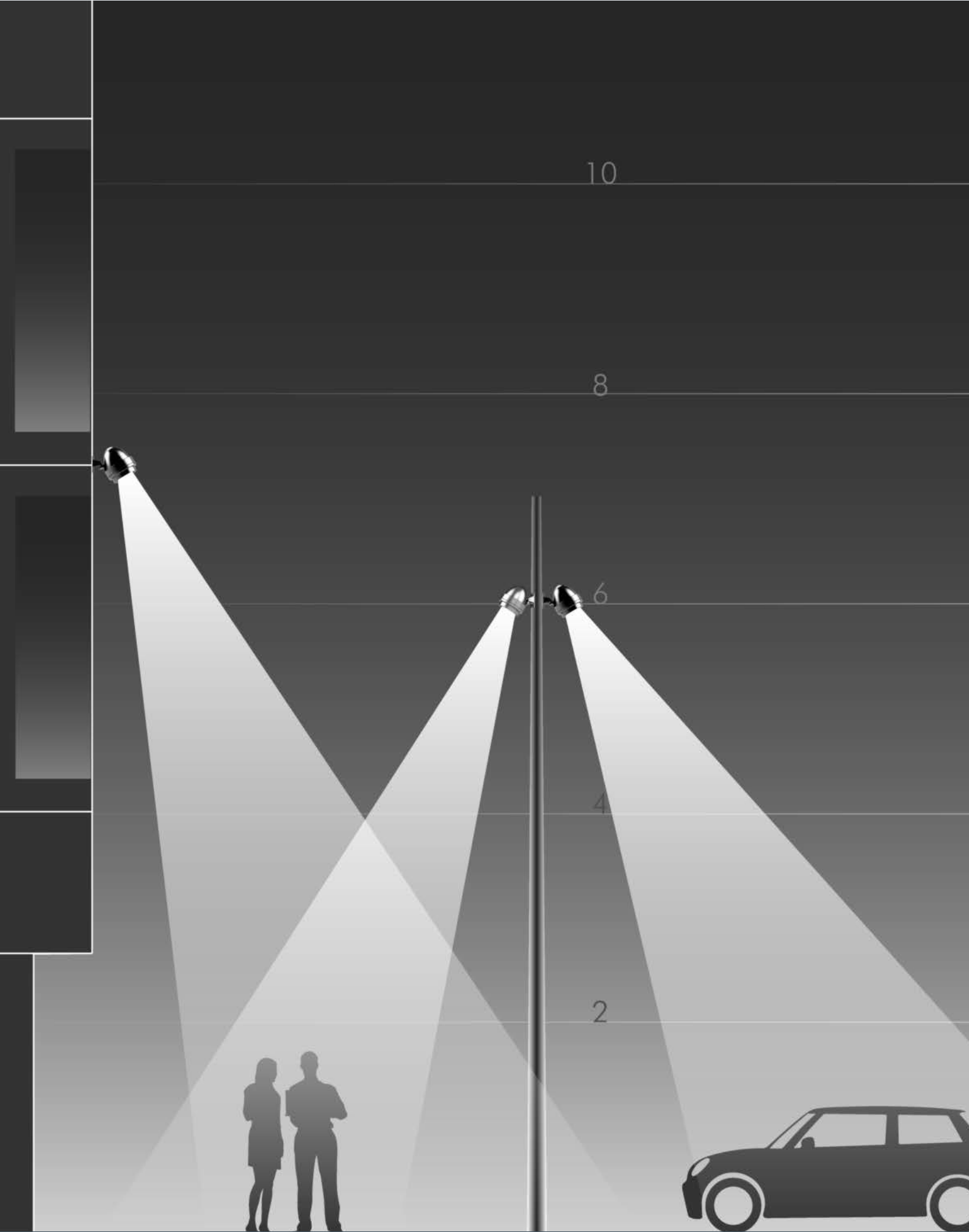
The light emitted by the LED module is directed via a primary and a secondary reflector, thus avoiding glare from direct light. The result is optimal visual comfort without sacrificing efficiency.

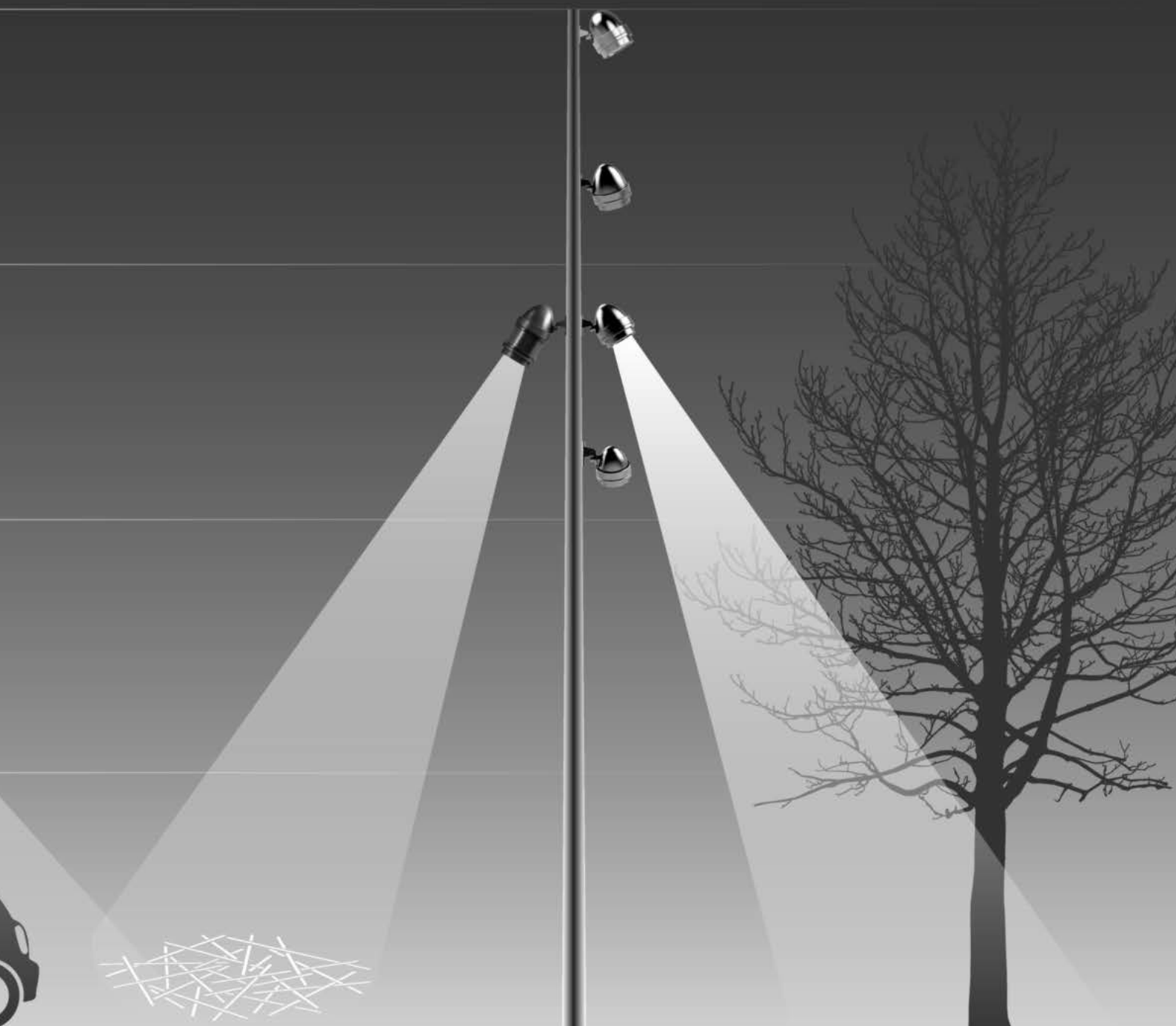


Montforthaus, Feldkirch/Austria  
 Lighting design: Belzner Holmes und Partner Licht-Design,  
 Stuttgart/Eschen, Liechtenstein

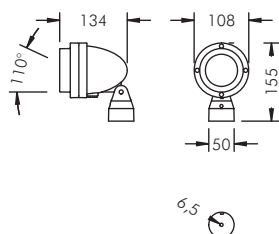
Nightspot pole luminaires can be used for the imaginative lighting of public spaces. They create uniform illumination or can be used for highlighting purposes. They can even be combined with gobo projectors in order to project images. The fixing system ensures a durable and robust installation, at the same time allowing the luminaires to be aimed as required.











## Nightspot A

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure by 4 stainless steel screws,  
base can be rotated 360°,  
1 drilled hole Ø 6.5 mm,  
knuckle joint with 110° tilt range,  
with 0.8 m cable H05RN-F3G1,  
integral driver (AC/DC)

### Nightspot A, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 965 146 018</b> | black       | 1.2 kg | 4 x LED 1.5 W       | 506 lm        | 6°                  |
| <b>8 965 166 018</b> | white       |        | (6 W)               |               |                     |
| <b>8 965 156 018</b> | silver grey |        | warm white (3000 K) |               |                     |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 965 145 018</b> | black       | 1.2 kg | 4 x LED 1.5 W          | 541 lm        | 6°                  |
| <b>8 965 165 018</b> | white       |        | (6 W)                  |               |                     |
| <b>8 965 155 018</b> | silver grey |        | neutral white (4000 K) |               |                     |

### Nightspot A, linear beam spread, 90° adjustable

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 965 146 028</b> | black       | 1.2 kg | 4 x LED 1.5 W       | 445 lm        | C 0 – 180           |
| <b>8 965 166 028</b> | white       |        | (6 W)               |               | 51°                 |
| <b>8 965 156 028</b> | silver grey |        | warm white (3000 K) |               | 8°                  |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 965 145 028</b> | black       | 1.2 kg | 4 x LED 1.5 W          | 467 lm        | C 0 – 180           |
| <b>8 965 165 028</b> | white       |        | (6 W)                  |               | 51°                 |
| <b>8 965 155 028</b> | silver grey |        | neutral white (4000 K) |               | 8°                  |

### Nightspot A, wide beam\*

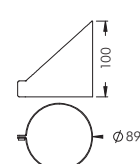
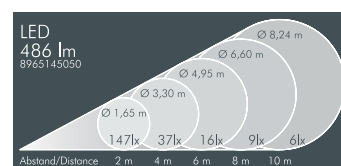
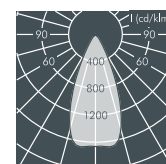
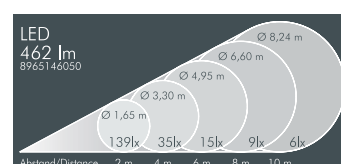
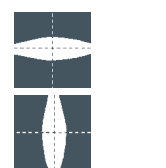
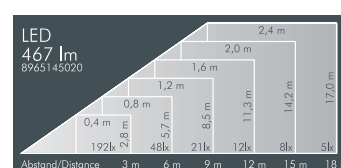
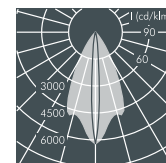
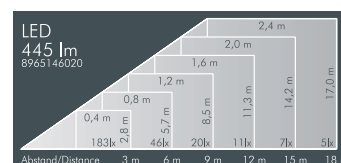
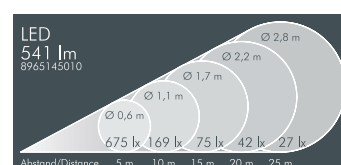
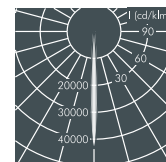
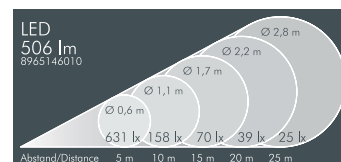
| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 965 146 058</b> | black       | 1.2 kg | 4 x LED 1.5 W       | 462 lm        | 45°                 |
| <b>8 965 166 058</b> | white       |        | (6 W)               |               |                     |
| <b>8 965 156 058</b> | silver grey |        | warm white (3000 K) |               |                     |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 965 145 058</b> | black       | 1.2 kg | 4 x LED 1.5 W          | 486 lm        | 45°                 |
| <b>8 965 165 058</b> | white       |        | (6 W)                  |               |                     |
| <b>8 965 155 058</b> | silver grey |        | neutral white (4000 K) |               |                     |

\*These luminaires are also available with medium wide beam optics upon request.

### Accessories Nightspot A

| Part number          | Colour      | Description                                                             |
|----------------------|-------------|-------------------------------------------------------------------------|
| <b>129 0 399 940</b> | black       | <b>Cowl</b> , stainless steel,                                          |
| <b>129 0 399 960</b> | white       | to avoid lateral glare,                                                 |
| <b>129 0 399 950</b> | silver grey | for retro-fitting, only one accessory per luminaire, not in combination |



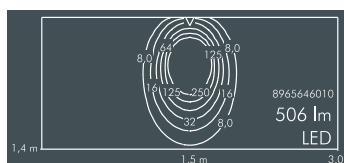
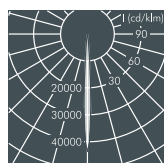
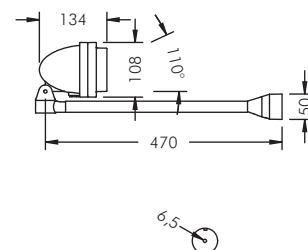
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



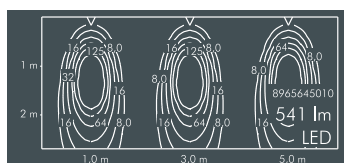
## Nightspot A with wall arm

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure by 4 stainless steel screws,  
base can be rotated 360°,  
1 drilled hole Ø 6.5 mm,  
knuckle joint with 110° tilt range,  
with 0.8 m cable H05RN-F3G1,  
integral driver (AC/DC)

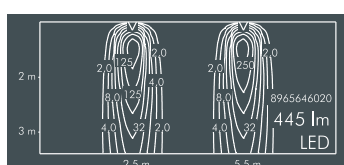
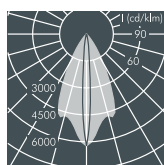


### Nightspot A with wall arm, narrow beam

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 965 646 018</b> | black       | 1.5 kg | 4 x LED 1.5 W       | 506 lm        | 6°                  |
| <b>8 965 666 018</b> | white       |        | (6 W)               |               |                     |
| <b>8 965 656 018</b> | silver grey |        | warm white (3000 K) |               |                     |

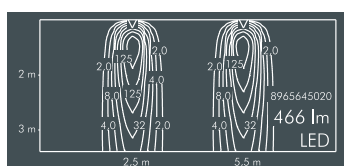


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 965 645 018</b> | black       | 1.5 kg | 4 x LED 1.5 W          | 541 lm        | 6°                  |
| <b>8 965 665 018</b> | white       |        | (6 W)                  |               |                     |
| <b>8 965 655 018</b> | silver grey |        | neutral white (4000 K) |               |                     |

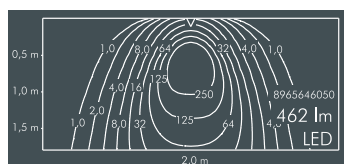
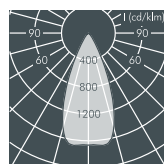


### Nightspot A with wall arm, linear beam spread, 90° adjustable

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 965 646 028</b> | black       | 1.5 kg | 4 x LED 1.5 W       | 445 lm        | C 0 – 180           |
| <b>8 965 666 028</b> | white       |        | (6 W)               |               | 51°                 |
| <b>8 965 656 028</b> | silver grey |        | warm white (3000 K) |               | 8°                  |

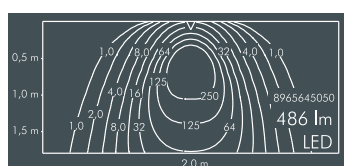


| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 965 645 028</b> | black       | 1.5 kg | 4 x LED 1.5 W          | 466 lm        | C 0 – 180           |
| <b>8 965 665 028</b> | white       |        | (6 W)                  |               | 51°                 |
| <b>8 965 655 028</b> | silver grey |        | neutral white (4000 K) |               | 8°                  |



### Nightspot A with wall arm, wide beam\*

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 965 646 058</b> | black       | 1.5 kg | 4 x LED 1.5 W       | 462 lm        | 45°                 |
| <b>8 965 666 058</b> | white       |        | (6 W)               |               |                     |
| <b>8 965 656 058</b> | silver grey |        | warm white (3000 K) |               |                     |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 965 645 058</b> | black       | 1.5 kg | 4 x LED 1.5 W          | 486 lm        | 45°                 |
| <b>8 965 665 058</b> | white       |        | (6 W)                  |               |                     |
| <b>8 965 655 058</b> | silver grey |        | neutral white (4000 K) |               |                     |

\*These luminaires are also available with medium wide beam optics upon request.

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65   (cable IP44 ) , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure by 4 stainless steel screws,  
base can be rotated 360°,  
1 drilled hole Ø 6.5 mm,  
knuckle joint with 110° tilt range,  
with 2.5 m cable H05RN-F3G1 and safety plug,  
stainless steel earthspike, integral driver (AC/DC)

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|----------------------------|
| <b>8 965 246 018</b> | black       | 1.2 kg | 4 x LED 1.5 W       | 506 lm        | 6°                         |
| <b>8 965 266 018</b> | white       |        | (6 W)               |               |                            |
| <b>8 965 256 018</b> | silver grey |        | warm white (3000 K) |               |                            |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|----------------------------|
| <b>8 965 245 018</b> | black       | 1.2 kg | 4 x LED 1.5 W          | 541 lm        | 6°                         |
| <b>8 965 265 018</b> | white       |        | (6 W)                  |               |                            |
| <b>8 965 255 018</b> | silver grey |        | neutral white (4000 K) |               |                            |

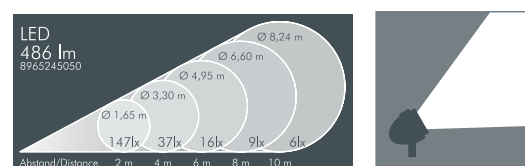
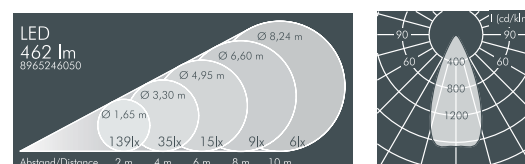
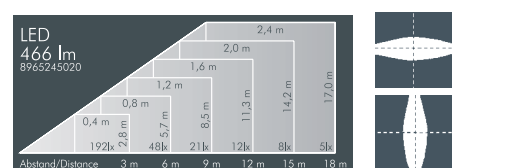
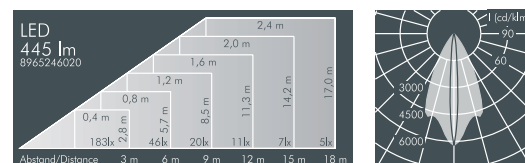
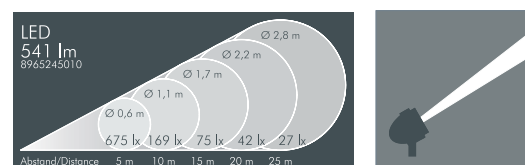
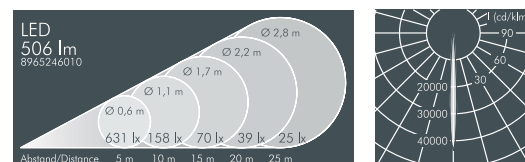
| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|----------------------------|------------|
| <b>8 965 246 028</b> | black       | 1.2 kg | 4 x LED 1.5 W       | 445 lm        | C 0 – 180                  | C 90 – 270 |
| <b>8 965 266 028</b> | white       |        | (6 W)               |               | 51°                        | 8°         |
| <b>8 965 256 028</b> | silver grey |        | warm white (3000 K) |               |                            |            |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|----------------------------|------------|
| <b>8 965 245 028</b> | black       | 1.2 kg | 4 x LED 1.5 W          | 466 lm        | C 0 – 180                  | C 90 – 270 |
| <b>8 965 265 028</b> | white       |        | (6 W)                  |               | 51°                        | 8°         |
| <b>8 965 255 028</b> | silver grey |        | neutral white (4000 K) |               |                            |            |

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|----------------------------|
| <b>8 965 246 058</b> | black       | 1.2 kg | 4 x LED 1.5 W       | 462 lm        | 45°                        |
| <b>8 965 266 058</b> | white       |        | (6 W)               |               |                            |
| <b>8 965 256 058</b> | silver grey |        | warm white (3000 K) |               |                            |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|----------------------------|
| <b>8 965 245 058</b> | black       | 1.2 kg | 4 x LED 1.5 W          | 486 lm        | 45°                        |
| <b>8 965 265 058</b> | white       |        | (6 W)                  |               |                            |
| <b>8 965 255 058</b> | silver grey |        | neutral white (4000 K) |               |                            |

\*These luminaires are also available with medium wide beam optics upon request.

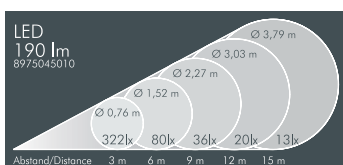
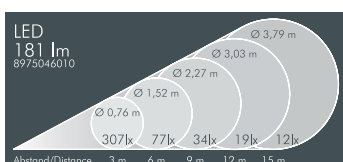
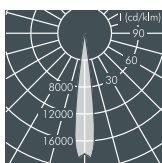
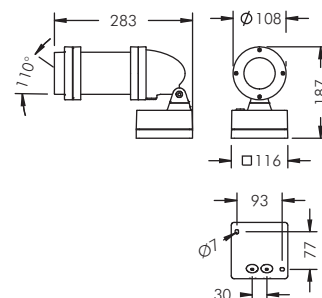


Luminaires available in 2700 K and other colour temperatures upon request



## Nightspot A Gobo

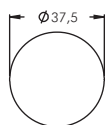
With high performance LED module,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L80/B10 > 50 000 h  
protection class I, IP65 , IK08  
corrosion-resistant die cast aluminium housing AlSi12  
and aluminium profile, polyester powder coated,  
focusable projection lens,  
carrier for gobos and colour filters,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws, mounting box:  
2 drilled holes Ø 7 mm, spacing 77 x 93 mm,  
articulated joint and tilt range 110°,  
luminaire housing can be turned through 360°,  
cable entry for 7 - 10 mm recessed or  
surface mounted cable, integral driver



### Nightspot A Gobo, 85 mm focal length

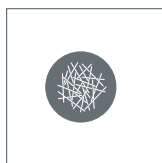
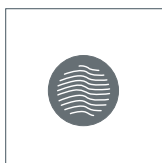
| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle |
|----------------------|-------------|--------|--------------------------------------------|---------------|------------|
| <b>8 975 046 018</b> | black       | 2.3 kg | 1 x LED module 19 W<br>warm white (3000 K) | 181 lm        | 14°        |
| <b>8 975 066 018</b> | white       |        |                                            |               |            |
| <b>8 975 056 018</b> | silver grey |        |                                            |               |            |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle |
|----------------------|-------------|--------|-----------------------------------------------|---------------|------------|
| <b>8 975 045 018</b> | black       | 2.3 kg | 1 x LED module 19 W<br>neutral white (4000 K) | 190 lm        | 14°        |
| <b>8 975 065 018</b> | white       |        |                                               |               |            |
| <b>8 975 055 018</b> | silver grey |        |                                               |               |            |



### Accessories Nightspot A Gobo Projector, 85 mm focal length

| Part number          | Colour | Description                                         |
|----------------------|--------|-----------------------------------------------------|
| <b>129 0 451 000</b> | yellow | <b>Dichroic colour filter,</b><br>internally fitted |
| <b>129 0 453 000</b> | blue   |                                                     |
| <b>129 0 457 000</b> | red    |                                                     |
| <b>129 0 458 000</b> | green  |                                                     |

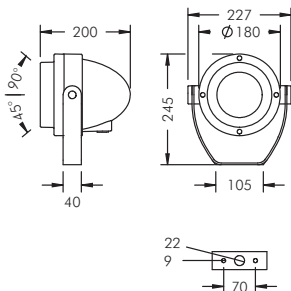


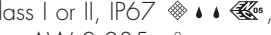
| Part number          | Example | Description                        |
|----------------------|---------|------------------------------------|
| <b>129 0 459 000</b> | waves   | <b>Standard gobos</b><br>Ø 37.5 mm |
| <b>129 0 460 000</b> | stars   |                                    |
| <b>129 0 461 000</b> | hatch   |                                    |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





**Nightspot A2 with mounting bracket**  
With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area AW 0.035 m<sup>2</sup>  
corrosion-resistant cast aluminium housing AlSi12,  
polyester powder coated,  
rotationally symmetrical aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
powder coated aluminium mounting bracket with  
tilt scale: 2 drilled holes Ø 9 mm, spacing 70 mm,  
1 centre hole Ø 22 mm, tilt range 135°,  
M20 cable gland, integral driver (AC/DC)

**Nightspot A2 with mounting bracket, narrow beam** (with secondary reflector)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 983 046 018</b> | black       | 2.7 kg | 1 x LED module 28 W<br>warm white (3000 K) | 2308 lm       | 11°                 |
| <b>8 983 066 018</b> | white       |        |                                            |               |                     |
| <b>8 983 056 018</b> | silver grey |        |                                            |               |                     |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 983 045 018</b> | black       | 2.7 kg | 1 x LED module 28 W<br>neutral white (4000 K) | 2492 lm       | 11°                 |
| <b>8 983 065 018</b> | white       |        |                                               |               |                     |
| <b>8 983 055 018</b> | silver grey |        |                                               |               |                     |

**Nightspot A2 LED with mounting bracket, narrow beam** (with secondary reflector)

| Part number*         | Colour      | Description                                                                                                                                         | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|------------|
| <b>8 983 046 078</b> | black       | <b>Luminaire with ribbed glass<br/>spreader lense</b> , internally fitted,<br>for linear beam distribution,<br>continuously adjustable through 360° | 1974 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 983 066 078</b> | white       |                                                                                                                                                     |               | 17°                 | 40°        |
| <b>8 983 056 078</b> | silver grey |                                                                                                                                                     |               |                     |            |
|                      |             | Weight 2.9 kg                                                                                                                                       |               |                     |            |

**Nightspot A2 with mounting bracket, medium wide beam** (with secondary reflector)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 983 046 048</b> | black       | 2.7 kg | 1 x LED module 28 W<br>warm white (3000 K) | 2277 lm       | 19°                 |
| <b>8 983 066 048</b> | white       |        |                                            |               |                     |
| <b>8 983 056 048</b> | silver grey |        |                                            |               |                     |

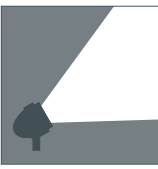
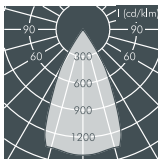
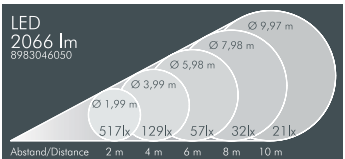
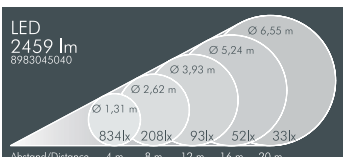
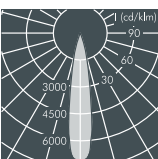
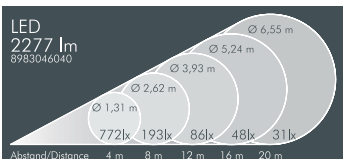
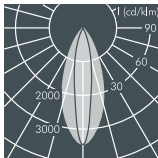
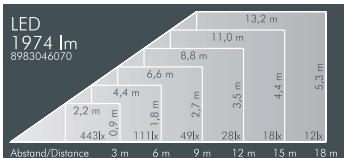
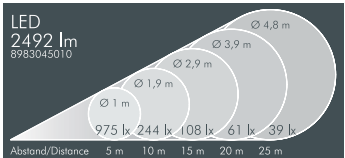
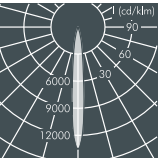
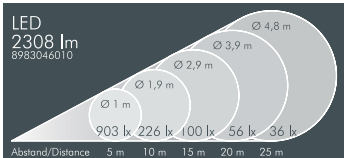
| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 983 045 048</b> | black       | 2.7 kg | 1 x LED module 28 W<br>neutral white (4000 K) | 2459 lm       | 19°                 |
| <b>8 983 065 048</b> | white       |        |                                               |               |                     |
| <b>8 983 055 048</b> | silver grey |        |                                               |               |                     |

**Nightspot A2 with mounting bracket, wide beam** (secondary reflector available as accessory)

| Part number*         | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 983 046 058</b> | black       | 2.7 kg | 1 x LED module 28 W<br>warm white (3000 K) | 2066 lm       | 53°                 |
| <b>8 983 066 058</b> | white       |        |                                            |               |                     |
| <b>8 983 056 058</b> | silver grey |        |                                            |               |                     |

| Part number          | Protection class I luminaire     |
|----------------------|----------------------------------|
| . . . . . <b>1..</b> | <b>Dimmable version (DALI)</b>   |
| . . . . . <b>2..</b> | <b>Dimmable version (1-10 V)</b> |
| Part number          | Protection class II luminaire    |
| . . . . . <b>5..</b> | <b>Luminaire not dimmable</b>    |
| . . . . . <b>6..</b> | <b>Dimmable version (DALI)</b>   |
| . . . . . <b>7..</b> | <b>Dimmable version (1-10 V)</b> |

\*These luminaires are also available with neutral white LED (4000 K) upon request.

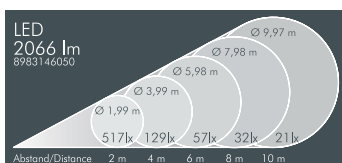
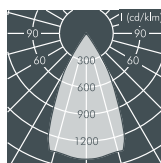
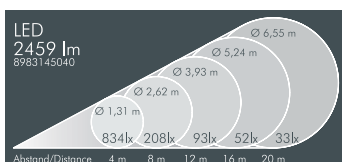
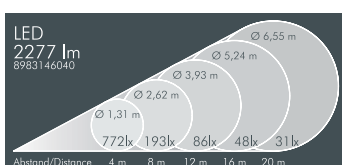
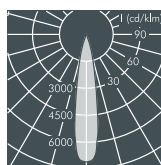
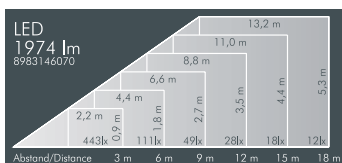
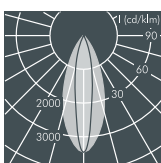
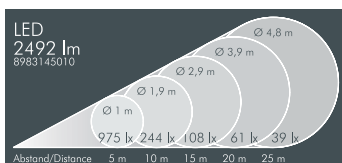
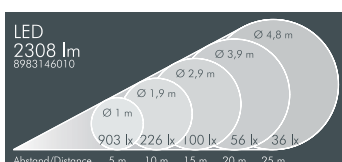
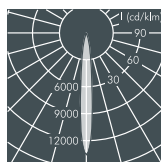
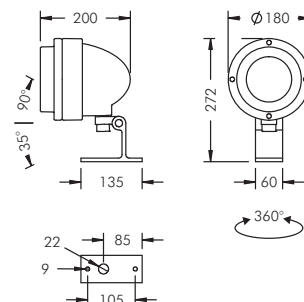


**LED** (see page 247)  
Luminaires available in 2700 K or other colour temperatures upon request



## Nightspot A2 with mounting base

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67   , IK08  
windage area AW 0.035 m<sup>2</sup>  
corrosion-resistant cast aluminium housing AlSi12,  
polyester powder coated,  
rotationally symmetrical aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
adjustable aluminium mounting base,  
polyester powder coated: 2 drilled holes Ø 9 mm,  
spacing 105 mm, 1 centre hole Ø 22 mm,  
tilt range 125°, swivel range 360°,  
M20 cable gland, integral driver (AC/DC)



LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request

### Nightspot A2 with mounting base, narrow beam (with secondary reflector)

| Part number          | Colour      | Weight | Light source        | Luminous flux | Half beam angle γ |
|----------------------|-------------|--------|---------------------|---------------|-------------------|
| <b>8 983 146 018</b> | black       | 2.5 kg | 1 x LED module 28 W | 2308 lm       | 11°               |
| <b>8 983 166 018</b> | white       |        | warm white (3000 K) |               |                   |
| <b>8 983 156 018</b> | silver grey |        |                     |               |                   |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Half beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 983 145 018</b> | black       | 2.5 kg | 1 x LED module 28 W    | 2492 lm       | 11°               |
| <b>8 983 165 018</b> | white       |        | neutral white (4000 K) |               |                   |
| <b>8 983 155 018</b> | silver grey |        |                        |               |                   |

### Nightspot A2 with mounting base, narrow beam (with secondary reflector)

| Part number *        | Colour      | Description                                                                                                                               | Luminous flux | Half beam angle γ |
|----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|
| <b>8 983 146 078</b> | black       | <b>Luminaire with ribbed glass spreader lense</b> , internally fitted, for linear beam distribution, continuously adjustable through 360° | 1974 lm       | C 0 – 180         |
| <b>8 983 166 078</b> | white       |                                                                                                                                           |               | 17°               |
| <b>8 983 156 078</b> | silver grey |                                                                                                                                           |               | 40°               |
|                      |             | Weight 2.7 kg                                                                                                                             |               |                   |

### Nightspot A2 with mounting base, medium wide beam (with secondary reflector)

| Part number          | Colour      | Weight | Light source        | Luminous flux | Half beam angle γ |
|----------------------|-------------|--------|---------------------|---------------|-------------------|
| <b>8 983 146 048</b> | black       | 2.5 kg | 1 x LED module 28 W | 2277 lm       | 19°               |
| <b>8 983 166 048</b> | white       |        | warm white (3000 K) |               |                   |
| <b>8 983 156 048</b> | silver grey |        |                     |               |                   |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Half beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 983 145 048</b> | black       | 2.5 kg | 1 x LED module 28 W    | 2459 lm       | 19°               |
| <b>8 983 165 048</b> | white       |        | neutral white (4000 K) |               |                   |
| <b>8 983 155 048</b> | silver grey |        |                        |               |                   |

### Nightspot A2 with mounting base, wide beam (secondary reflector available as accessory)

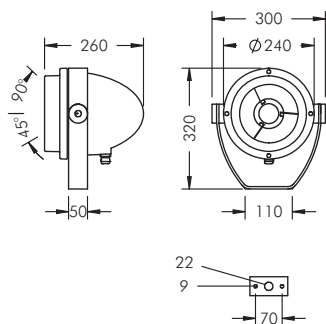
| Part number *        | Colour      | Weight | Light source        | Luminous flux | Half beam angle γ |
|----------------------|-------------|--------|---------------------|---------------|-------------------|
| <b>8 983 146 058</b> | black       | 2.5 kg | 1 x LED module 28 W | 2066 lm       | 53°               |
| <b>8 983 166 058</b> | white       |        | warm white (3000 K) |               |                   |
| <b>8 983 156 058</b> | silver grey |        |                     |               |                   |

| Part number                   | Protection class I luminaire     |
|-------------------------------|----------------------------------|
| <b>1 ..</b>                   | <b>Dimmable version (DALI)</b>   |
| <b>2 ..</b>                   | <b>Dimmable version (1-10 V)</b> |
| Protection class II luminaire |                                  |
| <b>5 ..</b>                   | <b>Luminaire not dimmable</b>    |
| <b>6 ..</b>                   | <b>Dimmable version (DALI)</b>   |
| <b>7 ..</b>                   | <b>Dimmable version (1-10 V)</b> |

\*These luminaires are also available with neutral white LED (4000 K) upon request.



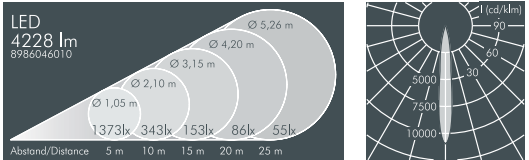




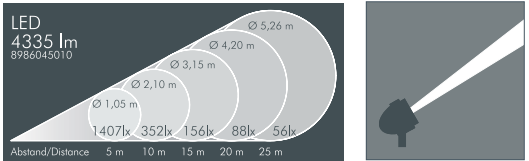
**Nightspot B with mounting bracket**  
With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area A<sub>W</sub> 0.05 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
rotationally symmetrical aluminium reflector,  
integral secondary reflector to reduce glare,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket powder coated aluminium with  
tilt scale: 2 drilled holes Ø 9 mm, spacing 70 mm,  
1 centre hole Ø 22 mm, tilt range 135°,  
M20 cable gland, integral driver (AC/DC)

**Nightspot B with mounting bracket, narrow beam** (with secondary reflector)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 986 046 018</b> | black       | 5.0 kg | 1 x LED module 54 W<br>warm white (3000 K) | 4228 lm       | 12°                 |
| <b>8 986 066 018</b> | white       |        |                                            |               |                     |
| <b>8 986 056 018</b> | silver grey |        |                                            |               |                     |

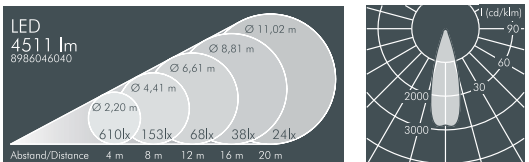


| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 986 045 018</b> | black       | 5.0 kg | 1 x LED module 54 W<br>neutral white (4000 K) | 4335 lm       | 12°                 |
| <b>8 986 065 018</b> | white       |        |                                               |               |                     |
| <b>8 986 055 018</b> | silver grey |        |                                               |               |                     |

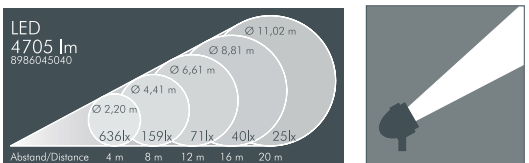


**Nightspot B with mounting bracket, medium wide beam** (with secondary reflector)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 986 046 048</b> | black       | 5.0 kg | 1 x LED module 54 W<br>warm white (3000 K) | 4511 lm       | 31°                 |
| <b>8 986 066 048</b> | white       |        |                                            |               |                     |
| <b>8 986 056 048</b> | silver grey |        |                                            |               |                     |

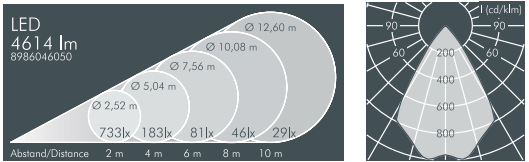


| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 986 045 048</b> | black       | 5.0 kg | 1 x LED module 54 W<br>neutral white (4000 K) | 4705 lm       | 31°                 |
| <b>8 986 065 048</b> | white       |        |                                               |               |                     |
| <b>8 986 055 048</b> | silver grey |        |                                               |               |                     |

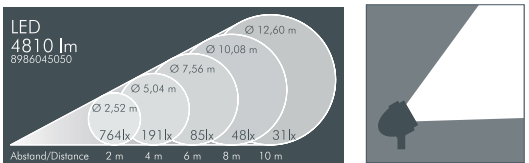


**Nightspot B with mounting bracket, wide beam** (secondary reflector available as accessory)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 986 046 058</b> | black       | 5.0 kg | 1 x LED module 54 W<br>warm white (3000 K) | 4614 lm       | 64°                 |
| <b>8 986 066 058</b> | white       |        |                                            |               |                     |
| <b>8 986 056 058</b> | silver grey |        |                                            |               |                     |



| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 986 045 058</b> | black       | 5.0 kg | 1 x LED module 54 W<br>neutral white (4000 K) | 4810 lm       | 64°                 |
| <b>8 986 065 058</b> | white       |        |                                               |               |                     |
| <b>8 986 055 058</b> | silver grey |        |                                               |               |                     |



| Part number | Protection class I luminaire     |
|-------------|----------------------------------|
| <b>1..</b>  | <b>Dimmable version (DALI)</b>   |
| <b>2..</b>  | <b>Dimmable version (1-10 V)</b> |
| Part number | Protection class II luminaire    |
| <b>5..</b>  | <b>Luminaire not dimmable</b>    |
| <b>6..</b>  | <b>Dimmable version (DALI)</b>   |
| <b>7..</b>  | <b>Dimmable version (1-10 V)</b> |

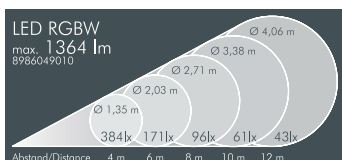
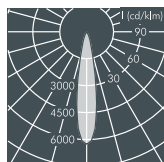
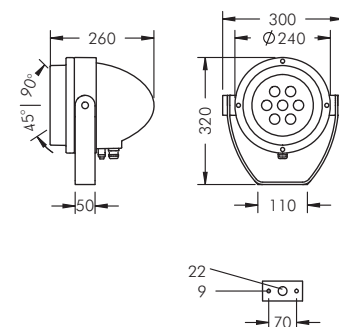
**LED** (see page 247)  
Luminaires available in 2700 K or other colour temperatures upon request





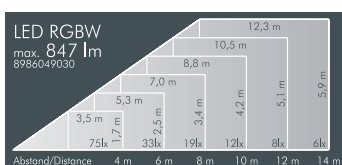
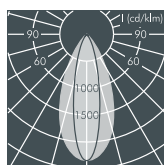
## Nightspot B RGBW with mounting bracket

With high performance LED modules RGBW,  
external DMX-controller required,  
integral temperature monitoring device  
protection class I, IP67 , IK08  
windage area A<sub>W</sub> 0.05 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
mounting bracket powder coated aluminium with  
tilt scale: 2 drilled holes Ø 9 mm, spacing 70 mm,  
1 centre hole Ø 22 mm, tilt range 135°,  
M20 cable gland for power supply and  
M12 cable gland for DMX signal In,  
RDM compatible integral driver (AC/DC)



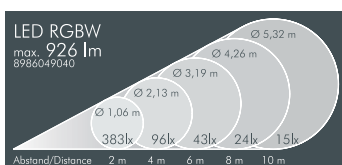
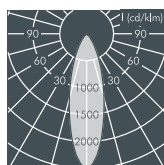
### Nightspot B RGBW with mounting bracket, narrow beam

| Part number          | Colour      | Light source              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------------------------|---------------|---------------------|
| <b>8 986 049 018</b> | black       | 7 x LED module RGBW 1.5 W | max.          | 19°                 |
| <b>8 986 069 018</b> | white       | W = 4000 K                | 1364 lm       |                     |
| <b>8 986 059 018</b> | silver grey | (max. 42 W)               |               |                     |
| Weight 6.1 kg        |             |                           |               |                     |



### Nightspot B RGBW with mounting bracket, elliptical beam spread

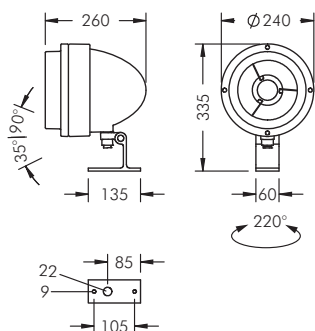
| Part number          | Colour      | Light source              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------------------------|---------------|---------------------|
| <b>8 986 049 038</b> | black       | 7 x LED module RGBW 1.5 W | max.          | C 0 – 180           |
| <b>8 986 069 038</b> | white       | W = 4000 K                | 847 lm        | C 90 – 270          |
| <b>8 986 059 038</b> | silver grey | (max. 42 W)               |               |                     |
| Weight 6.1 kg        |             |                           |               |                     |



### Nightspot B RGBW with mounting bracket, medium wide beam

| Part number          | Colour      | Light source              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------------------------|---------------|---------------------|
| <b>8 986 049 048</b> | black       | 7 x LED module RGBW 1.5 W | max.          | 30°                 |
| <b>8 986 069 048</b> | white       | W = 4000 K                | 926 lm        |                     |
| <b>8 986 059 048</b> | silver grey | (max. 42 W)               |               |                     |
| Weight 6.1 kg        |             |                           |               |                     |



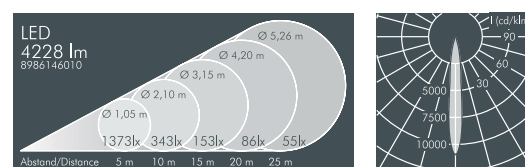


## Nightspot B with mounting base

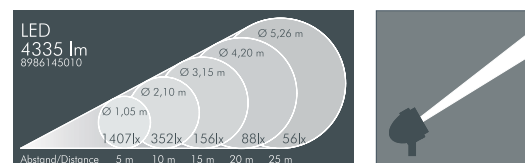
With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area AW 0.05 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
rotationally symmetrical aluminium reflector,  
integral secondary reflector to reduce glare,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
powder coated aluminium mounting base adjustable:  
2 drilled holes Ø 9 mm, spacing 105 mm,  
1 centre hole Ø 22 mm, tilt range 125°,  
swivel range 220°, M20 cable gland,  
integral driver (AC/DC)

### Nightspot B with mounting base, narrow beam (with secondary reflector)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 986 146 018</b> | black       | 5.5 kg | 1 x LED module 54 W<br>warm white (3000 K) | 4228 lm       | 12°                 |
| <b>8 986 166 018</b> | white       |        |                                            |               |                     |
| <b>8 986 156 018</b> | silver grey |        |                                            |               |                     |

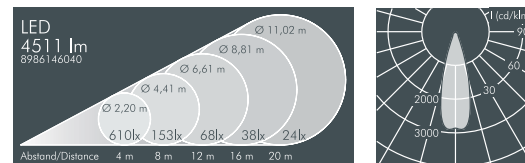


| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 986 145 018</b> | black       | 5.5 kg | 1 x LED module 54 W<br>neutral white (4000 K) | 4335 lm       | 12°                 |
| <b>8 986 165 018</b> | white       |        |                                               |               |                     |
| <b>8 986 155 018</b> | silver grey |        |                                               |               |                     |

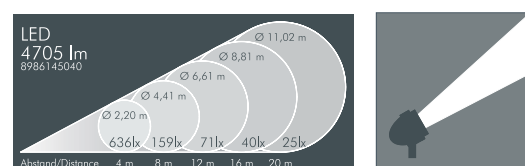


### Nightspot B with mounting base, medium wide beam (with secondary reflector)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 986 146 048</b> | black       | 5.5 kg | 1 x LED module 54 W<br>warm white (3000 K) | 4511 lm       | 31°                 |
| <b>8 986 166 048</b> | white       |        |                                            |               |                     |
| <b>8 986 156 048</b> | silver grey |        |                                            |               |                     |

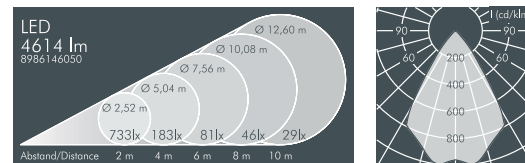


| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 986 145 048</b> | black       | 5.5 kg | 1 x LED module 54 W<br>neutral white (4000 K) | 4705 lm       | 31°                 |
| <b>8 986 165 048</b> | white       |        |                                               |               |                     |
| <b>8 986 155 048</b> | silver grey |        |                                               |               |                     |

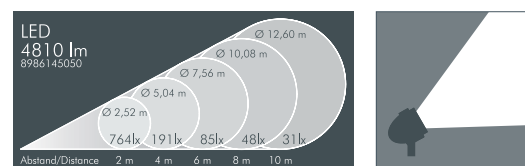


### Nightspot B with mounting base, wide beam (secondary reflector available as accessory)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 986 146 058</b> | black       | 5.5 kg | 1 x LED module 54 W<br>warm white (3000 K) | 4614 lm       | 64°                 |
| <b>8 986 166 058</b> | white       |        |                                            |               |                     |
| <b>8 986 156 058</b> | silver grey |        |                                            |               |                     |



| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 986 145 058</b> | black       | 5.5 kg | 1 x LED module 54 W<br>neutral white (4000 K) | 4810 lm       | 64°                 |
| <b>8 986 165 058</b> | white       |        |                                               |               |                     |
| <b>8 986 155 058</b> | silver grey |        |                                               |               |                     |



| Part number | Protection class I luminaire     |
|-------------|----------------------------------|
| ... 1..     | <b>Dimmable version (DALI)</b>   |
| ... 2..     | <b>Dimmable version (1-10 V)</b> |
| Part number | Protection class II luminaire    |
| ... 5..     | <b>Luminaire not dimmable</b>    |
| ... 6..     | <b>Dimmable version (DALI)</b>   |
| ... 7..     | <b>Dimmable version (1-10 V)</b> |

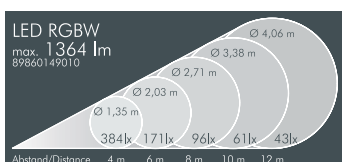
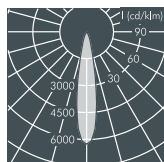
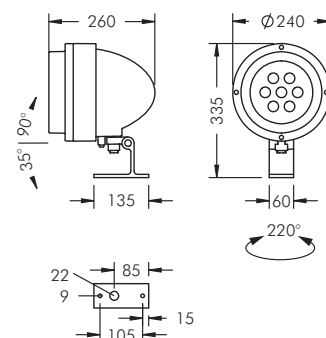
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



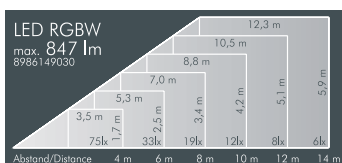
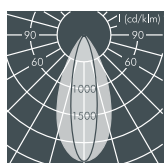
## Nightspot B RGBW with mounting base

With high performance LED modules RGBW,  
external DMX-controller required,  
integral temperature monitoring device  
protection class I, IP67 , IK08  
windage area AW 0.05 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
powder coated aluminium mounting base adjustable:  
2 drilled holes Ø 9 mm, spacing 105 mm,  
1 centre hole Ø 22 mm, tilt range 125°,  
swivel range 220°, M20 cable gland for power  
supply and M12 cable gland for DMX signal In,  
RDM compatible integral driver (AC/DC)



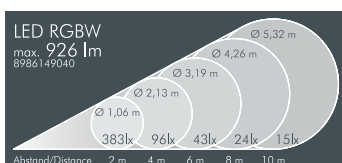
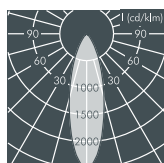
### Nightspot B RGBW with mounting base, narrow beam

| Part number          | Colour      | Light source              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------------------------|---------------|---------------------|
| <b>8 986 149 018</b> | black       | 7 x LED module RGBW 1.5 W | max.          | 19°                 |
| <b>8 986 169 018</b> | white       | W = 4000 K                | 1364 lm       |                     |
| <b>8 986 159 018</b> | silver grey | (max. 42 W)               |               |                     |
| Weight 5.9 kg        |             |                           |               |                     |



### Nightspot B RGBW with mounting base, elliptical beam spread

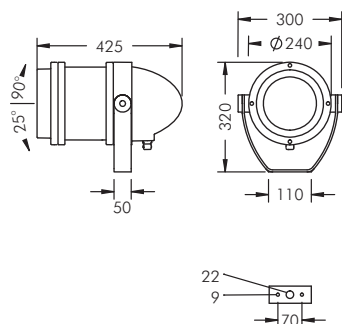
| Part number          | Colour      | Light source              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------------------------|---------------|---------------------|
| <b>8 986 149 038</b> | black       | 7 x LED module RGBW 1.5 W | max.          | C 0 – 180           |
| <b>8 986 169 038</b> | white       | W = 4000 K                | 847 lm        | C 90 – 270          |
| <b>8 986 159 038</b> | silver grey | (max. 42 W)               | 24°           | 47°                 |
| Weight 5.9 kg        |             |                           |               |                     |



### Nightspot B RGBW with mounting base, medium wide beam

| Part number          | Colour      | Light source              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------------------------|---------------|---------------------|
| <b>8 986 149 048</b> | black       | 7 x LED module RGBW 1.5 W | max.          | 30°                 |
| <b>8 986 169 048</b> | white       | W = 4000 K                | 926 lm        |                     |
| <b>8 986 159 048</b> | silver grey | (max. 42 W)               |               |                     |
| Weight 5.9 kg        |             |                           |               |                     |





## Nightspot B Gobo/RGBW Gobo

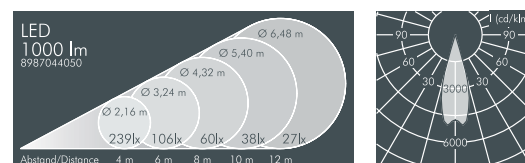
**Monochrome:** With high performance LED module, CRI: > 70, Colour tolerance: max. 4 SDCM Service life: L70/B20 > 50 000 h protection class I or II, IP67 , IK08 integral driver (AC/DC)

**RGBW:** With high performance LED module RGBW, protection class I, IP67 , IK08 external DMX-controller required, RDM compatible integral driver (AC/DC)

windage area AW 0.085 m<sup>2</sup>, corrosion-resistant die cast aluminium housing AlSi12 and aluminium profile, polyester powder coated, focusable lense, carrier for gobos and colour filters, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 4 stainless steel screws, mounting bracket powder coated aluminium with tilt scale: 2 drilled holes Ø 9 mm, spacing 70 mm, 1 centre hole Ø 22 mm, tilt range 115°, M20 cable gland

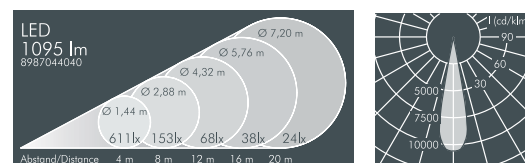
### Nightspot B Gobo Projector, 63 mm focal length

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle |
|----------------------|-------------|--------|---------------------|---------------|------------|
| <b>8 987 044 058</b> | black       | 8.0 kg | 1 x LED module 47 W | 1000 lm       | 30°        |
| <b>8 987 064 058</b> | white       |        | cool white (6500 K) |               |            |
| <b>8 987 054 058</b> | silver grey |        |                     |               |            |



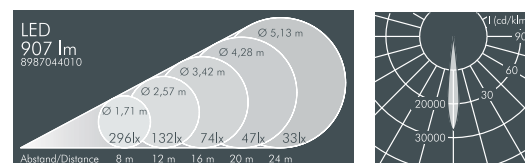
### Nightspot B Gobo Projector, 85 mm focal length

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle |
|----------------------|-------------|--------|---------------------|---------------|------------|
| <b>8 987 044 048</b> | black       | 8.0 kg | 1 x LED module 47 W | 1095 lm       | 20°        |
| <b>8 987 064 048</b> | white       |        | cool white (6500 K) |               |            |
| <b>8 987 054 048</b> | silver grey |        |                     |               |            |



### Nightspot B Gobo Projector, 150 mm focal length

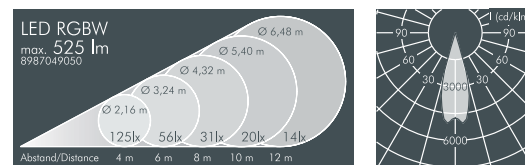
| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle |
|----------------------|-------------|--------|---------------------|---------------|------------|
| <b>8 987 044 018</b> | black       | 8.1 kg | 1 x LED module 47 W | 907 lm        | 12°        |
| <b>8 987 064 018</b> | white       |        | cool white (6500 K) |               |            |
| <b>8 987 054 018</b> | silver grey |        |                     |               |            |



| Part number | Protection class I luminaire     |
|-------------|----------------------------------|
| <b>1..</b>  | <b>Dimmable version (DALI)</b>   |
| <b>2..</b>  | <b>Dimmable version (1-10 V)</b> |
| Part number | Protection class II luminaire    |
| <b>5..</b>  | <b>Luminaire not dimmable</b>    |
| <b>6..</b>  | <b>Dimmable version (DALI)</b>   |
| <b>7..</b>  | <b>Dimmable version (1-10 V)</b> |

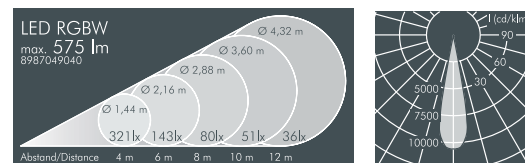
### Nightspot B RGBW Gobo Projector, 63 mm focal length

| Part number          | Colour      | Light source        | Luminous flux | Beam angle |
|----------------------|-------------|---------------------|---------------|------------|
| <b>8 987 049 058</b> | black       | 1 x LED module RGBW | max.          | 30°        |
| <b>8 987 069 058</b> | white       | W = 6000 K          | 525 lm        |            |
| <b>8 987 059 058</b> | silver grey | (max. 38 W)         |               |            |
| Weight 8.0 kg        |             |                     |               |            |



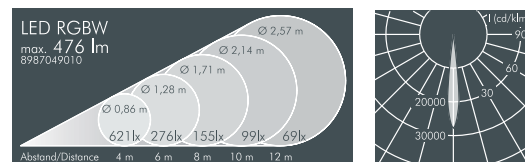
### Nightspot B RGBW Gobo Projector, 85 mm focal length

| Part number          | Colour      | Light source        | Luminous flux | Beam angle |
|----------------------|-------------|---------------------|---------------|------------|
| <b>8 987 049 048</b> | black       | 1 x LED module RGBW | max.          | 20°        |
| <b>8 987 069 048</b> | white       | W = 6000 K          | 575 lm        |            |
| <b>8 987 059 048</b> | silver grey | (max. 38 W)         |               |            |
| Weight 8.0 kg        |             |                     |               |            |



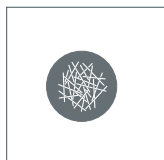
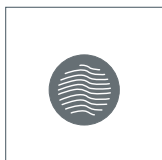
### Nightspot B RGBW Gobo Projector, 150 mm focal length

| Part number          | Colour      | Light source        | Luminous flux | Beam angle |
|----------------------|-------------|---------------------|---------------|------------|
| <b>8 987 049 018</b> | black       | 1 x LED module RGBW | max.          | 12°        |
| <b>8 987 069 018</b> | white       | W = 6000 K          | 476 lm        |            |
| <b>8 987 059 018</b> | silver grey | (max. 38 W)         |               |            |
| Weight 8.1 kg        |             |                     |               |            |



LED (see page 247)





#### Accessories Nightspot B Gobo 63/85/150 mm focal length

| Part number          | Colour | Description                   |
|----------------------|--------|-------------------------------|
| <b>129 0 551 000</b> | yellow | <b>Dichroic colour filter</b> |
| <b>129 0 557 000</b> | red    |                               |
| <b>129 0 553 000</b> | blue   |                               |
| <b>129 0 558 000</b> | green  |                               |

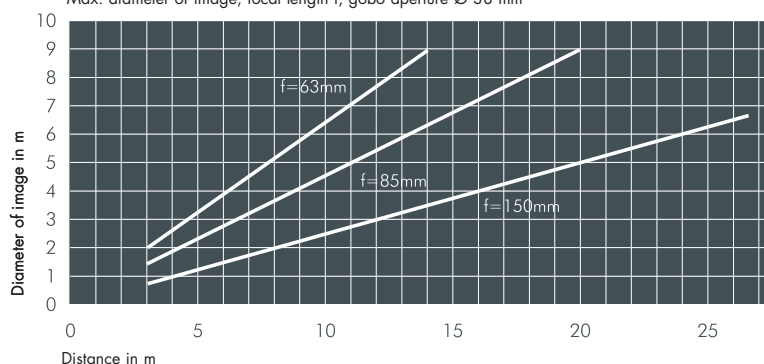
#### Accessories Nightspot B Gobo/RGBW Gobo

| Part number          | Description                                             |
|----------------------|---------------------------------------------------------|
| <b>129 0 257 000</b> | <b>Framer</b><br>for sharp edges on 3 or 4-sided images |

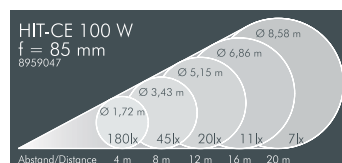
| Part number          | Example | Description                      |
|----------------------|---------|----------------------------------|
| <b>129 0 489 000</b> | waves   | <b>Standard gobos</b><br>Ø 50 mm |
| <b>129 0 490 000</b> | stars   |                                  |
| <b>129 0 491 000</b> | hash    |                                  |

Custom made gobos can be produced from Image data in one of the following file formats: **EPS** (min. 300 dpi), **TIF** (min. 300 dpi), **JPG** (in low compression).  
Max. image size D on gobo: D = 38 mm (outer diameter gobo 50 mm)

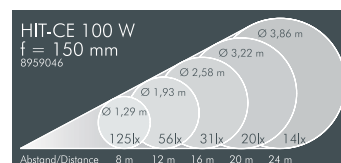
Max. diameter of image, focal length f, gobo aperture Ø 38 mm



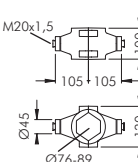
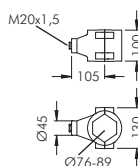
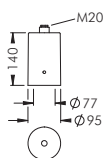
#### Lux level comparison HIT-CE 100 W / LED 47 W



focal length 85 mm, distance 12 m:  
HIT-CE 100 W:  
20 lux average level  
LED 47 W:  
68 lux average level



focal length 150 mm, distance 16 m:  
HIT-CE 100 W:  
31 lux average level  
LED 47 W:  
74 lux average level

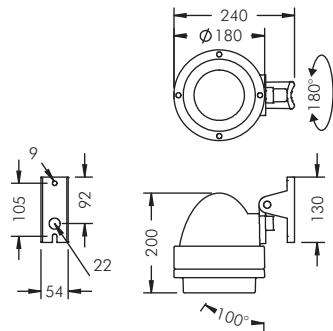


#### Accessories Nightspot B Gobo/RGBW Gobo

| Part number          | Colour      | Description                                                                                                                       |
|----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>128 0 626 940</b> | black       | <b>Pole Top Fitter</b> , aluminium,<br>for 76 mm pole top, with M20 x 1.5 connection thread,<br>for installation of one luminaire |
| <b>128 0 626 960</b> | white       |                                                                                                                                   |
| <b>128 0 626 950</b> | silver grey |                                                                                                                                   |

| Part number          | Colour      | Description                                                             |
|----------------------|-------------|-------------------------------------------------------------------------|
| <b>119 0 035 940</b> | black       | <b>Single pole mount adapter</b> , aluminium,<br>for poles Ø 76 – 89 mm |
| <b>119 0 035 960</b> | white       |                                                                         |
| <b>119 0 035 950</b> | silver grey |                                                                         |

| Part number          | Colour      | Description                                                             |
|----------------------|-------------|-------------------------------------------------------------------------|
| <b>119 0 036 940</b> | black       | <b>Double pole mount adapter</b> , aluminium,<br>for poles Ø 76 – 89 mm |
| <b>119 0 036 960</b> | white       |                                                                         |
| <b>119 0 036 950</b> | silver grey |                                                                         |



**Nightspot A2 pole luminaire**  
With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area AW 0.035 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
rotationally symmetrical aluminium reflector,  
integral secondary reflector to reduce glare,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for installation on poles Ø 60 - 100 mm,  
powder coated aluminium mounting base:  
2 drilled holes Ø 9 mm, spacing 105 mm,  
1 centre hole Ø 22 mm, tilt range 100°,  
swivel range 180°, M20 cable gland,  
integral driver (AC/DC)

**Nightspot A2 pole luminaire, narrow beam (with secondary reflector)**

| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| 8 983 246 018 | black       | 2.5 kg | 1 x LED module 28 W<br>warm white (3000 K) | 2308 lm       | 11°                 |
| 8 983 266 018 | white       |        |                                            |               |                     |
| 8 983 256 018 | silver grey |        |                                            |               |                     |

| Part number   | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| 8 983 245 018 | black       | 2.5 kg | 1 x LED module 28 W<br>neutral white (4000 K) | 2492 lm       | 11°                 |
| 8 983 265 018 | white       |        |                                               |               |                     |
| 8 983 255 018 | silver grey |        |                                               |               |                     |

**Nightspot A2 pole luminaire, narrow beam (with secondary reflector)**

| Part number*  | Colour      | Description                                                                                                                                         | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|------------|
| 8 983 246 078 | black       | <b>Luminaire with ribbed glass<br/>spreader lense</b> , internally fitted,<br>for linear beam distribution,<br>continuously adjustable through 360° | 1974 lm       | C 0 – 180           | C 90 – 270 |
| 8 983 266 078 | white       |                                                                                                                                                     |               | 17°                 | 40°        |
| 8 983 256 078 | silver grey |                                                                                                                                                     |               |                     |            |
|               |             | Weight 2.9 kg                                                                                                                                       |               |                     |            |

**Nightspot A2 pole luminaire, medium wide beam (with secondary reflector)**

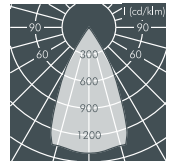
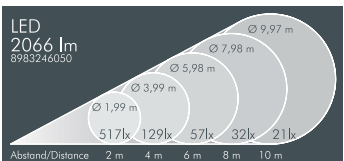
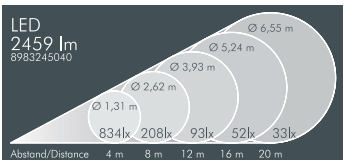
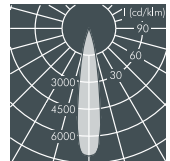
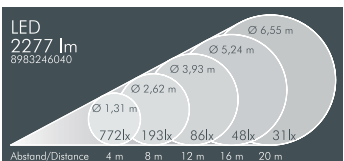
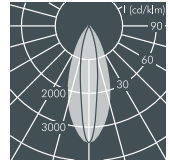
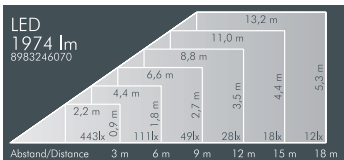
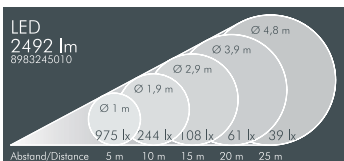
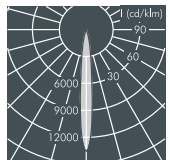
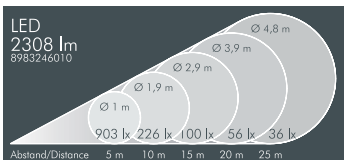
| Part number   | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| 8 983 246 048 | black       | 2.5 kg | 1 x LED module 28 W<br>warm white (3000 K) | 2277 lm       | 19°                 |
| 8 983 266 048 | white       |        |                                            |               |                     |
| 8 983 256 048 | silver grey |        |                                            |               |                     |

| Part number   | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| 8 983 245 048 | black       | 2.5 kg | 1 x LED module 28 W<br>neutral white (4000 K) | 2459 lm       | 19°                 |
| 8 983 265 048 | white       |        |                                               |               |                     |
| 8 983 255 048 | silver grey |        |                                               |               |                     |

**Nightspot A2 pole luminaire, wide beam (secondary reflector available as accessory)**

| Part number*  | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|---------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| 8 983 246 058 | black       | 2.5 kg | 1 x LED module 28 W<br>warm white (3000 K) | 2066 lm       | 53°                 |
| 8 983 266 058 | white       |        |                                            |               |                     |
| 8 983 256 058 | silver grey |        |                                            |               |                     |

| Part number   | Protection class I luminaire     |
|---------------|----------------------------------|
| • • • • • 1.. | <b>Dimmable version (DALI)</b>   |
| • • • • • 2.. | <b>Dimmable version (1-10 V)</b> |
| Part number   | Protection class II luminaire    |
| • • • • • 5.. | <b>Luminaire not dimmable</b>    |
| • • • • • 6.. | <b>Dimmable version (DALI)</b>   |
| • • • • • 7.. | <b>Dimmable version (1-10 V)</b> |



\*These luminaires are also available with neutral white LED (4000 K) upon request.

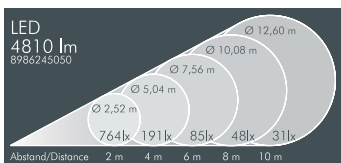
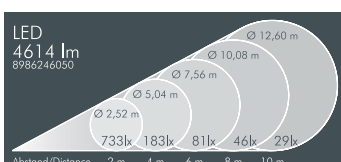
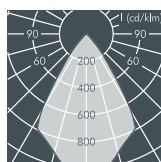
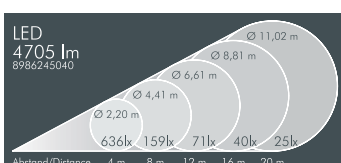
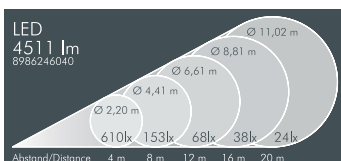
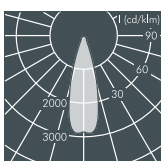
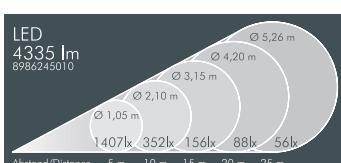
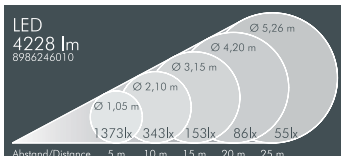
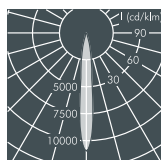
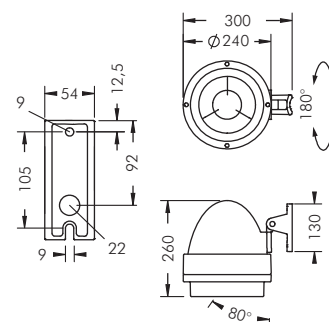
**LED** (see page 247)  
Luminaires available in 2700 K or other colour temperatures upon request





## Nightspot B pole luminaire

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area AW 0.05 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
rotationally symmetrical aluminium reflector,  
integral secondary reflector to reduce glare,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for pole diameter Ø 60 - 100 mm,  
rotatable, powder coated aluminium mounting base:  
2 drilled holes Ø 9 mm, spacing 105 mm,  
1 centre hole Ø 22 mm, tilt range 80°,  
swivel range 180°, M20 cable gland,  
integral driver (AC/DC)



### Nightspot B pole luminaire, narrow beam (with secondary reflector)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 986 246 018</b> | black       | 5.5 kg | 1 x LED module 54 W<br>warm white (3000 K) | 4228 lm       | 12°                 |
| <b>8 986 266 018</b> | white       |        |                                            |               |                     |
| <b>8 986 256 018</b> | silver grey |        |                                            |               |                     |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 986 245 018</b> | black       | 5.5 kg | 1 x LED module 54 W<br>neutral white (4000 K) | 4335 lm       | 12°                 |
| <b>8 986 265 018</b> | white       |        |                                               |               |                     |
| <b>8 986 255 018</b> | silver grey |        |                                               |               |                     |

### Nightspot B pole luminaire, medium wide beam (with secondary reflector)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 986 246 048</b> | black       | 5.5 kg | 1 x LED module 54 W<br>warm white (3000 K) | 4511 lm       | 31°                 |
| <b>8 986 266 048</b> | white       |        |                                            |               |                     |
| <b>8 986 256 048</b> | silver grey |        |                                            |               |                     |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 986 245 048</b> | black       | 5.5 kg | 1 x LED module 54 W<br>neutral white (4000 K) | 4705 lm       | 31°                 |
| <b>8 986 265 048</b> | white       |        |                                               |               |                     |
| <b>8 986 255 048</b> | silver grey |        |                                               |               |                     |

### Nightspot B pole luminaire, wide beam (secondary reflector available as accessory)

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 986 246 058</b> | black       | 5.5 kg | 1 x LED module 54 W<br>warm white (3000 K) | 4614 lm       | 64°                 |
| <b>8 986 266 058</b> | white       |        |                                            |               |                     |
| <b>8 986 256 058</b> | silver grey |        |                                            |               |                     |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 986 245 058</b> | black       | 5.5 kg | 1 x LED module 54 W<br>neutral white (4000 K) | 4810 lm       | 64°                 |
| <b>8 986 265 058</b> | white       |        |                                               |               |                     |
| <b>8 986 255 058</b> | silver grey |        |                                               |               |                     |

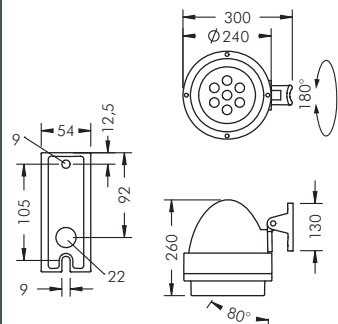
| Part number     | Protection class I luminaire     |
|-----------------|----------------------------------|
| <b>... 1 ..</b> | <b>Dimmable version (DALI)</b>   |
| <b>... 2 ..</b> | <b>Dimmable version (1-10 V)</b> |
| Part number     | Protection class II luminaire    |
| <b>... 5 ..</b> | <b>Luminaire not dimmable</b>    |
| <b>... 6 ..</b> | <b>Dimmable version (DALI)</b>   |
| <b>... 7 ..</b> | <b>Dimmable version (1-10 V)</b> |

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request

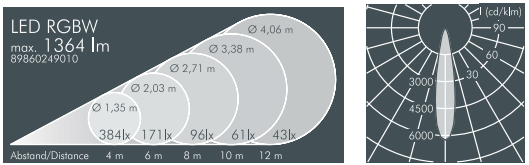




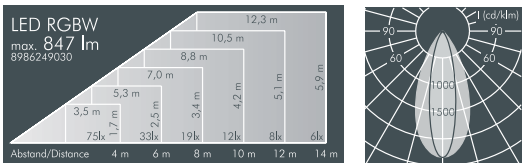


**Nightspot B RGBW pole luminaire**  
With high performance LED modules RGBW, external DMX-controller required, integral temperature monitoring device protection class I, IP67  , IK08 windage area A<sub>W</sub> 0.05 m<sup>2</sup> corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 4 stainless steel screws, for pole diameter Ø 60 - 100 mm, rotatable, powder coated aluminium mounting base: 2 drilled holes Ø 9 mm, spacing 105 mm, 1 centre hole Ø 22 mm, tilt range 80°, swivel range 180°, M20 cable gland, connection by hybrid cable 230 V/DMX, RDM compatible integral driver (AC/DC)

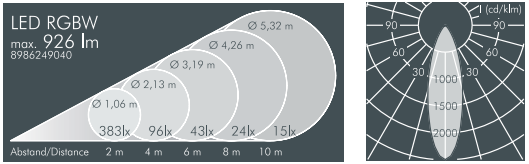
| Nightspot B RGBW pole luminaire, narrow beam |             |                           |                 |                     |
|----------------------------------------------|-------------|---------------------------|-----------------|---------------------|
| Part number                                  | Colour      | Light source              | Luminous flux   | Beam angle γ (FWHM) |
| 8 986 249 018                                | black       | 7 x LED module RGBW 1.5 W | max.<br>1364 lm | 19°                 |
| 8 986 269 018                                | white       | W = 4000 K                |                 |                     |
| 8 986 259 018                                | silver grey | (max. 42 W)               |                 |                     |
| Weight 5.8 kg                                |             |                           |                 |                     |



| Nightspot B RGBW pole luminaire, elliptical beam spread |             |                           |                |                            |  |  |
|---------------------------------------------------------|-------------|---------------------------|----------------|----------------------------|-------------------------------------------------------------------------------------|--|
| Part number                                             | Colour      | Light source              | Luminous flux  | Beam angle $\gamma$ (FWHM) |                                                                                     |  |
| <b>8 986 249 038</b>                                    | black       | 7 x LED module RGBW 1.5 W | max.<br>847 lm | C 0 – 180                  | C 90 – 270                                                                          |  |
| <b>8 986 269 038</b>                                    | white       | W = 4000 K                |                | 24°                        | 47°                                                                                 |  |
| <b>8 986 259 038</b>                                    | silver grey | (max. 42 W)               |                |                            |                                                                                     |  |
| Weight 5.8 kg                                           |             |                           |                |                            |                                                                                     |  |

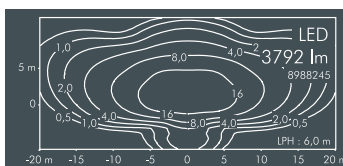
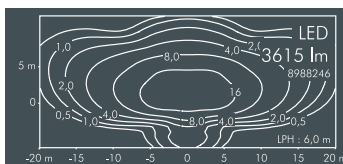
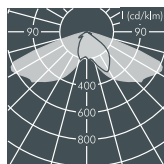
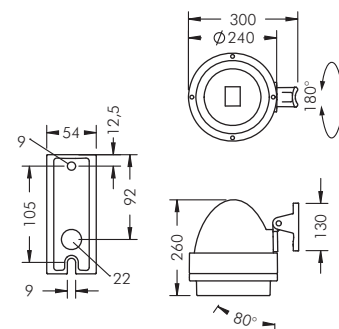


| Nightspot B RGBW pole luminaire, medium wide beam |             |                           |                |                     |
|---------------------------------------------------|-------------|---------------------------|----------------|---------------------|
| Part number                                       | Colour      | Light source              | Luminous flux  | Beam angle γ (FWHM) |
| 8 986 249 048                                     | black       | 7 x LED module RGBW 1.5 W | max.<br>926 lm | 30°                 |
| 8 986 269 048                                     | white       | W = 4000 K                |                |                     |
| 8 986 259 048                                     | silver grey | (max. 42 W)               |                |                     |
| Weight 5.8 kg                                     |             |                           |                |                     |



## Nightspot B pole luminaire Street Optic

With high performance LED module,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I or II, IP67 , IK08  
windage area A<sub>W</sub> 0.05 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
lens made of high efficiency optical silicon,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
for pole diameter Ø 60 - 100 mm,  
rotatable, powder coated aluminium mounting base:  
2 drilled holes Ø 9 mm, spacing 105 mm,  
1 centre hole Ø 22 mm, tilt range 80°,  
swivel range 180°, M20 cable gland,  
integral driver



### Nightspot B pole luminaire, Street Optic

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 988 246 008</b> | black       | 5.3 kg | 1 x LED module 41 W<br>warm white (3000 K) | 3615 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 988 266 008</b> | white       |        |                                            |               | 63°                 | 28°        |
| <b>8 988 256 008</b> | silver grey |        |                                            |               |                     |            |

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------|---------------|---------------------|------------|
| <b>8 988 245 008</b> | black       | 5.3 kg | 1 x LED module 41 W<br>neutral white (4000 K) | 3792 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 988 265 008</b> | white       |        |                                               |               | 63°                 | 28°        |
| <b>8 988 255 008</b> | silver grey |        |                                               |               |                     |            |

| Part number | Protection class I luminaire     |
|-------------|----------------------------------|
| <b>1..</b>  | <b>Dimmable version (DALI)</b>   |
| <b>2..</b>  | <b>Dimmable version (1-10 V)</b> |
|             | Protection class II luminaire    |
| <b>5..</b>  | <b>Luminaire not dimmable</b>    |
| <b>6..</b>  | <b>Dimmable version (DALI)</b>   |
| <b>7..</b>  | <b>Dimmable version (1-10 V)</b> |

### Illumination examples (according to DIN EN 13201-2)

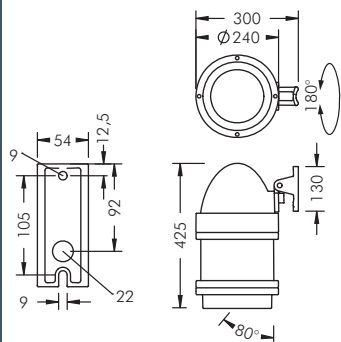
|                           | Lighting situation |        |        |        |
|---------------------------|--------------------|--------|--------|--------|
|                           | S(P)2              | S(P)3  | S(P)4  | S(P)5  |
| <b>LPH</b>                | 6 m                | 6 m    | 6 m    | 6 m    |
| <b>D</b>                  | 30 m               | 36 m   | 40 m   | 42 m   |
| <b>D/H</b>                | 5                  | 6      | 6.7    | 7      |
| <b>Em</b>                 | 10.1 lx            | 8.4 lx | 7.6 lx | 7.2 lx |
| <b>E<sub>min</sub></b>    | 4.4 lx             | 1.5 lx | 1.0 lx | 0.7 lx |
| <b>E<sub>min</sub>/Em</b> | 0.43               | 0.22   | 0.13   | 0.1    |
| <b>TI*</b>                | 15%                | 17%    | 19%    | 20%    |

\* TI: Threshold Increment (unit for measuring glare).  
A low TI value indicates a low glare factor.

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request





## Nightspot B/RGBW Gobo pole luminaire

**Monochrome:** With high performance LED module, CRI: > 70, Colour tolerance: max. 4 SDCM  
Service life: L70/B20 > 50 000 h  
protection class I or II, IP67                                                                                                                                                                                                                                                                                                                                                                                                                            



### Accessories Nightspot

#### A2

| Part number          | Colour      | Description                                                                                                                           |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>129 0 578 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting.<br>Only one accessory per luminaire, not in combination. |
| <b>129 0 578 960</b> | white       |                                                                                                                                       |
| <b>129 0 578 950</b> | silver grey |                                                                                                                                       |

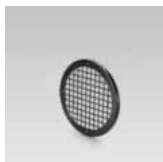
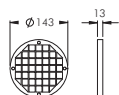
#### B

| Part number          | Colour      | Description                                                                                                                           |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>129 0 320 940</b> | black       | <b>Cowl</b> , stainless steel,<br>to avoid lateral glare, for retro-fitting.<br>Only one accessory per luminaire, not in combination. |
| <b>129 0 320 960</b> | white       |                                                                                                                                       |
| <b>129 0 320 950</b> | silver grey |                                                                                                                                       |



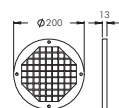
#### A2

| Part number          | Colour      | Description                                                                                                               |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>129 0 591 940</b> | black       | <b>Protection grill</b> , stainless steel,<br>to protect the glass lens from breakage and vandalism,<br>for retro-fitting |
| <b>129 0 591 960</b> | white       |                                                                                                                           |
| <b>129 0 591 950</b> | silver grey |                                                                                                                           |



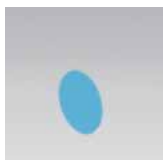
#### B

| Part number          | Colour      | Description                                                                                                               |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>129 0 340 940</b> | black       | <b>Protection grill</b> , stainless steel,<br>to protect the glass lens from breakage and vandalism,<br>for retro-fitting |
| <b>129 0 340 960</b> | white       |                                                                                                                           |
| <b>129 0 340 950</b> | silver grey |                                                                                                                           |



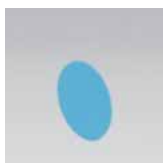
#### A2

| Part number          | Colour | Description                                       |
|----------------------|--------|---------------------------------------------------|
| <b>129 0 581 000</b> | yellow | <b>Dichroic colour filter</b> , internally fitted |
| <b>129 0 587 000</b> | red    |                                                   |
| <b>129 0 583 000</b> | blue   |                                                   |
| <b>129 0 588 000</b> | green  |                                                   |



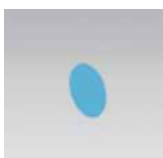
#### B\*

| Part number          | Colour | Description                                                                                            |
|----------------------|--------|--------------------------------------------------------------------------------------------------------|
| <b>129 0 681 000</b> | yellow | <b>Dichroic colour filter</b> , internally fitted<br><br>*not suitable for luminaires <b>8 988 ...</b> |
| <b>129 0 687 000</b> | red    |                                                                                                        |
| <b>129 0 683 000</b> | blue   |                                                                                                        |
| <b>129 0 688 000</b> | green  |                                                                                                        |



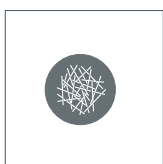
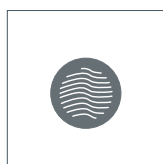
#### B Gobo

| Part number          | Colour | Description                                       |
|----------------------|--------|---------------------------------------------------|
| <b>129 0 551 000</b> | yellow | <b>Dichroic colour filter</b> , internally fitted |
| <b>129 0 557 000</b> | red    |                                                   |
| <b>129 0 553 000</b> | blue   |                                                   |
| <b>129 0 558 000</b> | green  |                                                   |



#### B Gobo / B RGBW Gobo

| Part number          | Description                                             |
|----------------------|---------------------------------------------------------|
| <b>129 0 257 000</b> | <b>Framer</b><br>for sharp edges on 3 or 4-sided images |

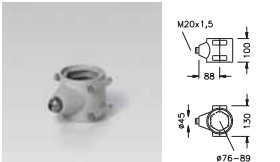


| Part number          | Part number          | Part number          | Description                     |
|----------------------|----------------------|----------------------|---------------------------------|
| <b>129 0 489 000</b> | <b>129 0 490 000</b> | <b>129 0 491 000</b> | <b>Standardgobos</b><br>Ø 50 mm |
| Example waves        | Example stars        | Example hash         |                                 |
|                      |                      |                      |                                 |

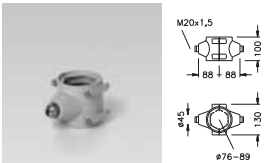
Custom made gobos can be produced from Image data in one of the following file formats: **EPS** (min. 300 dpi), **TIF** (min. 300 dpi), **JPG** (in low compression).

Max. image size D on gobo: D = 38 mm (outer diameter gobo 50 mm)

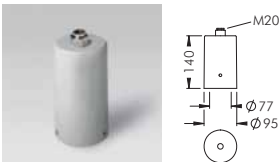
| A2, B         |             |                                                                         |
|---------------|-------------|-------------------------------------------------------------------------|
| Part number   | Colour      | Description                                                             |
| 119 0 033 940 | black       | <b>Single pole mount clamp,</b><br>aluminium,<br>for poles Ø 76 – 89 mm |
| 119 0 033 960 | white       |                                                                         |
| 119 0 033 950 | silver grey |                                                                         |



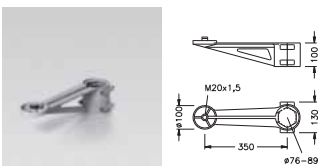
| A2, B         |             |                                                                         |
|---------------|-------------|-------------------------------------------------------------------------|
| Part number   | Colour      | Description                                                             |
| 119 0 034 940 | black       | <b>Double pole mount clamp,</b><br>aluminium,<br>for poles Ø 76 – 89 mm |
| 119 0 034 960 | white       |                                                                         |
| 119 0 034 950 | silver grey |                                                                         |



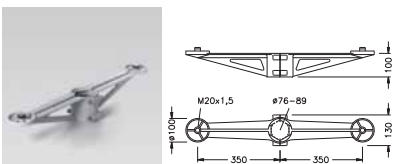
| A2, B, B Gobo |             |                                                                                                                                  |
|---------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|
| Part number   | Colour      | Description                                                                                                                      |
| 128 0 626 940 | black       | <b>Pole Top Fitter,</b> aluminium,<br>for 76 mm pole top, with M20 x 1.5 connection thread,<br>for installation of one luminaire |
| 128 0 626 960 | white       |                                                                                                                                  |
| 128 0 626 950 | silver grey |                                                                                                                                  |

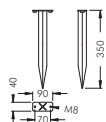


| A2, B, B Gobo |             |                                                                       |
|---------------|-------------|-----------------------------------------------------------------------|
| Part number   | Colour      | Description                                                           |
| 119 0 031 940 | black       | <b>Single pole mount arm,</b><br>aluminium,<br>for poles Ø 76 – 89 mm |
| 119 0 031 960 | white       |                                                                       |
| 119 0 031 950 | silver grey |                                                                       |

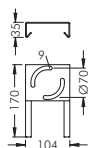


| A2, B, B Gobo |             |                                                                       |
|---------------|-------------|-----------------------------------------------------------------------|
| Part number   | Colour      | Description                                                           |
| 119 0 032 940 | black       | <b>Double pole mount arm,</b><br>aluminium,<br>for poles Ø 76 – 89 mm |
| 119 0 032 960 | white       |                                                                       |
| 119 0 032 950 | silver grey |                                                                       |



**A2, B**

| Part number          | Colour      | Description                                                          |
|----------------------|-------------|----------------------------------------------------------------------|
| <b>129 0 390 940</b> | black       | <b>Stainless steel earth spike,</b><br>for use in landscape lighting |
| <b>129 0 390 960</b> | white       |                                                                      |
| <b>129 0 390 950</b> | silver grey |                                                                      |



| Part number          | Description                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 623 940</b> | <b>Expandable tree strap with mounting plate,</b><br>made of polyester fiber for trunk circumference 350 – 450 mm*,<br>with polyester powder coated mounting plate |

\*different lengths available upon request

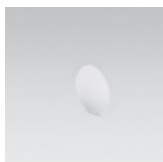
**A2, B, wide beam**

| A2                   | B                    | Description                                                                |
|----------------------|----------------------|----------------------------------------------------------------------------|
| Part number          | Part number          | Description                                                                |
| <b>129 0 653 000</b> | <b>129 0 660 000</b> | <b>Secondary reflector,</b><br>internally fitted,<br>to avoid direct glare |

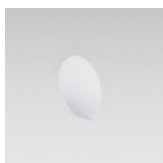
**B\*, narrow beam, medium wide beam**

| Part number          | Description                                                | Half beam angle γ |                  |
|----------------------|------------------------------------------------------------|-------------------|------------------|
| <b>129 0 647 000</b> | <b>Prismatic glass,</b><br>for diffused light distribution | narrow beam       | medium wide beam |
|                      |                                                            | 24°               | 47°              |

\*not suitable for luminaires **8 988 ...**

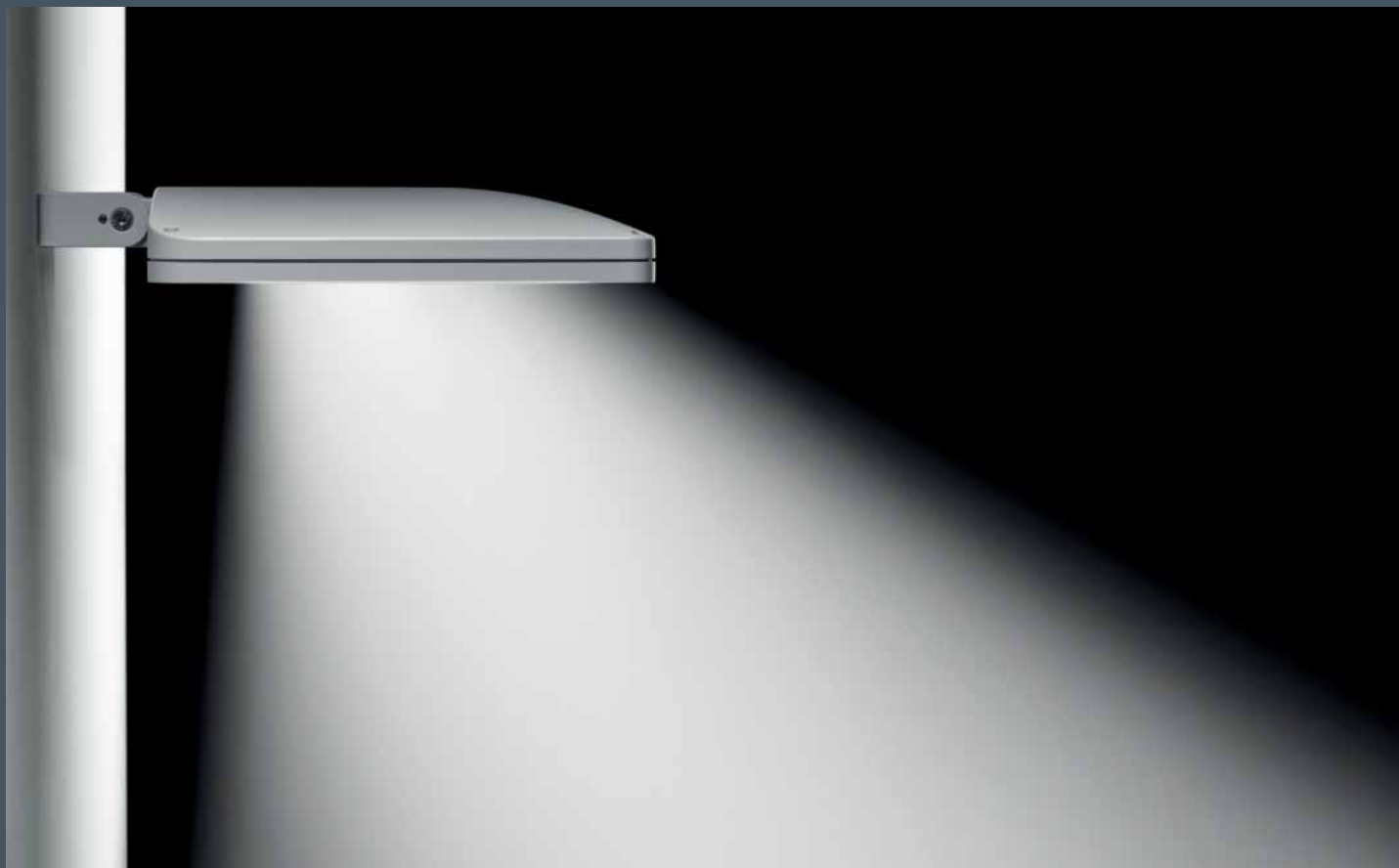
**A2, narrow beam**

| Part number          | Description                                                                                         | Half beam angle γ |          |
|----------------------|-----------------------------------------------------------------------------------------------------|-------------------|----------|
| <b>129 0 580 000</b> | <b>Ribbed glass,</b> internally fitted,<br>for linear beam control,<br>continuously adjustable 360° | C 0-180           | C 90-270 |
|                      |                                                                                                     | 17°               | 40°      |
|                      |                                                                                                     |                   |          |

**B\*, narrow beam, medium wide beam**

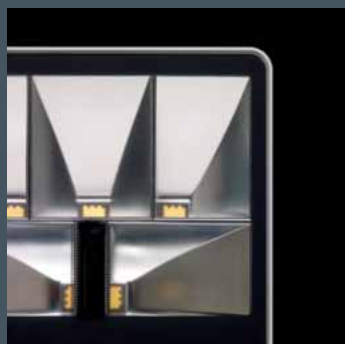
| Part number          | Description                                                                                         | Half beam angle γ |          |                  |          |
|----------------------|-----------------------------------------------------------------------------------------------------|-------------------|----------|------------------|----------|
| <b>129 0 627 000</b> | <b>Ribbed glass,</b> internally fitted,<br>for linear beam control,<br>continuously adjustable 360° | narrow beam       |          | medium wide beam |          |
|                      |                                                                                                     | C 0-180           | C 90-270 | C 0-180          | C 90-270 |
|                      |                                                                                                     | 15°               | 34°      | 32°              | 55°      |

\*not suitable for luminaires **8 988 ...**



Monospace are innovative new area floodlights with puristic design and precise optics. By combining wide beam and asymmetrical reflectors it is possible to choose the ideal light distribution for specific lighting applications. The luminaires are developed for use in urban spaces, pedestrian areas, streets and cycles paths. With neutral and timeless design Monospace can be harmoniously integrated into the landscape architecture.

The luminaires are available with wall mounting brackets or with pole-top fitters. The smooth housing surface is dirt repellent and easy to maintain.



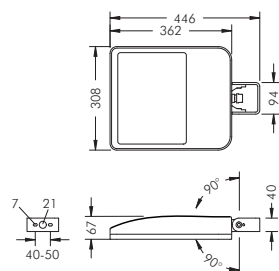




Pole-top luminaires are available complete with one or two floodlights. With a choice of various different light distributions and wattages this configuration can be adapted to a distinct lighting task. The units are pre-assembled for easy installation.



The neutral and functional design of Monospace is compatible with many different architectural environments.



## Monospace with wall bracket

With highly efficient LED modules,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.026 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient metallized PC reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
4 stainless steel screws,  
front frame with anti-drop device,  
mounting bracket: 2 drilled holes Ø 7 mm,  
spacing 40 - 50 mm, 1 centre hole Ø 21 mm,  
tilt range 180°, M20 cable gland,  
integral driver

### Monospace, asymmetrical beam

| Part number*         | Colour      | Weight | Light source          | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------|---------------|-------------------|
| <b>8 250 046 048</b> | black       | 4.5 kg | 4 x LED module 11.5 W | 5618 lm       | 58°               |
| <b>8 250 066 048</b> | white       |        | (46 W)                |               |                   |
| <b>8 250 056 048</b> | silver grey |        | warm white (3000 K)   |               |                   |

### Monospace, asymmetrical beam, High Output

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|---------------------|---------------|-------------------|
| <b>8 251 046 048</b> | black       | 4.8 kg | 4 x LED module 20 W | 9041 lm       | 58°               |
| <b>8 251 066 048</b> | white       |        | (80 W)              |               |                   |
| <b>8 251 056 048</b> | silver grey |        | warm white (3000 K) |               |                   |

### Monospace, asymmetrical wide beam

| Part number*         | Colour      | Weight | Light source          | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------|---------------|---------------------|------------|
| <b>8 250 046 088</b> | black       | 4.5 kg | 5 x LED module 10.8 W | 6643 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 250 066 088</b> | white       |        | (54 W)                |               | 60°                 | 138°       |
| <b>8 250 056 088</b> | silver grey |        | warm white (3000 K)   |               |                     |            |

### Monospace, asymmetrical wide beam, High Output

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 251 046 088</b> | black       | 4.8 kg | 5 x LED module 16 W | 9120 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 251 066 088</b> | white       |        | (80 W)              |               | 60°                 | 138°       |
| <b>8 251 056 088</b> | silver grey |        | warm white (3000 K) |               |                     |            |

### Monospace, lateral wide beam

| Part number*         | Colour      | Weight | Light source          | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------|---------------|---------------------|------------|
| <b>8 250 046 058</b> | black       | 4.5 kg | 4 x LED module 11.5 W | 5635 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 250 066 058</b> | white       |        | (46 W)                |               | 33°                 | 148°       |
| <b>8 250 056 058</b> | silver grey |        | warm white (3000 K)   |               |                     |            |

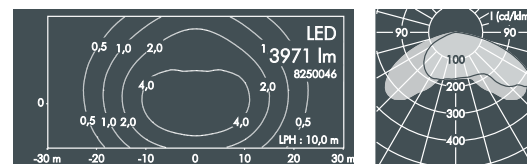
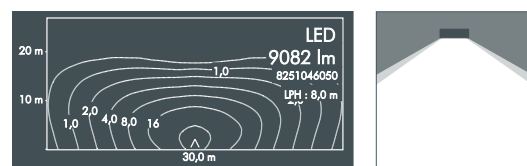
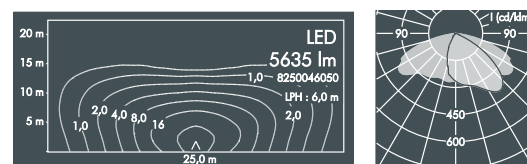
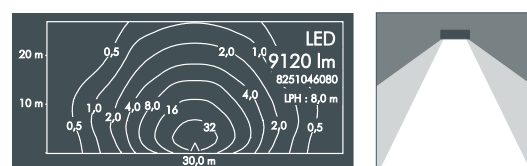
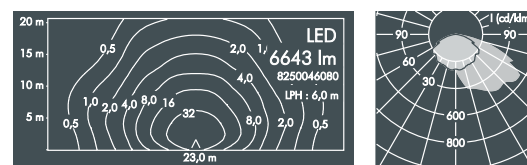
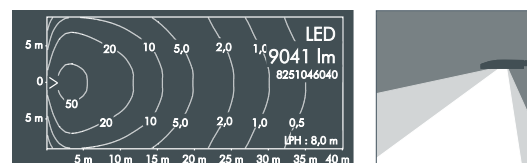
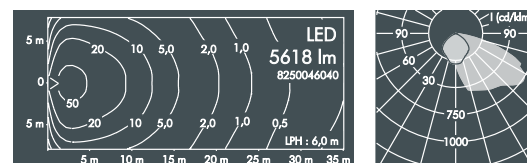
### Monospace, lateral wide beam, High Output

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 251 046 058</b> | black       | 4.8 kg | 4 x LED module 20 W | 9082 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 251 066 058</b> | white       |        | (80 W)              |               | 33°                 | 148°       |
| <b>8 251 056 058</b> | silver grey |        | warm white (3000 K) |               |                     |            |

### Monospace, Comfort Optic

| Part number*         | Colour      | Weight | Light source              | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------|---------------|---------------------|------------|
| <b>8 250 046 008</b> | black       | 4.6 kg | 1 x LED Prism module 55 W | 3971 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 250 066 008</b> | white       |        | warm white (3000 K)       |               | 71°                 | 139°       |
| <b>8 250 056 008</b> | silver grey |        |                           |               |                     |            |

| Part number      | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                                |



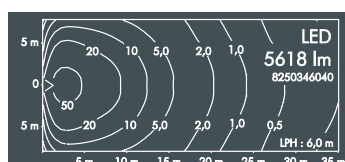
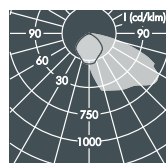
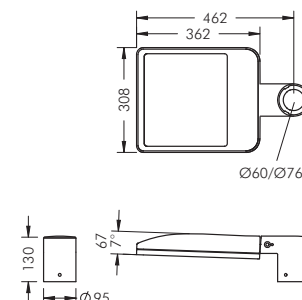
**LED** (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



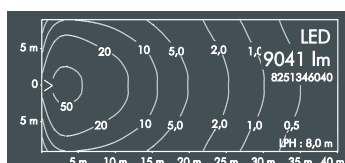
## Monospace pole-top luminaire, single configuration

With highly efficient LED modules,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.038 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient metallized PC reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
4 stainless steel screws,  
front frame with anti-drop device,  
with pole top fitter for 1 luminaire for  
poles Ø 60/76 mm, 3 M8 grub screws,  
tilt range 7°, M20 cable gland,  
with 8 m cable H05RN-F3G1,  
integral driver



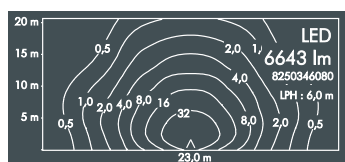
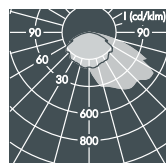
### Monospace pole-top luminaire, single configuration, asymmetrical beam

| Part number*         | Colour      | Weight | Light source          | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------|---------------|-------------------|
| <b>8 250 346 048</b> | black       | 5.1 kg | 4 x LED module 11.5 W | 5618 lm       | 58°               |
| <b>8 250 366 048</b> | white       |        | (46 W)                |               |                   |
| <b>8 250 356 048</b> | silver grey |        | warm white (3000 K)   |               |                   |



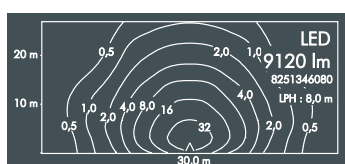
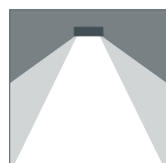
### Monospace pole-top luminaire, single configuration, asymmetrical beam, High Output

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|---------------------|---------------|-------------------|
| <b>8 251 346 048</b> | black       | 5.4 kg | 4 x LED module 20 W | 9041 lm       | 58°               |
| <b>8 251 366 048</b> | white       |        | (80 W)              |               |                   |
| <b>8 251 356 048</b> | silver grey |        | warm white (3000 K) |               |                   |



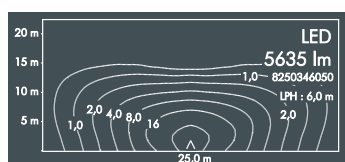
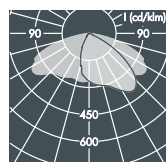
### Monospace pole-top luminaire, single configuration, asymmetrical wide beam

| Part number*         | Colour      | Weight | Light source          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------|---------------|---------------------|
| <b>8 250 346 088</b> | black       | 5.1 kg | 5 x LED module 10.8 W | 6643 lm       | C 0 – 180           |
| <b>8 250 366 088</b> | white       |        | (54 W)                |               | 60°                 |
| <b>8 250 356 088</b> | silver grey |        | warm white (3000 K)   |               | 138°                |



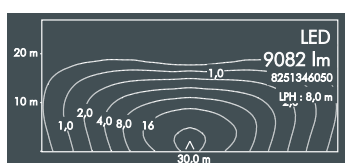
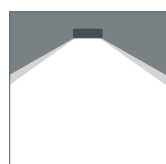
### Monospace pole-top luminaire, single configuration, asymmetrical wide beam, High Output

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 251 346 088</b> | black       | 5.4 kg | 5 x LED module 16 W | 9120 lm       | C 0 – 180           |
| <b>8 251 366 088</b> | white       |        | (80 W)              |               | 60°                 |
| <b>8 251 356 088</b> | silver grey |        | warm white (3000 K) |               | 138°                |



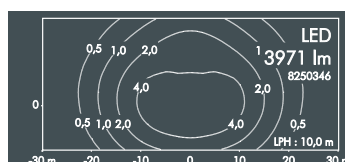
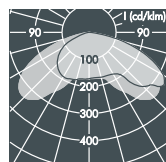
### Monospace pole-top luminaire, single configuration, lateral wide beam

| Part number*         | Colour      | Weight | Light source          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------|---------------|---------------------|
| <b>8 250 346 058</b> | black       | 5.1 kg | 4 x LED module 11.5 W | 5635 lm       | C 0 – 180           |
| <b>8 250 366 058</b> | white       |        | (46 W)                |               | 33°                 |
| <b>8 250 356 058</b> | silver grey |        | warm white (3000 K)   |               | 148°                |



### Monospace pole-top luminaire, single configuration, lateral wide beam, High Output

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 251 346 058</b> | black       | 5.4 kg | 4 x LED module 20 W | 9082 lm       | C 0 – 180           |
| <b>8 251 366 058</b> | white       |        | (80 W)              |               | 33°                 |
| <b>8 251 356 058</b> | silver grey |        | warm white (3000 K) |               | 148°                |



### Monospace pole-top luminaire, single configuration, Comfort Optic

| Part number*         | Colour      | Weight | Light source          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------|---------------|---------------------|
| <b>8 250 346 008</b> | black       | 5.2 kg | 1 x Prism module 55 W | 3971 lm       | C 0 – 180           |
| <b>8 250 366 008</b> | white       |        | warm white (3000 K)   |               | 71°                 |
| <b>8 250 356 008</b> | silver grey |        |                       |               | 139°                |

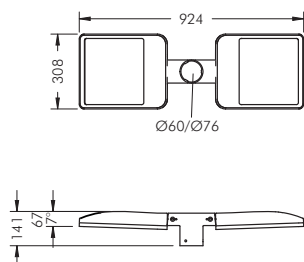
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



| Part number | Description                                              |
|-------------|----------------------------------------------------------|
| ... 5 ...   | Luminaire with neutral white colour temperature (4000 K) |
| ... 1 ...   | Dimmable luminaire (DAU)                                 |

\* Additional dimming options and Zhaga 1.8-interface are available upon request.

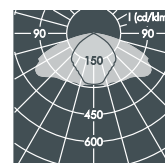
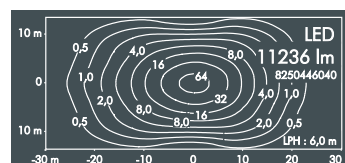


## Monospace pole-top luminaire, double configuration

With highly efficient LED modules, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.063 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,  
highly efficient metallized PC reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
4 stainless steel screws,  
front frame with anti-drop device,  
with pole top fitter for 2 luminaires for poles Ø 60/76 mm, 3 M8 grub screws,  
tilt range 7°, M20 cable gland,  
with 2 x 8 m cable H05RN-F3G1,  
integral driver

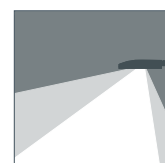
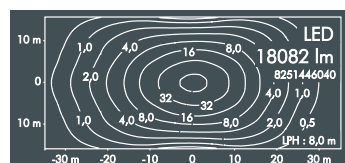
### Monospace pole-top luminaire, double configuration, asymmetrical beam

| Part number*         | Colour      | Weight | Light source          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------|---------------|---------------------|
| <b>8 250 446 048</b> | black       | 9.7 kg | 8 x LED module 11.5 W | 11236 lm      | 58°                 |
| <b>8 250 466 048</b> | white       |        | (92 W)                |               |                     |
| <b>8 250 456 048</b> | silver grey |        | warm white (3000 K)   |               |                     |



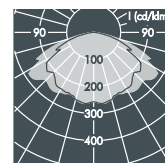
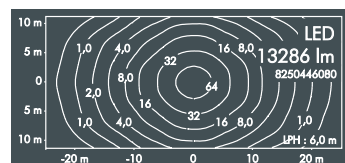
### Monospace pole-top luminaire, double configuration, asymmetrical beam, High Output

| Part number*         | Colour      | Weight  | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------|---------------------|---------------|---------------------|
| <b>8 251 446 048</b> | black       | 10.3 kg | 8 x LED module 20 W | 18082 lm      | 58°                 |
| <b>8 251 466 048</b> | white       |         | (160 W)             |               |                     |
| <b>8 251 456 048</b> | silver grey |         | warm white (3000 K) |               |                     |



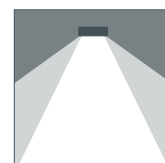
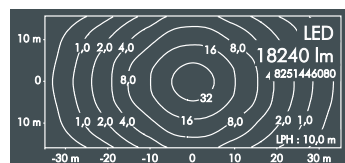
### Monospace pole-top luminaire, double configuration, asymmetrical wide beam

| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 250 446 088</b> | black       | 9.7 kg | 10 x LED module 10.8 W | 13286 lm      | C 0 – 180           |
| <b>8 250 466 088</b> | white       |        | (108 W)                |               | 60°                 |
| <b>8 250 456 088</b> | silver grey |        | warm white (3000 K)    |               | 138°                |



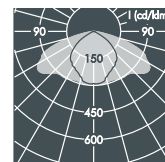
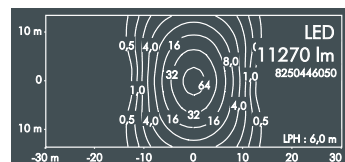
### Monospace pole-top luminaire, double configuration, asymmetrical wide beam, High Output

| Part number*         | Colour      | Weight  | Light source         | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------|----------------------|---------------|---------------------|
| <b>8 251 446 088</b> | black       | 10.3 kg | 10 x LED module 16 W | 18240 lm      | C 0 – 180           |
| <b>8 251 466 088</b> | white       |         | (160 W)              |               | 60°                 |
| <b>8 251 456 088</b> | silver grey |         | warm white (3000 K)  |               | 138°                |



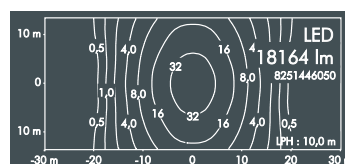
### Monospace pole-top luminaire, double configuration, lateral wide beam

| Part number*         | Colour      | Weight | Light source          | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-----------------------|---------------|---------------------|
| <b>8 250 446 058</b> | black       | 9.7 kg | 8 x LED module 11.5 W | 11270 lm      | C 0 – 180           |
| <b>8 250 466 058</b> | white       |        | (92 W)                |               | 33°                 |
| <b>8 250 456 058</b> | silver grey |        | warm white (3000 K)   |               | 148°                |



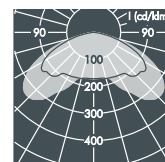
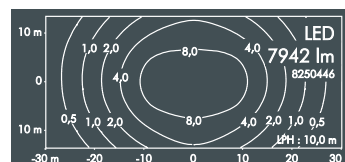
### Monospace pole-top luminaire, double configuration, lateral wide beam, High Output

| Part number*         | Colour      | Weight  | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------|---------------------|---------------|---------------------|
| <b>8 251 446 058</b> | black       | 10.3 kg | 8 x LED module 20 W | 18164 lm      | C 0 – 180           |
| <b>8 251 466 058</b> | white       |         | (160 W)             |               | 33°                 |
| <b>8 251 456 058</b> | silver grey |         | warm white (3000 K) |               | 148°                |



### Monospace pole-top luminaire, double configuration, Comfort Optic

| Part number*         | Colour      | Weight | Light source              | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------------|---------------|---------------------|
| <b>8 250 446 008</b> | black       | 9.8 kg | 2 x LED Prism module 55 W | 7942 lm       | C 0 – 180           |
| <b>8 250 466 008</b> | white       |        | (110 W)                   |               | 71°                 |
| <b>8 250 456 008</b> | silver grey |        | warm white (3000 K)       |               | 139°                |



| Part number | Description                                              |
|-------------|----------------------------------------------------------|
| ... 5 ...   | Luminaire with neutral white colour temperature (4000 K) |
| ... 1 ..    | Dimmable luminaire (DALI)                                |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



## Configurations pole-top luminaire



In addition to pole-top luminaires with single or double configurations custom-made versions with three or four luminaires are available upon request.

## Illumination examples for Monospace pole-top luminaires with different light distributions



The asymmetrical beam optic with forward throw light distribution achieves high lux levels over a long distance in front of the luminaire.



With the asymmetrical wide beam optic uniform illumination on an area in front of and to both sides of the luminaire can be achieved.



The lateral wide beam optic directs light onto paths, streets and driveways and makes large luminaire spacings possible.



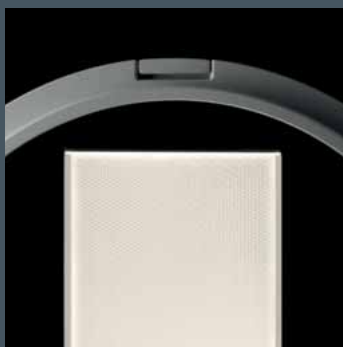
The Comfort Optic creates an even light distribution in front of and on both sides of the luminaire with optimal glare control.



Ecoscape is a range of exterior LED luminaires for the illumination of open spaces, streets and paths. They are available in two sizes and wattages. The luminous output can be regulated either by external control systems or by programmable components which are integrated into the luminaires.

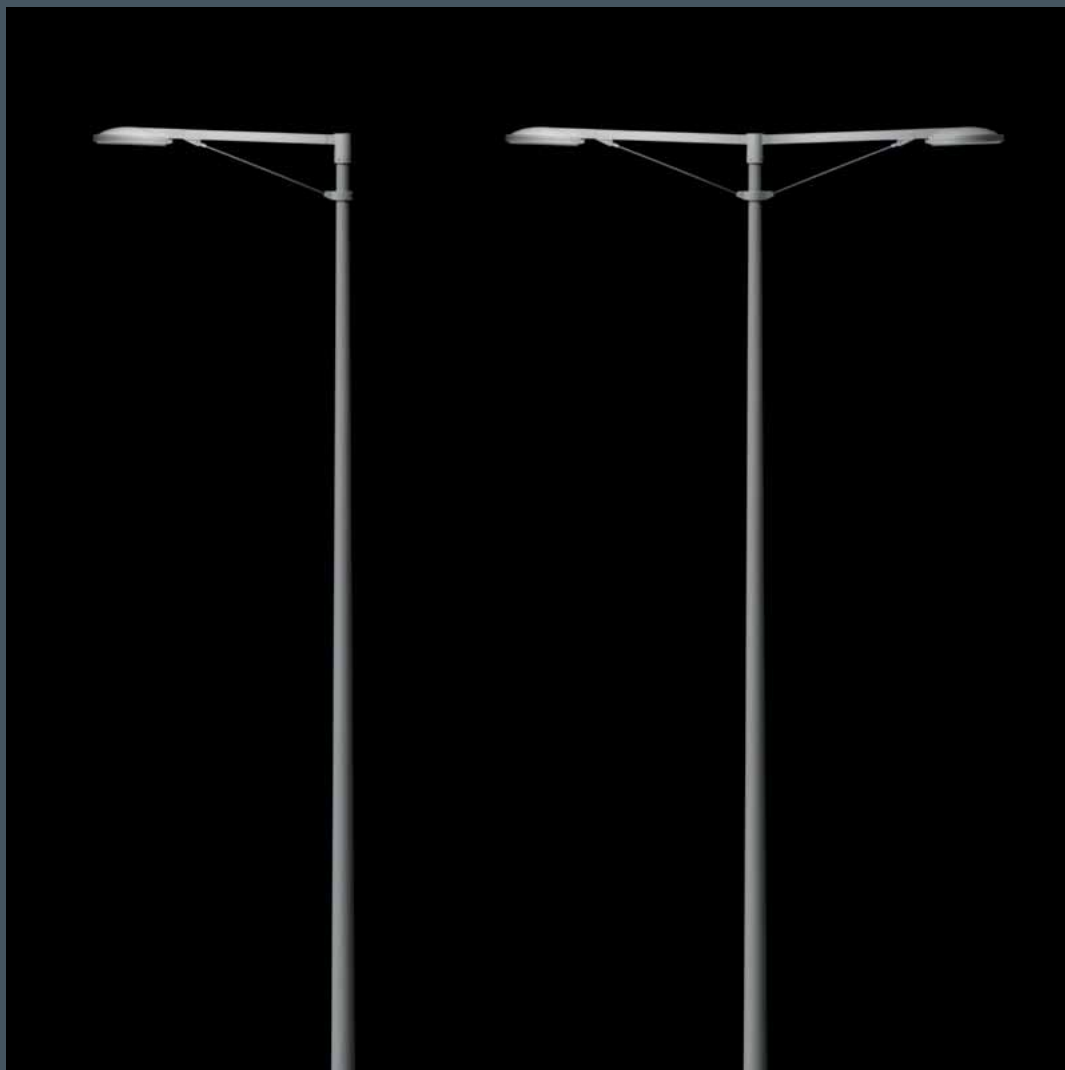
The modern design is timeless and maintenance free. There is no exterior detailing on the housing, such as cooling fins, which can trap dust and dirt. There is an exemplary range of pole or wall mounting accessories available for the Ecoscape series.

Design: Roy Fleetwood



The Comfort Optic uses micro prisms to direct light in defined directions. Light diffraction and shielded LEDs make perfect glare control possible.

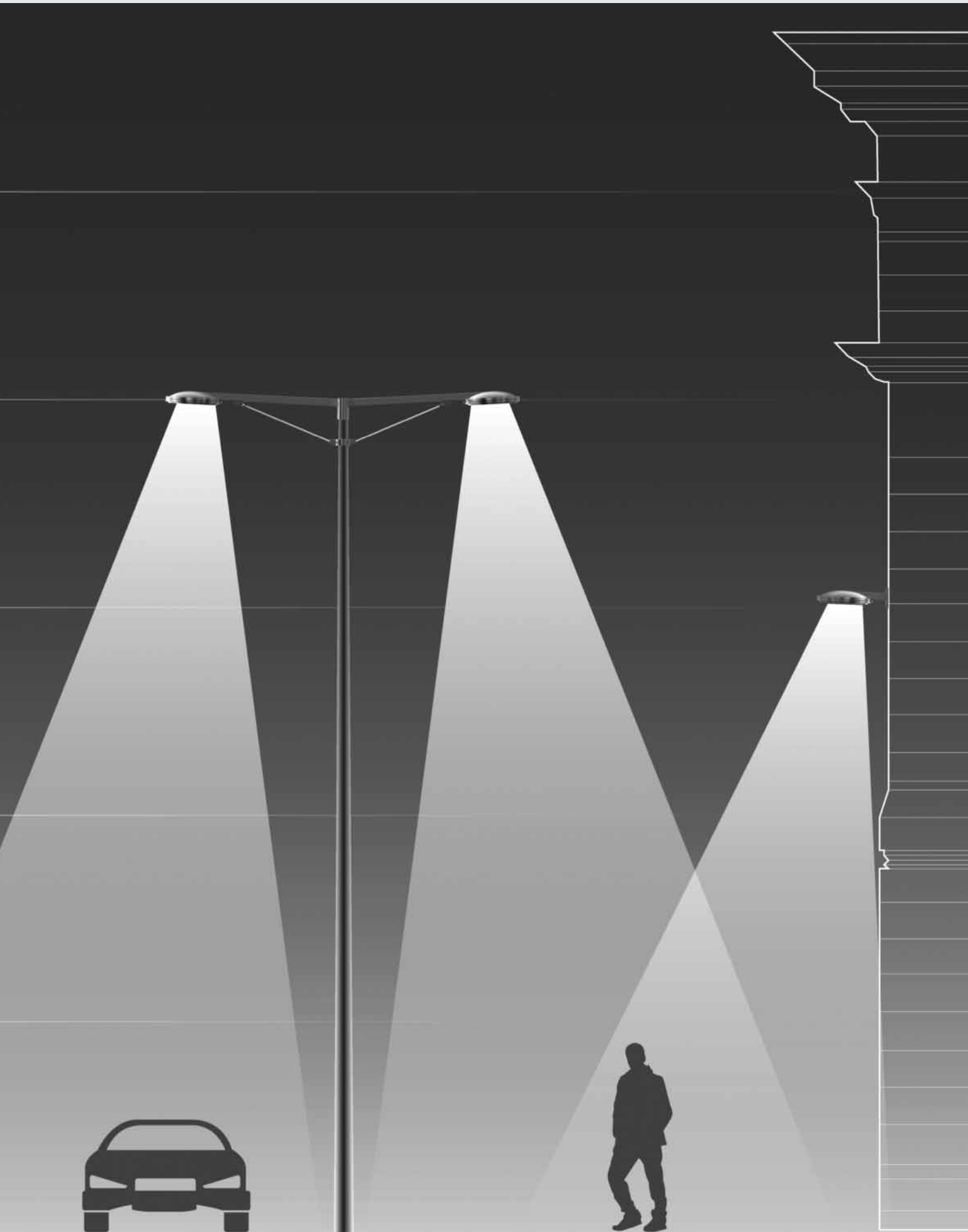
The range of accessories allows for different mounting possibilities and luminaire configurations.

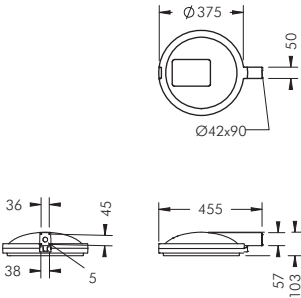


Lilleeng Helsepark, Norway  
Lighting design: Frizen Belysning





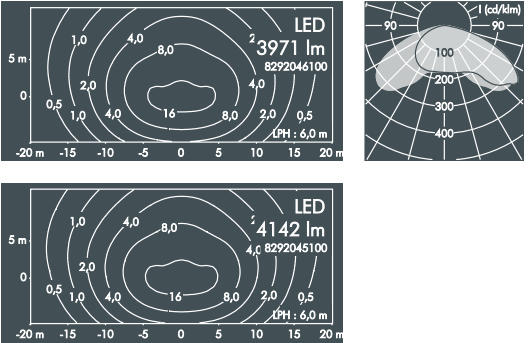




**Ecoscape 1**  
With LED Prism module,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L80/B10 > 50 000 h  
protection class I or II, IP67 , IK09  
windage area AV 0.11 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered, high transmission safety glass,  
silicon gasket, hinged frame,  
installation of luminaire using fixing accessories,  
cable entry: M20, with 8 m cable H07RN-F5G1,  
fixing via a 42 mm diameter borehole,  
integral programmable and  
DALI dimmable driver (AC/DC)

| Eoscape 1, Comfort Optic |             |        |                      |               |                            |            |
|--------------------------|-------------|--------|----------------------|---------------|----------------------------|------------|
| Part number              | Colour      | Weight | Light source         | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
| <b>8 292 046 108</b>     | black       | 6.5 kg | 1 x LED Prism module | 3971 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 292 066 108</b>     | white       |        | 55 W                 |               |                            |            |
| <b>8 292 056 108</b>     | silver grey |        | warm white (3000 K)  |               |                            |            |

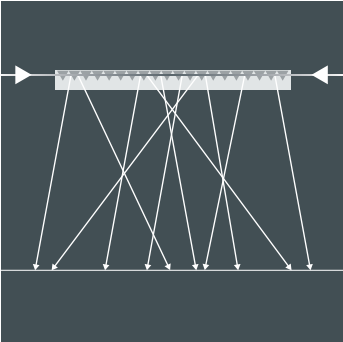
| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|----------------------------|------------|
| <b>8 292 045 108</b> | black       | 6.5 kg | 1 x LED Prism module   | 4142 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 292 065 108</b> | white       |        | 55 W                   |               |                            |            |
| <b>8 292 055 108</b> | silver grey |        | neutral white (4000 K) |               |                            |            |



| Part number         | Description      |
|---------------------|------------------|
| <b>. . . . . 1.</b> | <b>Luminaire</b> |
|                     | safety class II  |

Accessories required for installation of luminaires – see pages 180-183.

The light emitted by linear LED modules is directed into a PMMA lens uncoupled by micro prisms in exactly defined directions. From the outside the LEDs are not visible. The Comfort Optic offers both high energy efficiency and optimal glare limitation by diffraction of the point of light.

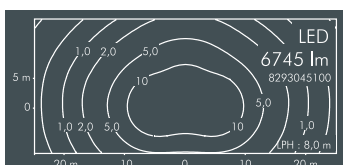
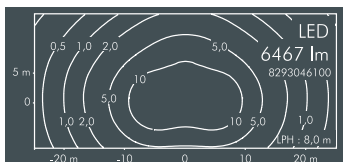
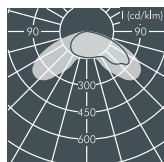
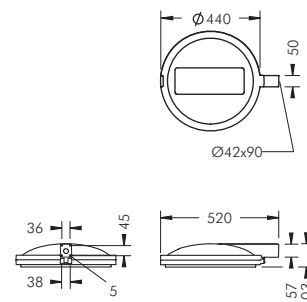


**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request



## Ecoscape 2

With LED Prism module,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L80/B10 > 50 000 h  
protection class I or II, IP67 , IK09  
windage area AW 0.15 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered, high transmission safety glass,  
silicon gasket, hinged frame,  
installation of luminaire using fixing accessories,  
cable entry: M20, with 8 m cable H07RN-F5G1,  
fixing via a 42 mm diameter borehole,  
integral programmable and  
DALI dimmable driver (AC/DC)



### Ecoscape 2, Comfort Optic

| Part number          | Colour      | Weight | Light source                                        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|-----------------------------------------------------|---------------|---------------------|------------|
| <b>8 293 046 108</b> | black       | 8.5 kg | 1 x LED Prism module<br>90 W<br>warm white (3000 K) | 6467 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 293 066 108</b> | white       |        |                                                     |               | 71°                 | 139°       |
| <b>8 293 056 108</b> | silver grey |        |                                                     |               |                     |            |

| Part number          | Colour      | Weight | Light source                                           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------------------|---------------|---------------------|------------|
| <b>8 293 045 108</b> | black       | 8.5 kg | 1 x LED Prism module<br>90 W<br>neutral white (4000 K) | 6745 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 293 065 108</b> | white       |        |                                                        |               | 71°                 | 139°       |
| <b>8 293 055 108</b> | silver grey |        |                                                        |               |                     |            |

| Part number     | Description      |
|-----------------|------------------|
| <b>... . 1.</b> | <b>Luminaire</b> |
|                 | safety class II  |

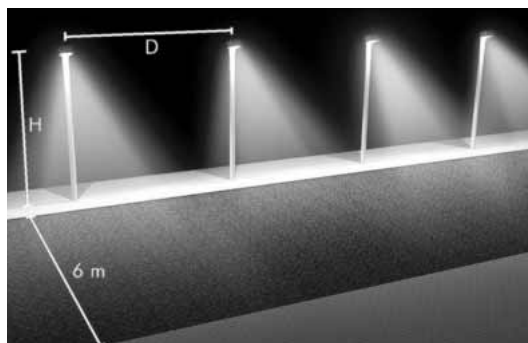
### Accessories required for installation of luminaires – see pages 180-183.

#### Illumination examples (P3 according to DIN EN 13201-2)

|                | Ecoscape 1    | Ecoscape 2    |
|----------------|---------------|---------------|
|                | Comfort Optic | Comfort Optic |
| <b>H</b>       | 6 m           | 8 m           |
| <b>D</b>       | 25 m          | 34 m          |
| <b>D/H</b>     | 4.2           | 4.25          |
| <b>Em</b>      | 7.6 lx        | 7.7 lx        |
| <b>Emin/Em</b> | 0.34          | 0.37          |
| <b>TI*</b>     | 7%            | 7%            |

\* TI: Threshold Increment (unit for measuring glare).

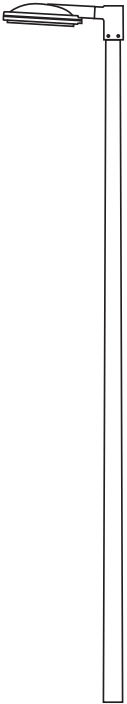
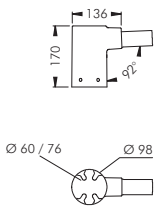
A low TI value indicates a low glare factor.



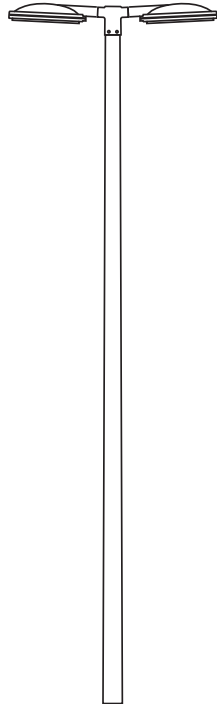
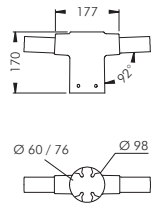
**LED** (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

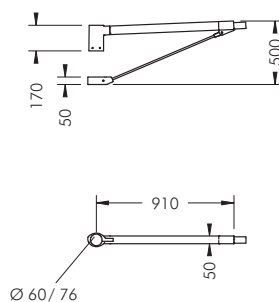
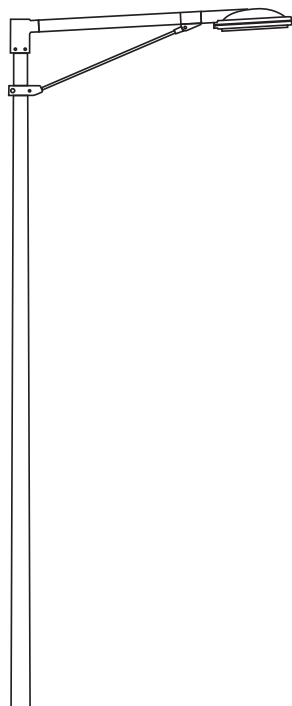




| Pole top fitter for one luminaire |             |                                                                                    |
|-----------------------------------|-------------|------------------------------------------------------------------------------------|
| Part number                       | Colour      | Description                                                                        |
| 122 0 281 940                     | black       | <b>Pole top fitter</b> , aluminium, polyester powder coated, for pole Ø 60 - 76 mm |
| 122 0 281 960                     | white       |                                                                                    |
| 122 0 281 950                     | silver grey |                                                                                    |

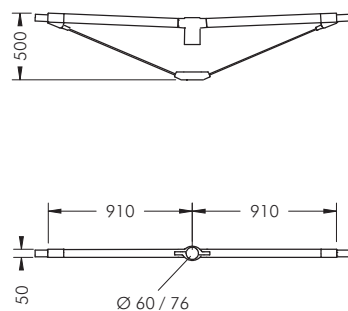
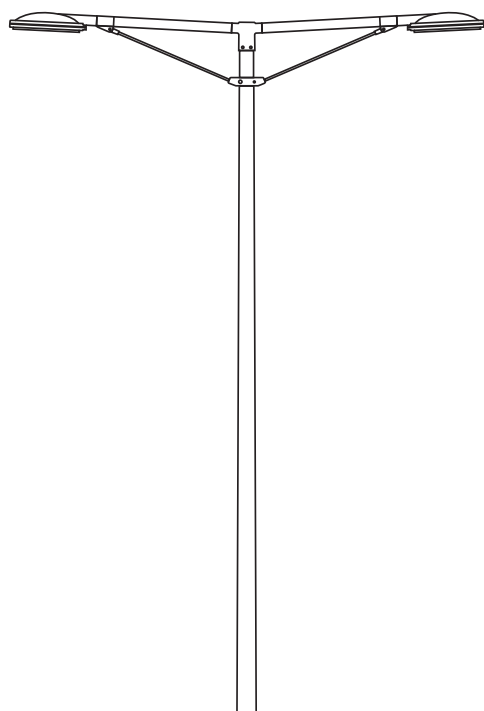


| Pole top fitter for two luminaires |             |                                                                                    |
|------------------------------------|-------------|------------------------------------------------------------------------------------|
| Part number                        | Colour      | Description                                                                        |
| 122 0 282 940                      | black       | <b>Pole top fitter</b> , aluminium, polyester powder coated, for pole Ø 60 - 76 mm |
| 122 0 282 960                      | white       |                                                                                    |
| 122 0 282 950                      | silver grey |                                                                                    |



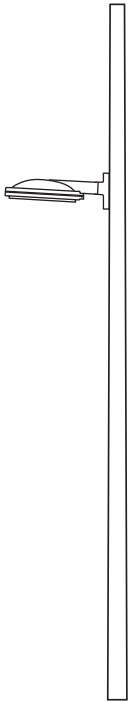
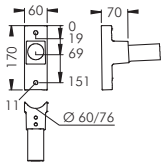
#### Pole outrigger for one luminaire

| Part number          | Colour      | Description                                                                         |
|----------------------|-------------|-------------------------------------------------------------------------------------|
| <b>122 0 291 940</b> | black       | <b>Pole outrigger, 910 mm, aluminium, polyester powder coated, for pole Ø 60 mm</b> |
| <b>122 0 291 960</b> | white       |                                                                                     |
| <b>122 0 291 950</b> | silver grey |                                                                                     |
| <b>122 0 293 940</b> | black       | <b>Pole outrigger, 910 mm, aluminium, polyester powder coated, for pole Ø 76 mm</b> |
| <b>122 0 293 960</b> | white       |                                                                                     |
| <b>122 0 293 950</b> | silver grey |                                                                                     |

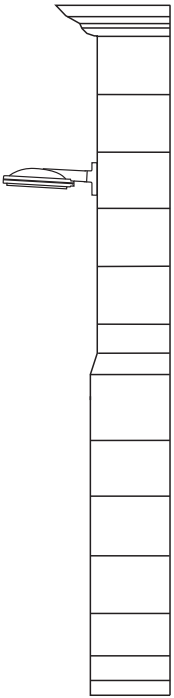
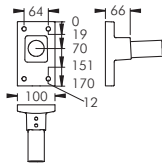


#### Pole outrigger for two luminaires

| Part number          | Colour      | Description                                                                             |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| <b>122 0 292 940</b> | black       | <b>Pole outrigger, 2 x 910 mm, aluminium, polyester powder coated, for pole Ø 60 mm</b> |
| <b>122 0 292 960</b> | white       |                                                                                         |
| <b>122 0 292 950</b> | silver grey |                                                                                         |
| <b>122 0 294 940</b> | black       | <b>Pole outrigger, 2 x 910 mm, aluminium, polyester powder coated, for pole Ø 76 mm</b> |
| <b>122 0 294 960</b> | white       |                                                                                         |
| <b>122 0 294 950</b> | silver grey |                                                                                         |

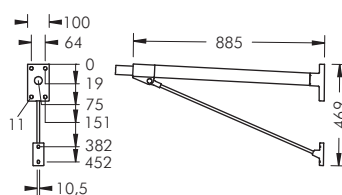
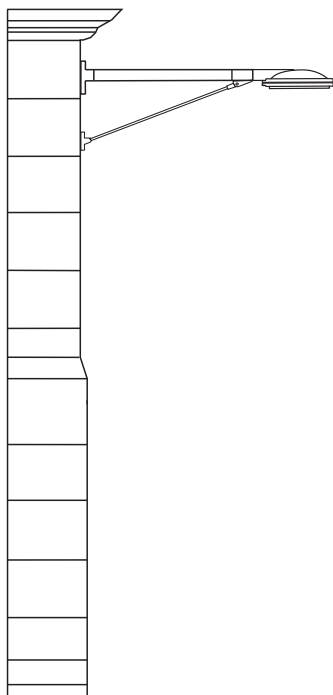


| Pole adapter  |             |                                                                                  |
|---------------|-------------|----------------------------------------------------------------------------------|
| Part number   | Colour      | Description                                                                      |
| 122 0 283 940 | black       | <b>Pole adapter</b> , aluminium, polyester powder coated, for poles Ø 60 - 76 mm |
| 122 0 283 960 | white       |                                                                                  |
| 122 0 283 950 | silver grey |                                                                                  |



| Wall adapter  |             |                                                          |
|---------------|-------------|----------------------------------------------------------|
| Part number   | Colour      | Description                                              |
| 122 0 284 940 | black       | <b>Wall adapter</b> , aluminium, polyester powder coated |
| 122 0 284 960 | white       |                                                          |
| 122 0 284 950 | silver grey |                                                          |





#### Wall outrigger

| Part number          | Colour      | Description                                                        |
|----------------------|-------------|--------------------------------------------------------------------|
| <b>122 0 285 940</b> | black       | <b>Wall outrigger</b> , 885 mm, aluminium, polyester powder coated |
| <b>122 0 285 960</b> | white       |                                                                    |
| <b>122 0 285 950</b> | silver grey |                                                                    |

#### Light control options

##### DALI

Two dimming profiles can be preset. The DALI protocol enables a bidirectional flow of information so that individual luminaires can be monitored and controlled. In a DALI dimming system light sensors and motion sensors can be integrated.

##### StepDIM

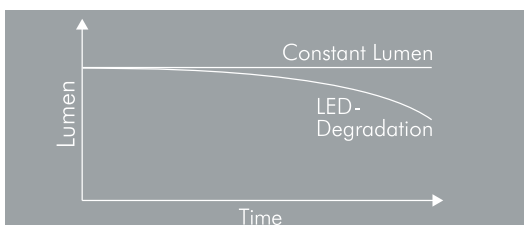
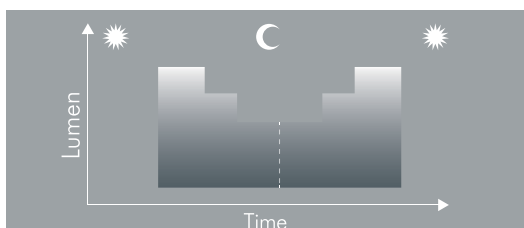
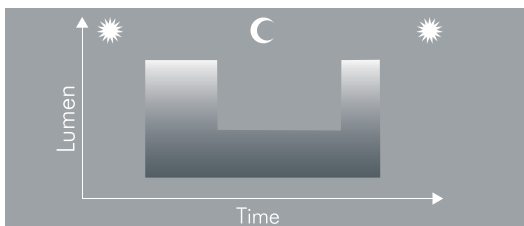
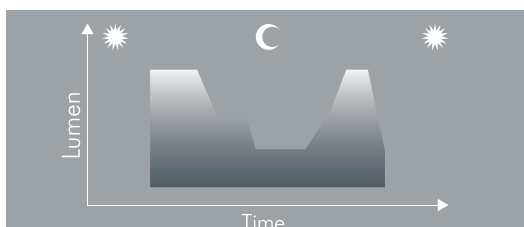
Similar to a half-night switch the luminous flux is reduced to a defined level by an additional control wire (switched phase). The dimming parameters can be individually defined by the use of a software with interface.

##### AstroDIM

The dimming profile can be activated without using a control wire. Significant energy savings can be achieved without any cost for additional wiring. In the course of a year the dimming intervals are adjusted to changing daylight hours. Two dimming levels can be preset, the dimming periods are determined by the overall turn-on time.

##### Constant Lumen Function

The luminous flux remains constant over a defined operating time. The light output decreases during the useful life through degradation of the LED. This effect is offset by the constant lumen function which increases the forward current with progressing operating time.





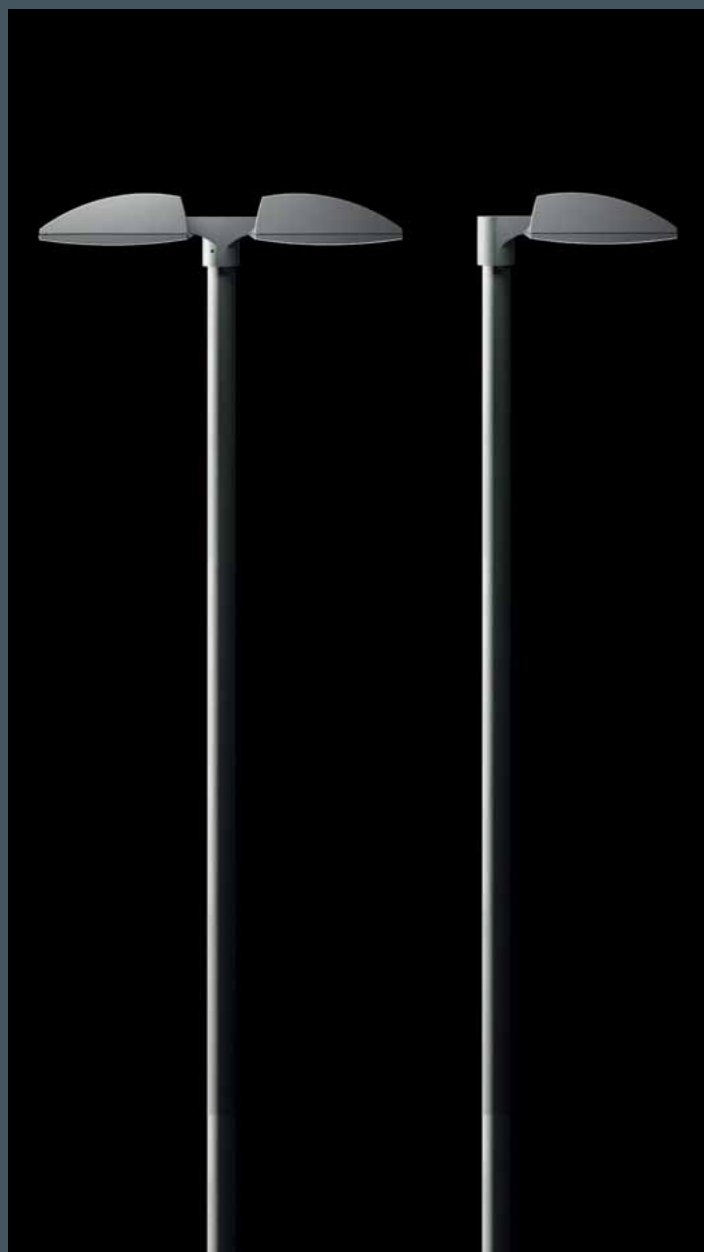
Fluxa area floodlights create uniform illumination for the urban environment, on public squares, pathways and streets. Depending on the type of application there are suitable luminaires available with asymmetrical or wide beam light distributions.

This luminaire series has been developed further for the demands of modern LED technology. The luminous flux of highly efficient LED modules is distributed across the area by precise reflector optics. The resulting lux levels are achieved with much lower energy consumption and exceed those of respective luminaires for discharge lamps.

The luminaires are available in 3 sizes with varying wattages for different mounting heights.



Pole-top luminaires are available complete with one or two floodlights. These units are pre-assembled for easy installation.

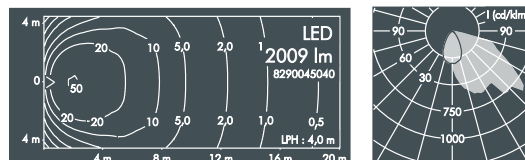


Fire station, Eisingen/Germany  
Lighting design: IB Wörtz, Pforzheim

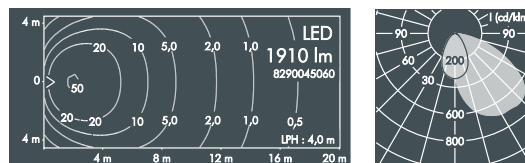


With high performance LED modules  
integral temperature monitoring device,  
CRI: > 70, Colour tolerance: max. 3 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65   , IK08  
windage area AW 0.047 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure by 2 stainless steel screws,  
hinged front frame, powder coated aluminium  
mounting bracket with tilt scale,  
4 drilled holes Ø 8.5 mm, spacing 70 mm (120 mm),  
1 centre hole Ø 17 mm, tilt range 210°,  
M16 cable gland, integral driver (AC/DC)

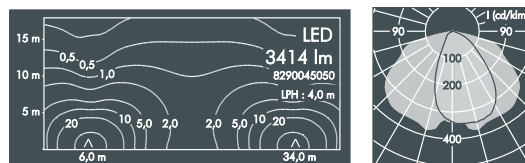
| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle $\gamma$ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|--------------------------|
| <b>8 290 045 048</b> | black       | 2.6 kg | 1 x LED module 26 W<br>neutral white (4000 K) | 2009 lm       | 50°                      |
| <b>8 290 065 048</b> | white       |        |                                               |               |                          |
| <b>8 290 055 048</b> | silver grey |        |                                               |               |                          |



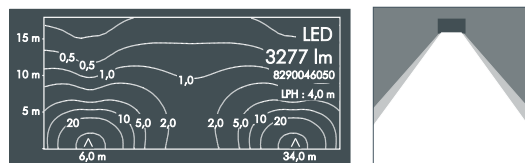
| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle $\gamma$ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|--------------------------|
| <b>8 290 045 068</b> | black       | 2.6 kg | 1 x LED module 26 W<br>neutral white (4000 K) | 1910 lm       | 43°                      |
| <b>8 290 065 068</b> | white       |        |                                               |               |                          |
| <b>8 290 055 068</b> | silver grey |        |                                               |               |                          |



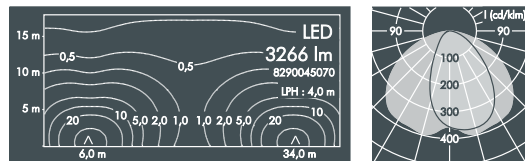
| Part number          | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| <b>8 290 045 058</b> | black       | 2.4 kg | 2 x LED module 18 W<br>(36 W)<br>neutral white (4000 K) | 3414 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 290 065 058</b> | white       |        |                                                         |               | 61°                 | 145°       |
| <b>8 290 055 058</b> | silver grey |        |                                                         |               |                     |            |



| Part number          | Colour      | Weight | light source                                         | luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------------|---------------|----------------------------|------------|
| <b>8 290 046 058</b> | black       | 2.4 kg | 2 x LED module 18 W<br>(36 W)<br>warm white (3000 K) | 3277 lm       | C 0 – 180                  | C 90 – 270 |
| <b>8 290 066 058</b> | white       |        |                                                      |               | 61°                        | 145°       |
| <b>8 290 056 058</b> | silver grey |        |                                                      |               |                            |            |



| Part number          | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| <b>8 290 045 078</b> | black       | 2.4 kg | 2 x LED module 18 W<br>(36 W)<br>neutral white (4000 K) | 3266 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 290 065 078</b> | white       |        |                                                         |               | 62°                 | 124°       |
| <b>8 290 055 078</b> | silver grey |        |                                                         |               |                     |            |



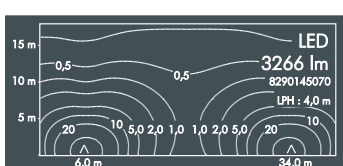
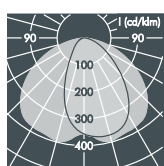
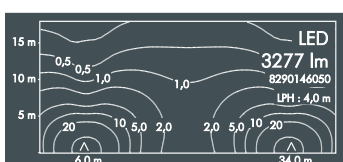
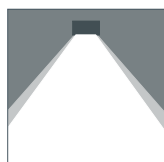
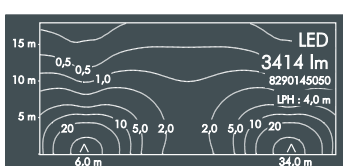
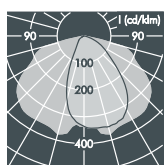
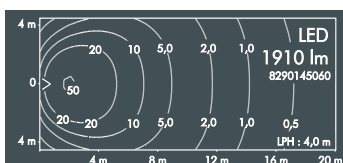
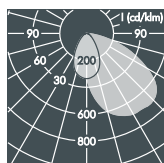
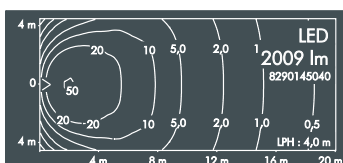
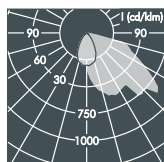
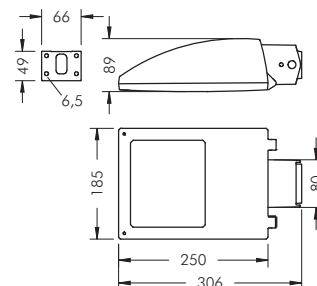
| Part number         | Description                                          |
|---------------------|------------------------------------------------------|
| ... .. <b>6</b> ... | <b>Luminaire with warm white LED module (3000 K)</b> |
| ... .. <b>1</b> ..  | <b>Dimmable version (DALI)</b>                       |
| ... .. <b>2</b> ..  | <b>Dimmable version (1-10 V)</b>                     |

Luminaires available in 2700 K and other colour temperatures upon request



## Fluxa Mini G

With high performance LED modules  
integral temperature monitoring device,  
CRI: > 70, Colour tolerance: max. 3 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.047 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure by 2 stainless steel screws,  
hinged front frame, adjustable bracket assembly,  
4 drilled holes Ø 6.5 mm,  
spacing 50 x 30 mm, tilt range +/- 15°,  
M16 cable gland, integral driver (AC/DC)



### Fluxa Mini G, asymmetrical beam

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| <b>8 290 145 048</b> | black       | 2.6 kg | 1 x LED module 26 W<br>neutral white (4000 K) | 2009 lm       | 50°               |
| <b>8 290 165 048</b> | white       |        |                                               |               |                   |
| <b>8 290 155 048</b> | silver grey |        |                                               |               |                   |

### Fluxa Mini G, asymmetrical beam, with prismatic glass, for reduced glare

| Part number          | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| <b>8 290 145 068</b> | black       | 2.6 kg | 1 x LED module 26 W<br>neutral white (4000 K) | 1910 lm       | 43°               |
| <b>8 290 165 068</b> | white       |        |                                               |               |                   |
| <b>8 290 155 068</b> | silver grey |        |                                               |               |                   |

### Fluxa Mini G, wide beam

| Part number          | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| <b>8 290 145 058</b> | black       | 2.4 kg | 2 x LED module 18 W<br>(36 W)<br>neutral white (4000 K) | 3414 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 290 165 058</b> | white       |        |                                                         |               | 61°                 | 145°       |
| <b>8 290 155 058</b> | silver grey |        |                                                         |               |                     |            |

| Part number          | Colour      | Weight | Light source                                         | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------------|---------------|---------------------|------------|
| <b>8 290 146 058</b> | black       | 2.4 kg | 2 x LED module 18 W<br>(36 W)<br>warm white (3000 K) | 3277 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 290 166 058</b> | white       |        |                                                      |               | 61°                 | 145°       |
| <b>8 290 156 058</b> | silver grey |        |                                                      |               |                     |            |

### Fluxa Mini G, wide beam, with prismatic glass, for reduced glare

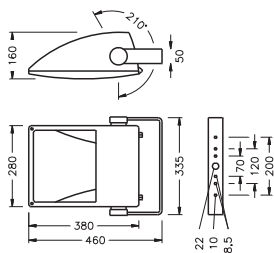
| Part number          | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| <b>8 290 145 078</b> | black       | 2.4 kg | 2 x LED module 18 W<br>(36 W)<br>neutral white (4000 K) | 3266 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 290 165 078</b> | white       |        |                                                         |               | 62°                 | 124°       |
| <b>8 290 155 078</b> | silver grey |        |                                                         |               |                     |            |

| Part number        | Description                                          |
|--------------------|------------------------------------------------------|
| <b>..... 6 ...</b> | <b>Luminaire with warm white LED module (3000 K)</b> |
| <b>..... 1 ..</b>  | <b>Dimmable version (DALI)</b>                       |
| <b>..... 2 ..</b>  | <b>Dimmable version (1-10 V)</b>                     |

LED (see page 247)

luminaires available in 2700 K and other colour temperatures upon request

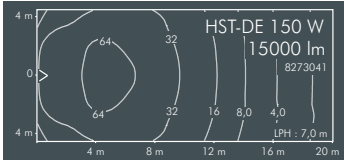
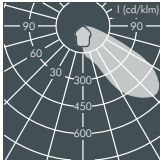
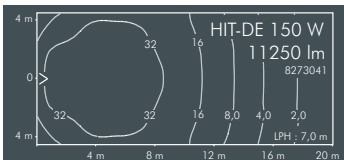
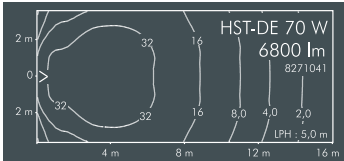
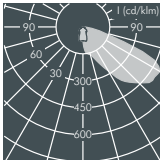
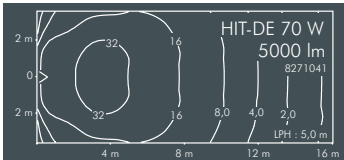




**Fluxa A**  
For metal halide lamps (HIT-DE/HIT),  
ceramic metal halide lamps (HIT-DE-CE/HIT-CE),  
high pressure sodium lamps (HST-DE)  
protection class I, IP65   , IK08  
windage area AW 0.11 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
high gloss aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
hinged front frame, powder coated aluminium  
mounting bracket with tilt scale:  
4 holes Ø 8.5 mm, spacing 70 mm (120 mm),  
2 drilled holes Ø 10 mm, spacing 200 mm,  
1 centre hole Ø 22 mm, tilt range 210°,  
M20 cable gland, integral LPF ballast and ignitor,  
HPF available on request (see page 246),  
supplied without lamp

**Fluxa A 70 W, asymmetrical beam**

| Part number          | Colour      | Lamp           | Lampholder | Weight | Main beam angle $\gamma$ |
|----------------------|-------------|----------------|------------|--------|--------------------------|
| <b>8 271 041 008</b> | black       | HIT-DE 70 W    | Rx7s       | 8.5 kg | 60°                      |
| <b>8 271 061 008</b> | white       | HIT-DE-CE 70 W |            |        |                          |
| <b>8 271 051 008</b> | silver grey | HST-DE 70 W    |            |        |                          |

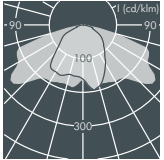
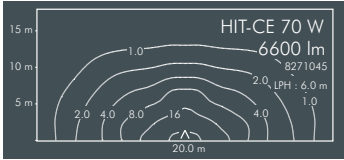


**Fluxa A 150 W, asymmetrical beam**

| Part number          | Colour      | Lamp            | Lampholder | Weight | Main beam angle $\gamma$ |
|----------------------|-------------|-----------------|------------|--------|--------------------------|
| <b>8 273 041 008</b> | black       | HIT-DE 150 W    | Rx7s       | 9.0 kg | 45°                      |
| <b>8 273 061 008</b> | white       | HIT-DE-CE 150 W |            |        |                          |
| <b>8 273 051 008</b> | silver grey | HST-DE 150 W    |            |        |                          |

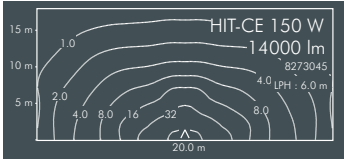
**Fluxa A 70 W, wide beam**

| Part number          | Colour      | Lamp        | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|-------------|------------|--------|----------------------------|
|                      |             |             |            |        | C 0 – 180 C 90 – 270       |
| <b>8 271 045 008</b> | black       | HIT 70 W    | G12        | 8.5 kg | 82° 145°                   |
| <b>8 271 065 008</b> | white       | HIT-CE 70 W |            |        |                            |
| <b>8 271 055 008</b> | silver grey | HIT-CE 70 W |            |        |                            |



**Fluxa A 150 W, wide beam**

| Part number          | Colour      | Lamp         | Lampholder | Weight | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------------|------------|--------|----------------------------|
|                      |             |              |            |        | C 0 – 180 C 90 – 270       |
| <b>8 273 045 008</b> | black       | HIT 150 W    | G12        | 9 kg   | 82° 145°                   |
| <b>8 273 065 008</b> | white       | HIT-CE 150 W |            |        |                            |
| <b>8 273 055 008</b> | silver grey | HIT-CE 150 W |            |        |                            |



**Lamps**

HIT-DE



HIT-DE-CE



HST-DE



HIT



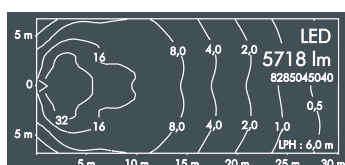
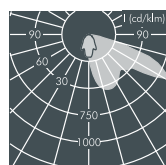
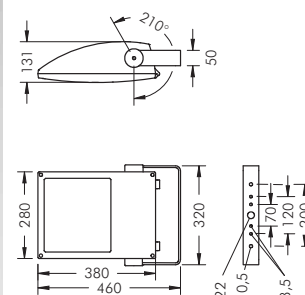
HIT-CE



## Fluxa A

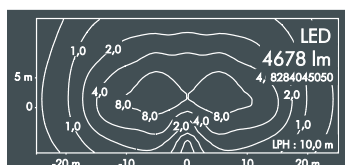
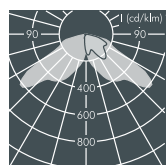
With high performance LED modules (Zhaga),  
integral temperature monitoring device,  
CRI: > 70, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67  , IK08  
windage area AW 0.11 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
4 stainless steel screws, hinged front frame,  
powder coated aluminium mounting bracket with  
tilt scale:

4 holes Ø 8.5 mm, spacing 70 mm (120 mm),  
2 drilled holes Ø 10 mm, spacing 200 mm,  
1 centre hole Ø 22 mm, tilt range 210°,  
M20 cable gland, integral driver (AC/DC)



### Fluxa A, asymmetrical beam

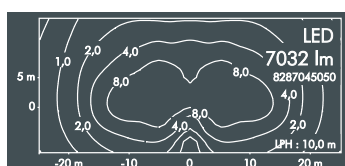
| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 285 045 048</b> | black       | 6.2 kg | 1 x LED module 48 W    | 5718 lm       | 60°               |
| <b>8 285 065 048</b> | white       |        | neutral white (4000 K) |               |                   |
| <b>8 285 055 048</b> | silver grey |        |                        |               |                   |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 286 045 048</b> | black       | 6.2 kg | 1 x LED module 63 W    | 7484 lm       | 60°               |
| <b>8 286 065 048</b> | white       |        | neutral white (4000 K) |               |                   |
| <b>8 286 055 048</b> | silver grey |        |                        |               |                   |

### Fluxa A, wide beam

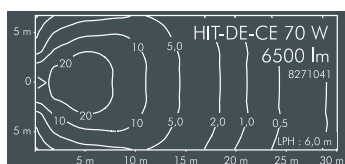
| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 284 045 058</b> | black       | 6.2 kg | 2 x LED module 20 W    | 4678 lm       | C 0 – 180           |
| <b>8 284 065 058</b> | white       |        | (40 W)                 |               | 72°                 |
| <b>8 284 055 058</b> | silver grey |        | neutral white (4000 K) |               | 122°                |



| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 287 045 058</b> | black       | 6.2 kg | 2 x LED module 31 W    | 7032 lm       | C 0 – 180           |
| <b>8 287 065 058</b> | white       |        | (62 W)                 |               | 72°                 |
| <b>8 287 055 058</b> | silver grey |        | neutral white (4000 K) |               | 122°                |

| Part number              | Description                                                                 |
|--------------------------|-----------------------------------------------------------------------------|
| <b>. . . . . 6 . . .</b> | <b>Luminaire with warm white LED module (3000 K)</b>                        |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire* DALI / StepDIM / AstroDIM</b>                        |
| <b>. . . . . .6.</b>     | <b>Luminaire asymmetrical beam, with prismatic glass, for reduced glare</b> |
| <b>. . . . . .7.</b>     | <b>Luminaire wide beam, with prismatic glass, for reduced glare</b>         |

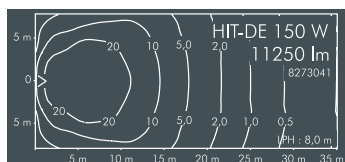
\* Light control options see page 183



### Lux level comparison HIT-DE 70 W / LED 48 W, asymmetrical beam

HIT-DE 70 W: 7 lux average level

LED 48 W: 10 lux average level



### Lux level comparison HIT-DE 150 W / LED 63 W, asymmetrical beam

HIT-DE 150 W: 8 lux average level

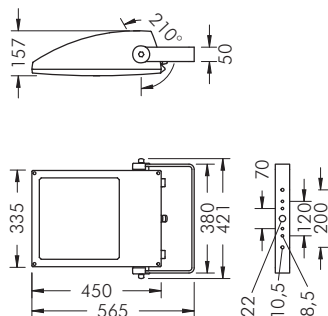
LED 63 W: 7.5 lux average level

LED (see page 247)

luminaires available in 2700 K and other colour temperatures upon request





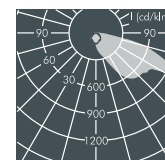
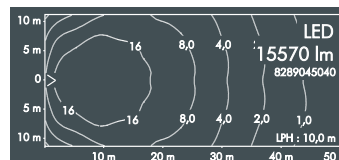


## Fluxa B

With high performance LED modules (Zhaga), integral temperature monitoring device, CRI: > 70, Colour tolerance: max. 2 SDCM  
 Service life: L90/B10 > 50 000 h  
 protection class I, IP65 , IK09  
 windage area AW 0.16 m<sup>2</sup>  
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,  
 highly efficient aluminium reflector,  
 all exterior steel parts are stainless steel,  
 tempered safety glass, silicon gasket,  
 4 stainless steel screws, hinged front frame,  
 powder coated aluminium mounting bracket with tilt scale:  
 4 holes Ø 8.5 mm, spacing 70 mm (120 mm),  
 2 drilled holes Ø 10 mm, spacing 200 mm,  
 1 centre hole Ø 22 mm, tilt range 210°,  
 M20 cable gland, integral driver (AC/DC)

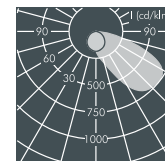
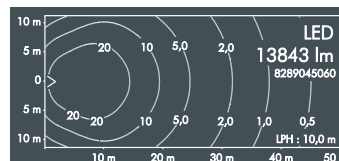
### Fluxa B, asymmetrical beam

| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 289 045 048</b> | black       | 9.7 kg | 2 x LED module 79 W    | 15570 lm      | 65°               |
| <b>8 289 065 048</b> | white       |        | (158 W)                |               |                   |
| <b>8 289 055 048</b> | silver grey |        | neutral white (4000 K) |               |                   |



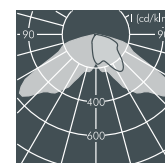
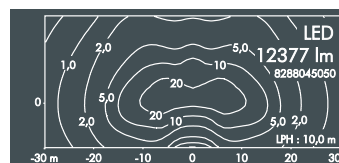
### Fluxa B, asymmetrical beam, with prismatic glass, for reduced glare

| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 289 045 068</b> | black       | 9.7 kg | 2 x LED module 79 W    | 13843 lm      | 53°               |
| <b>8 289 065 068</b> | white       |        | (158 W)                |               |                   |
| <b>8 289 055 068</b> | silver grey |        | neutral white (4000 K) |               |                   |



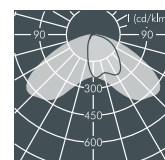
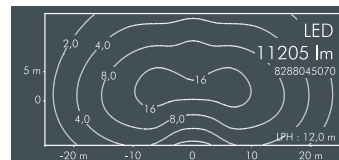
### Fluxa B, wide beam

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 288 045 058</b> | black       | 9.7 kg | 2 x LED module 70 W    | 12377 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 288 065 058</b> | white       |        | (140 W)                |               | 67°                 | 124°       |
| <b>8 288 055 058</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

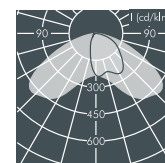
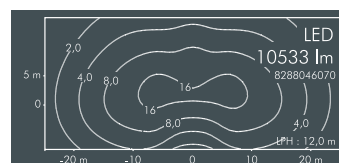


### Fluxa B, wide beam, with prismatic glass, for reduced glare

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 288 045 078</b> | black       | 9.7 kg | 2 x LED module 70 W    | 11205 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 288 065 078</b> | white       |        | (140 W)                |               | 61°                 | 133°       |
| <b>8 288 055 078</b> | silver grey |        | neutral white (4000 K) |               |                     |            |



| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 288 046 078</b> | black       | 9.7 kg | 2 x LED module 70 W | 10533 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 288 066 078</b> | white       |        | (140 W)             |               | 61°                 | 133°       |
| <b>8 288 056 078</b> | silver grey |        | warm white (3000 K) |               |                     |            |

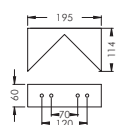


| Part number      | Description                                          |
|------------------|------------------------------------------------------|
| <b>... 6 ...</b> | <b>Luminaire with warm white LED module (3000 K)</b> |
| <b>... 1 ..</b>  | <b>Dimmable luminaire (DALI)</b>                     |

LED (see page 247)

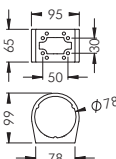
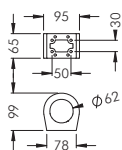
Luminaires available in 2700 K and other colour temperatures upon request





### Accessories Fluxa Mini/Fluxa A

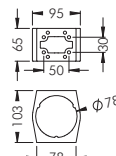
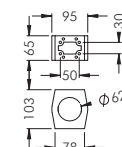
| Part number          | Colour      | Description                                                                                                  |
|----------------------|-------------|--------------------------------------------------------------------------------------------------------------|
| <b>128 0 086 940</b> | black       | <b>Corner fixing bracket B</b> , aluminium, polyester powder coated, for mounting floodlights on 90° corners |
| <b>128 0 086 960</b> | white       |                                                                                                              |
| <b>128 0 086 950</b> | silver grey |                                                                                                              |



### Fluxa Mini G

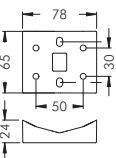
Description **Pole mount fitter** for one luminaire

| Part number          | Colour      | Ø     | Part number          | Colour      | Ø     |
|----------------------|-------------|-------|----------------------|-------------|-------|
| <b>122 0 207 940</b> | black       | 60 mm | <b>122 0 217 940</b> | black       | 76 mm |
| <b>122 0 207 960</b> | white       | 60 mm | <b>122 0 217 960</b> | white       | 76 mm |
| <b>122 0 207 950</b> | silver grey | 60 mm | <b>122 0 217 950</b> | silver grey | 76 mm |

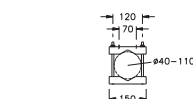


Description **Pole mount fitter** for two luminaires

| Part number          | Colour      | Ø     | Part number          | Colour      | Ø     |
|----------------------|-------------|-------|----------------------|-------------|-------|
| <b>122 0 208 940</b> | black       | 60 mm | <b>122 0 218 940</b> | black       | 76 mm |
| <b>122 0 208 960</b> | white       | 60 mm | <b>122 0 218 960</b> | white       | 76 mm |
| <b>122 0 208 950</b> | silver grey | 60 mm | <b>122 0 218 950</b> | silver grey | 76 mm |

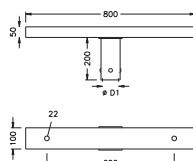


| Part number          | Colour      | Description                                                             |
|----------------------|-------------|-------------------------------------------------------------------------|
| <b>122 0 209 940</b> | black       | <b>Pole adapter</b><br>for one luminaire, for pole diameter 80 – 110 mm |
| <b>122 0 209 960</b> | white       |                                                                         |
| <b>122 0 209 950</b> | silver grey |                                                                         |

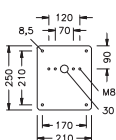


### Fluxa A/B

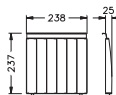
| Part number          | Colour      | Description                                                                                                                  |
|----------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 240 940</b> | black       | <b>Universal pole clamp</b> , aluminium, polyester powder coated, stainless steel bolts, for mounting on poles Ø 40 - 110 mm |
| <b>120 0 240 960</b> | white       |                                                                                                                              |
| <b>120 0 240 950</b> | silver grey |                                                                                                                              |



| Part number          | Colour      | Description                                                                                                         |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------|
| <b>128 0 287 940</b> | black       | <b>Crossbar</b> , for pole <b>D1= 76 mm</b> , for two luminaires, hot dip galvanized steel, polyester powder coated |
| <b>128 0 287 960</b> | white       |                                                                                                                     |
| <b>128 0 287 950</b> | silver grey |                                                                                                                     |
| <b>128 0 287 000</b> | unpainted   | <b>Crossbar</b> , for pole <b>D1= 76 mm</b> , for two luminaires, hot dip galvanized steel                          |
| <b>128 0 552 940</b> | black       | <b>Crossbar</b> , for pole <b>D1= 89 mm</b> , for two luminaires, hot dip galvanized steel, polyester powder coated |
| <b>128 0 552 960</b> | white       |                                                                                                                     |
| <b>128 0 552 950</b> | silver grey |                                                                                                                     |
| <b>128 0 552 000</b> | unpainted   | <b>Crossbar</b> , for pole <b>D1= 89 mm</b> , for two luminaires, hot dip galvanized steel                          |

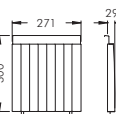


| Part number          | Colour      | Description                                                                                           |
|----------------------|-------------|-------------------------------------------------------------------------------------------------------|
| <b>128 0 232 940</b> | black       | <b>Wall plate B</b> , aluminium, polyester powder coated, for additional support on unstable surfaces |
| <b>128 0 232 960</b> | white       |                                                                                                       |
| <b>128 0 232 950</b> | silver grey |                                                                                                       |



### Fluxa A asymmetrical beam

| Part number          | Colour      | Description                                                                                   |
|----------------------|-------------|-----------------------------------------------------------------------------------------------|
| <b>122 0 066 940</b> | black       | <b>Louvre</b> , stainless steel, to reduce lateral glare, for mounting on front of floodlight |
| <b>122 0 066 960</b> | white       |                                                                                               |
| <b>122 0 066 950</b> | silver grey |                                                                                               |



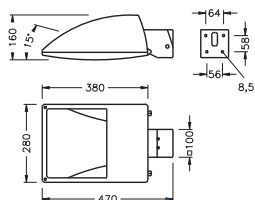
### Fluxa B asymmetrical beam

| Part number          | Colour      | Description                                                                                   |
|----------------------|-------------|-----------------------------------------------------------------------------------------------|
| <b>122 0 354 940</b> | black       | <b>Louvre</b> , stainless steel, to reduce lateral glare, for mounting on front of floodlight |
| <b>122 0 354 960</b> | white       |                                                                                               |
| <b>122 0 354 950</b> | silver grey |                                                                                               |



### Fluxa A (HIT) asymmetrical beam

| Part number          | Description                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| <b>232 0 150 000</b> | <b>Glare shield 285 x 85 mm</b> , continuously adjustable 45mm, to reduce glare from light reflected backwards |

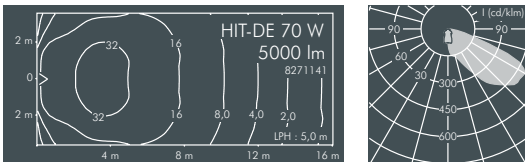


**Fluxa AG**

For metal halide lamps (HIT-DE/HIT), ceramic metal halide lamps (HIT-DE-CE/HIT-CE), high pressure sodium lamps (HST-DE) protection class I, IP65  , IK08 windage area AW 0.11 m<sup>2</sup> corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high gloss aluminium reflector, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 4 stainless steel screws, hinged front frame, adjustable bracket assembly: 2 drilled holes Ø 8.5 mm, spacing 64 mm, 2 drilled holes Ø 8.5 mm, spacing 56 mm, tilt range 15°, M20 cable gland, integral LPF ballast and ignitor, HPF available on request (see page 246), supplied without lamp

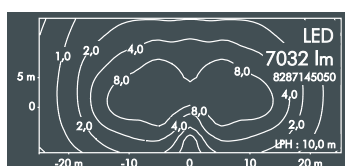
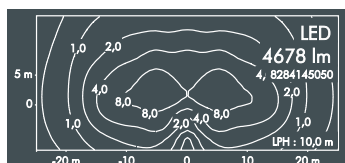
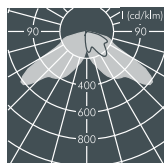
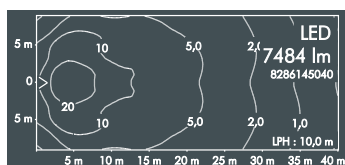
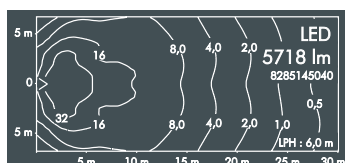
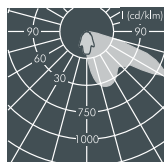
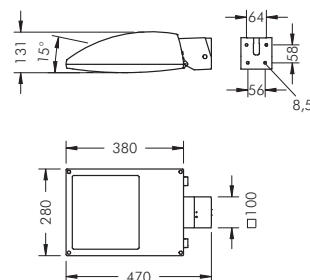
**Fluxa AG 70 W, asymmetrical beam**

| Part number          | Colour      | Lamp           | Lampholder | Weight | Main beam angle $\gamma$ |
|----------------------|-------------|----------------|------------|--------|--------------------------|
| <b>8 271 141 008</b> | black       | HIT-DE 70 W    | Rx7s       | 8.5 kg | 60°                      |
| <b>8 271 161 008</b> | white       | HIT-DE-CE 70 W |            |        |                          |
| <b>8 271 151 008</b> | silver grey | HST-DE 70 W    |            |        |                          |



## Fluxa AG

With high performance LED modules (Zhaga),  
integral temperature monitoring device,  
CRI: > 70, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.11 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
4 stainless steel screws, hinged front frame,  
adjustable bracket assembly:  
2 drilled holes Ø 8.5 mm, spacing 64 mm,  
2 drilled holes Ø 8.5 mm, spacing 56 mm,  
tilt range 15°, M20 cable gland,  
integral driver (AC/DC)



### Fluxa AG, asymmetrical beam

| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 285 145 048</b> | black       | 6.2 kg | 1 x LED module 48 W    | 5718 lm       | 60°               |
| <b>8 285 165 048</b> | white       |        | neutral white (4000 K) |               |                   |
| <b>8 285 155 048</b> | silver grey |        |                        |               |                   |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 286 145 048</b> | black       | 6.2 kg | 1 x LED module 63 W    | 7484 lm       | 60°               |
| <b>8 286 165 048</b> | white       |        | neutral white (4000 K) |               |                   |
| <b>8 286 155 048</b> | silver grey |        |                        |               |                   |

### Fluxa AG, wide beam

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 284 145 058</b> | black       | 6.2 kg | 2 x LED module 20 W    | 4678 lm       | C 0 – 180           |
| <b>8 284 165 058</b> | white       |        | (40 W)                 |               | 72°                 |
| <b>8 284 155 058</b> | silver grey |        | neutral white (4000 K) |               | 122°                |

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|------------------------|---------------|---------------------|
| <b>8 287 145 058</b> | black       | 6.2 kg | 2 x LED module 31 W    | 7032 lm       | C 0 – 180           |
| <b>8 287 165 058</b> | white       |        | (62 W)                 |               | 72°                 |
| <b>8 287 155 058</b> | silver grey |        | neutral white (4000 K) |               | 122°                |

| Part number              | Description                                                                 |
|--------------------------|-----------------------------------------------------------------------------|
| <b>. . . . . 6 . . .</b> | <b>Luminaire with warm white LED module (3000 K)</b>                        |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire* DALI / StepDIM / AstroDIM</b>                        |
| <b>. . . . . . 6 .</b>   | <b>Luminaire asymmetrical beam, with prismatic glass, for reduced glare</b> |
| <b>. . . . . . 7 .</b>   | <b>Luminaire wide beam, with prismatic glass, for reduced glare</b>         |

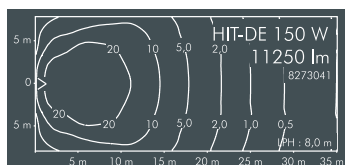
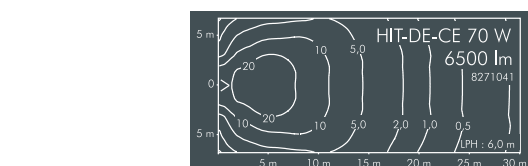
\* Light control options see page 183

### Lux level comparison HIT-DE 70 W / LED 48 W, asymmetrical beam

HIT-DE 70 W: 7 lux average level  
LED 48 W: 10 lux average level

### Lux level comparison HIT-DE 150 W / LED 63 W, asymmetrical beam

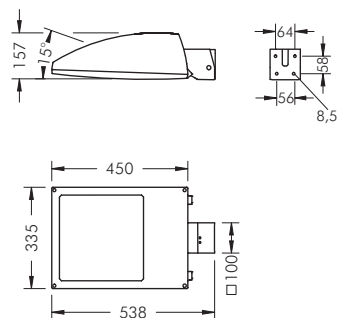
HIT-DE 150 W: 8 lux average level  
LED 63 W: 7.5 lux average level



LED (see page 247)

luminaires available in 2700 K and other colour temperatures upon request



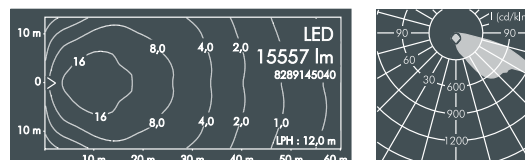


## Fluxa BG

With high performance LED modules (Zhaga), integral temperature monitoring device, CRI: > 70, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65    , IK09  
windage area AW 0.16 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
4 stainless steel screws, hinged front frame,  
adjustable bracket assembly:  
2 drilled holes Ø 8.5 mm, spacing 64 mm,  
2 drilled holes Ø 8.5 mm, spacing 56 mm,  
tilt range 15°, M20 cable gland,  
integral driver (AC/DC)

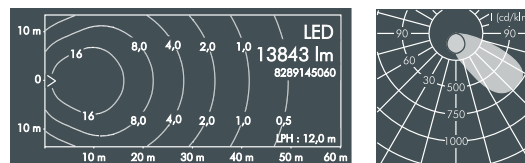
### Fluxa BG, asymmetrical beam

| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 289 145 048</b> | black       | 9.7 kg | 2 x LED module 79 W    | 15557 lm      | 65°               |
| <b>8 289 165 048</b> | white       |        | (158 W)                |               |                   |
| <b>8 289 155 048</b> | silver grey |        | neutral white (4000 K) |               |                   |



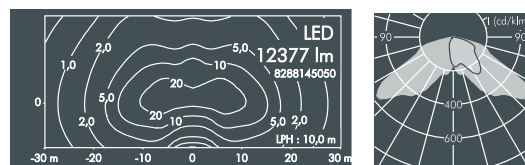
### Fluxa BG, asymmetrical beam, with prismatic glass, for reduced glare

| Part number          | Colour      | Weight | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|------------------------|---------------|-------------------|
| <b>8 289 145 068</b> | black       | 9.7 kg | 2 x LED module 79 W    | 13843 lm      | 53°               |
| <b>8 289 165 068</b> | white       |        | (158 W)                |               |                   |
| <b>8 289 155 068</b> | silver grey |        | neutral white (4000 K) |               |                   |



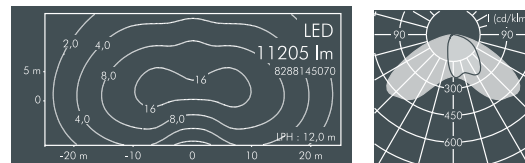
### Fluxa BG, wide beam

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 288 145 058</b> | black       | 9.7 kg | 2 x LED module 70 W    | 12377 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 288 165 058</b> | white       |        | (140 W)                |               | 67°                 | 124°       |
| <b>8 288 155 058</b> | silver grey |        | neutral white (4000 K) |               |                     |            |

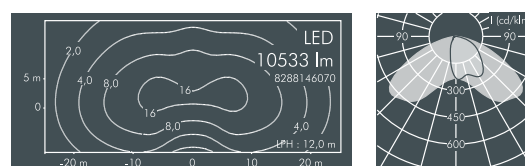


### Fluxa BG, wide beam, with prismatic glass, for reduced glare

| Part number          | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------------|
| <b>8 288 145 078</b> | black       | 9.7 kg | 2 x LED module 70 W    | 11205 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 288 165 078</b> | white       |        | (140 W)                |               | 61°                 | 133°       |
| <b>8 288 155 078</b> | silver grey |        | neutral white (4000 K) |               |                     |            |



| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 288 146 078</b> | black       | 9.7 kg | 2 x LED module 70 W | 10533 lm      | C 0 – 180           | C 90 – 270 |
| <b>8 288 166 078</b> | white       |        | (140 W)             |               | 61°                 | 133°       |
| <b>8 288 156 078</b> | silver grey |        | warm white (3000 K) |               |                     |            |



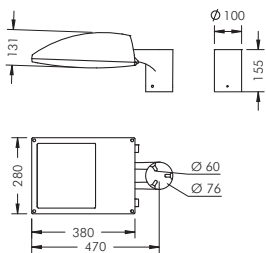
| Part number      | Description                                          |
|------------------|------------------------------------------------------|
| <b>... 6 ...</b> | <b>Luminaire with warm white LED module (3000 K)</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                     |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





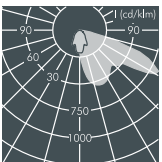
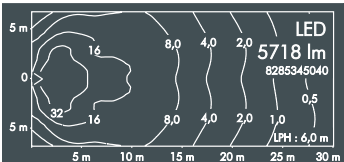


Fluxa A pole top luminaire, single configuration

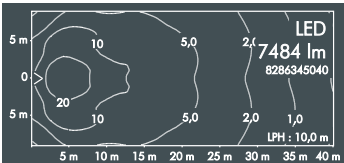
With high performance LED modules (Zhaga), integral temperature monitoring device, CRI: > 70, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK08  
windage area AW 0.11 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
4 stainless steel screws, hinged front frame,  
with pole top fitter for 1 luminaire,  
for poles Ø 60/76 mm, M20 cable gland,  
with 8 m cable H05RN-F3G1, integral driver

Fluxa A pole top luminaire, single configuration, asymmetrical beam

| Part number   | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|---------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| 8 285 345 048 | black       | 6.6 kg | 1 x LED module 48 W<br>neutral white (4000 K) | 5718 lm       | 60°               |
| 8 285 365 048 | white       |        |                                               |               |                   |
| 8 285 355 048 | silver grey |        |                                               |               |                   |

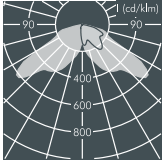
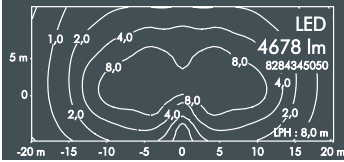


| Part number   | Colour      | Weight | Light source                                  | Luminous flux | Main beam angle γ |
|---------------|-------------|--------|-----------------------------------------------|---------------|-------------------|
| 8 286 345 048 | black       | 6.6 kg | 1 x LED module 63 W<br>neutral white (4000 K) | 7484 lm       | 60°               |
| 8 286 365 048 | white       |        |                                               |               |                   |
| 8 286 355 048 | silver grey |        |                                               |               |                   |

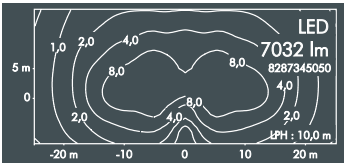


Fluxa A pole top luminaire, single configuration, wide beam

| Part number   | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| 8 284 345 058 | black       | 6.6 kg | 2 x LED module 20 W<br>(40 W)<br>neutral white (4000 K) | 4678 lm       | C 0 – 180           | C 90 – 270 |
| 8 284 365 058 | white       |        |                                                         |               | 72°                 | 122°       |
| 8 284 355 058 | silver grey |        |                                                         |               |                     |            |



| Part number   | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |            |
|---------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------------|
| 8 287 345 058 | black       | 6.6 kg | 2 x LED module 31 W<br>(62 W)<br>neutral white (4000 K) | 7032 lm       | C 0 – 180           | C 90 – 270 |
| 8 287 365 058 | white       |        |                                                         |               | 72°                 | 122°       |
| 8 287 355 058 | silver grey |        |                                                         |               |                     |            |



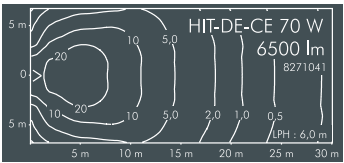
| Part number       | Description                                                          |
|-------------------|----------------------------------------------------------------------|
| . . . . . 6 . . . | Luminaire with warm white LED module (3000 K)                        |
| . . . . . 1 . .   | Dimmable luminaire* DALI / StepDIM / AstroDIM                        |
| . . . . . . 6 .   | Luminaire asymmetrical beam, with prismatic glass, for reduced glare |
| . . . . . . 7 .   | Luminaire wide beam, with prismatic glass, for reduced glare         |

\* Light control options see page 183

Lux level comparison HIT-DE 70 W / LED 48 W, asymmetrical beam

HIT-DE 70 W: 7 lux average level

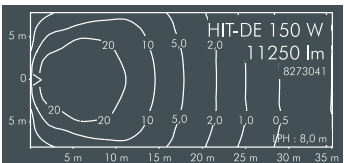
LED 48 W: 10 lux average level



Lux level comparison HIT-DE 150 W / LED 63 W, asymmetrical beam

HIT-DE 150 W: 8 lux average level

LED 63 W: 7.5 lux average level



LED (see page 247)

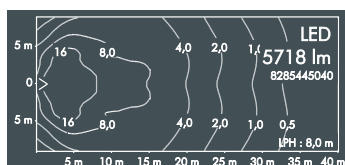
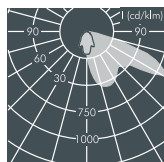
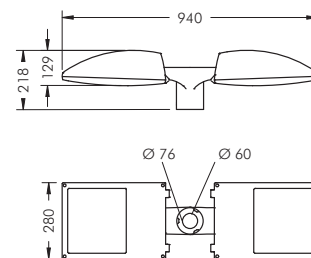
luminaires available in 2700 K and other colour temperatures upon request





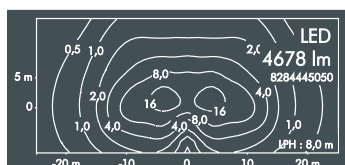
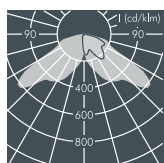
## Fluxa A pole top luminaire, double configuration

With high performance LED modules (Zhaga),  
integral temperature monitoring device,  
CRI: > 70, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67  , IK08  
windage area AW 0.22 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
2 x 4 stainless steel screws, hinged front frame,  
with pole top fitter for 2 luminaires,  
for poles Ø 60/76 mm, M20 cable gland,  
with 8 m cable H05RN-F3G1, integral driver



### Fluxa A pole top luminaire, double configuration, asymmetrical beam

| Part number          | Colour      | Weight  | Light source           | Luminous flux | Main beam angle γ |
|----------------------|-------------|---------|------------------------|---------------|-------------------|
| <b>8 285 445 048</b> | black       | 12.3 kg | 2 x 1 LED module 48 W  | 2 x 5718 lm   | 60°               |
| <b>8 285 465 048</b> | white       |         | (96 W)                 |               |                   |
| <b>8 285 455 048</b> | silver grey |         | neutral white (4000 K) |               |                   |



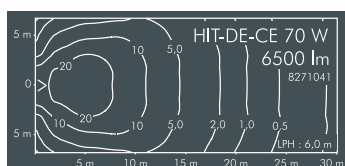
### Fluxa A pole top luminaire, double configuration, wide beam

| Part number          | Colour      | Weight  | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------|------------------------|---------------|---------------------|
| <b>8 284 445 058</b> | black       | 12.3 kg | 2 x 1 LED module 63 W  | 2 x 4678 lm   | C 0 – 180           |
| <b>8 284 465 058</b> | white       |         | (126 W)                |               | 72°                 |
| <b>8 284 455 058</b> | silver grey |         | neutral white (4000 K) |               | 122°                |

| Part number          | Colour      | Weight  | Light source           | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|---------|------------------------|---------------|---------------------|
| <b>8 287 445 058</b> | black       | 12.3 kg | 2 x 2 LED module 31 W  | 2 x 7032 lm   | C 0 – 180           |
| <b>8 287 465 058</b> | white       |         | (124 W)                |               | 72°                 |
| <b>8 287 455 058</b> | silver grey |         | neutral white (4000 K) |               | 122°                |

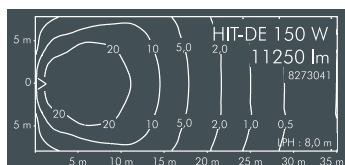
| Part number              | Description                                                                 |
|--------------------------|-----------------------------------------------------------------------------|
| <b>. . . . . 6 . . .</b> | <b>Luminaire with warm white LED module (3000 K)</b>                        |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire* DALI / StepDIM / AstroDIM</b>                        |
| <b>. . . . . .6.</b>     | <b>Luminaire asymmetrical beam, with prismatic glass, for reduced glare</b> |
| <b>. . . . . .7.</b>     | <b>Luminaire wide beam, with prismatic glass, for reduced glare</b>         |

\* Light control options see page 183



### Lux level comparison HIT-DE 70 W / LED 48 W, asymmetrical beam

HIT-DE 70 W: 7 lux average level  
LED 48 W: 10 lux average level



### Lux level comparison HIT-DE 150 W / LED 63 W, asymmetrical beam

HIT-DE 150 W: 8 lux average level  
LED 63 W: 7.5 lux average level

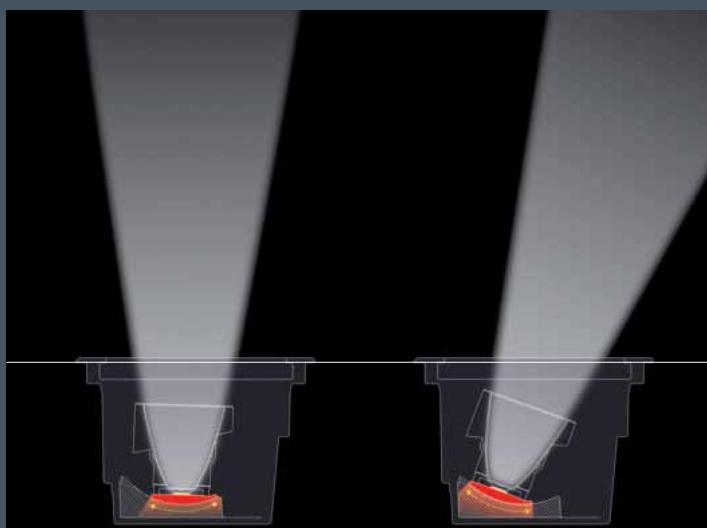
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





The Uplight product range offers flexible tools for sophisticated lighting projects, from accent lighting to floodlighting. These in-ground uplighters combine all the important product advantages: precise light distribution, optimal glare control, adjustable optics, shallow depth. This unique combination of technical advantages is achieved by a well thought-out product design. With the Uplight series it is possible to achieve the desired lighting effect for almost any application.



Uplight 220 and 260 are equipped with the newly developed Heatslide mechanism. This makes it possible to tilt the reflector without the LED module losing physical contact with the luminaire housing. This ensures optimal heat dissipation and uncompromised longevity of the LED module.

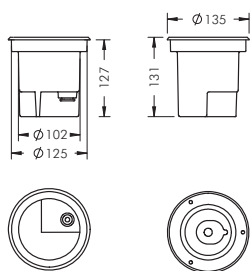


Residential Palace Rastatt

Lighting design: Belzner Holmes und Partner Licht-Design, Stuttgart/Eschen, Liechtenstein  
Cultural heritage of the state of Baden-Württemberg, administered by Staatliche Schlösser und Gärten Baden-Württemberg

There are versions with wall washer optics available. They create uniform illumination from the bottom to the top of the façade. Thanks to adjustable optics the beam orientation can be adapted to different distances and wall sizes. The shallow recess depth makes an easy installation possible.





## Uplight 135 adjustable optics

With high performance LED,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
Protection class I, IP67  IK10  
corrosion-resistant cast aluminium housing AlSi12,  
double polyester powder coated,  
LED board adjustable 0-15°, lockable,  
highly efficient aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass flush with trim ring,  
for loads up to max. 5000 kg (according to  
DIN EN 60598-2-13), silicon gasket,  
V4A stainless steel trim ring and 3 screws,  
M20 cable gland with 0.8 m cable H05RN-F3G1,  
integral driver (AC/DC)

### Uplight 135, adjustable optics, narrow beam\*

| Part number          | Weight | Light source                       | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|------------------------------------|---------------|------------|---------------------|
| <b>8 657 016 018</b> | 1.6 kg | 1 x LED 3 W<br>warm white (3000 K) | 125 lm        | 0 – 15°    | 4°                  |

| Part number          | Weight | Light source                          | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|---------------------------------------|---------------|------------|---------------------|
| <b>8 657 015 018</b> | 1.6 kg | 1 x LED 3 W<br>neutral white (4000 K) | 142 lm        | 0 – 15°    | 4°                  |

\* Recommended wall distance 0.1 m

### Uplight 135, adjustable optics, medium wide beam

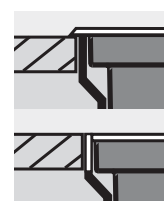
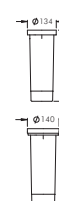
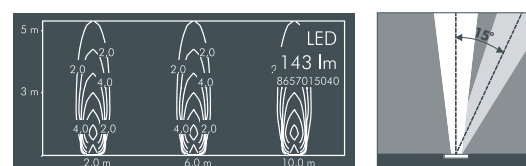
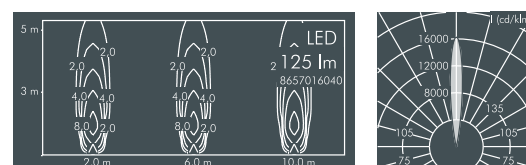
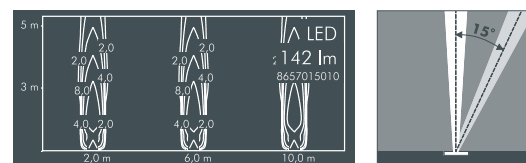
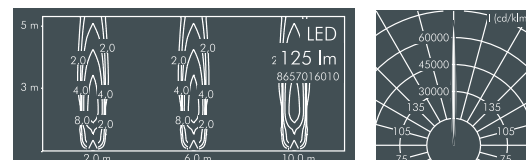
| Part number          | Weight | Light source                       | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|------------------------------------|---------------|------------|---------------------|
| <b>8 657 016 048</b> | 1.6 kg | 1 x LED 3 W<br>warm white (3000 K) | 125 lm        | 0 – 15°    | 13°                 |

| Part number          | Weight | Light source                          | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|---------------------------------------|---------------|------------|---------------------|
| <b>8 657 015 048</b> | 1.6 kg | 1 x LED 3 W<br>neutral white (4000 K) | 143 lm        | 0 – 15°    | 13°                 |

| Part number            | Description                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>8 658 . . . . .</b> | <b>Luminaire for installation flush with surrounding surface</b><br>(in combination with installation sleeve 126 0 205 060) |

### Accessories Uplight 135

| Part number          | Description                                                                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>126 0 205 000</b> | <b>Installation sleeve*</b> , polypropylene,<br>for luminaire with overlapping trim (for luminaires <b>8 657 . . . . .</b> )<br>* If necessary can be shortened on site.           |
| <b>126 0 205 060</b> | <b>Installation sleeve*</b> , polypropylene,<br>for luminaire with trim for flush mounting (for luminaires <b>8 658 . . . . .</b> )<br>* If necessary can be shortened on site.    |
| <b>226 0 161 000</b> | <b>Connection box</b> ,<br>for single connection to luminaire or for through wiring with buried cable.<br>For luminaires supplied with cable and installation sleeve (recess box). |



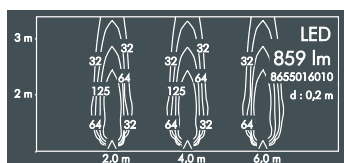
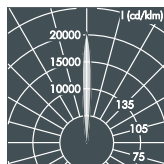
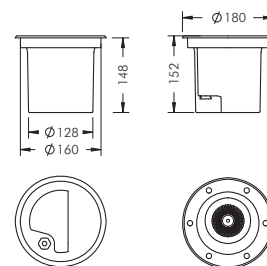
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



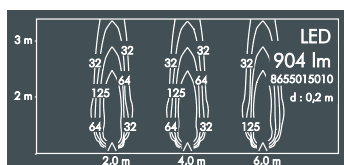
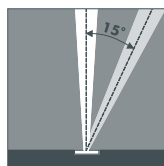
## Uplight 180 adjustable optics

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: 3 SDCM  
Service life: L80/B20 > 50 000 h  
Protection class I, IP68 (1.5 m) , IK10  
corrosion-resistant cast aluminium housing AlSi12,  
double powder coated,  
high gloss aluminium reflector, tilt range 0-15°,  
lockable, all exterior steel parts are stainless steel,  
tempered safety glass, for loads up to max. 5000 kg  
(according to DIN EN 60598-2-13),  
silicon gasket, V4A stainless steel trim ring and  
closure with 6 screws (V4A),  
M20 cable gland, with 0.8 m cable H07RN-F3G1,  
integral driver (AC/DC)

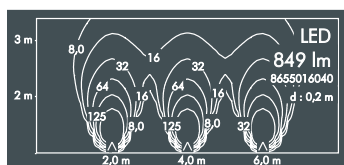
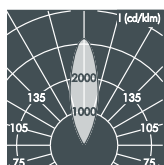


### Uplight 180, adjustable optics, narrow beam

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|
| <b>8 655 016 018</b> | 2.6 kg | 1 x LED module 11 W<br>warm white (3000 K) | 859 lm        | 0 – 15°    | 8°                  |

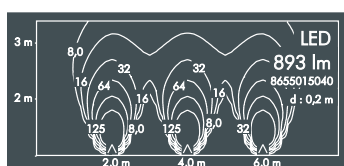
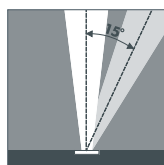


| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|
| <b>8 655 015 018</b> | 2.6 kg | 1 x LED module 11 W<br>neutral white (4000 K) | 904 lm        | 0 – 15°    | 8°                  |

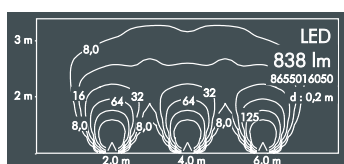
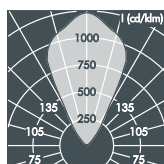


### Uplight 180, adjustable optics, medium wide beam

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|
| <b>8 655 016 048</b> | 2.6 kg | 1 x LED module 11 W<br>warm white (3000 K) | 849 lm        | 0 – 15°    | 31°                 |

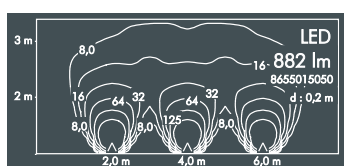
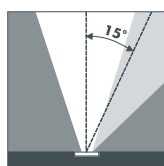


| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|
| <b>8 655 015 048</b> | 2.6 kg | 1 x LED module 11 W<br>neutral white (4000 K) | 893 lm        | 0 – 15°    | 31°                 |



### Uplight 180, adjustable optics, wide beam

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|
| <b>8 655 016 058</b> | 2.6 kg | 1 x LED module 11 W<br>warm white (3000 K) | 838 lm        | 0 – 15°    | 55°                 |



| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|
| <b>8 655 015 058</b> | 2.6 kg | 1 x LED module 11 W<br>neutral white (4000 K) | 882 lm        | 0 – 15°    | 55°                 |

| Part number      | Description                                                                                                                 |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>... 1 ...</b> | <b>Luminaire with slip resistant glass</b> (R13 according to DIN EN 51130)<br>The light distribution becomes more diffuse.  |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                                                                                            |
| <b>8 656 ...</b> | <b>Luminaire for installation flush with surrounding surface</b><br>(in combination with installation sleeve 126 0 371 060) |

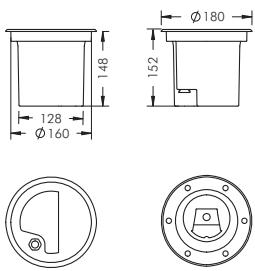
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



Accessories see page 203

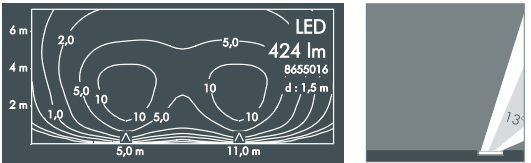
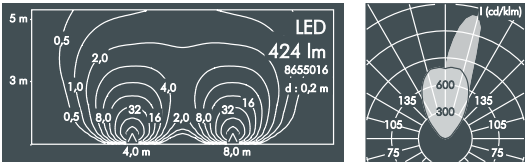




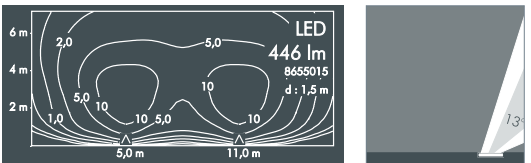
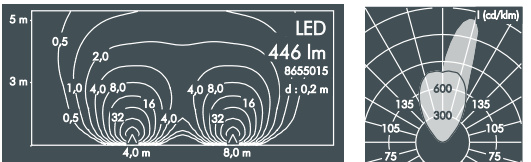
**Uplight 180 adjustable optics, wall washer**  
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, colour tolerance: 3 SDCM service life: L80/B20 > 50 000 h Protection class I, IP68 (1.5 m) , IK10 corrosion-resistant cast aluminium housing AlSi12, double polyester powder coated, highly efficient aluminium reflector, wall washer lens with optical structure, adjustable glare shield, tilt range 0-13°, lockable, all exterior steel parts are stainless steel, tempered safety glass flush with frame, for loads up to max. 5000 kg (according to IEC/EN 60598-2-13), silicon gasket, V4A stainless steel trim ring and closure with 6 screws (V4A), M20 cable gland, with 0.8 m cable H07RN-F3G1, integral driver (AC/DC)

**Uplight 180, adjustable optics, wall washer**

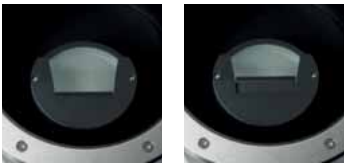
| Part number          | Weight | Light source                            | Luminous flux | Tilt range | Beam angle γ (FWHM) |            |
|----------------------|--------|-----------------------------------------|---------------|------------|---------------------|------------|
| <b>8 655 016 008</b> | 2.7 kg | 1 x LED module 11 W warm white (3000 K) | 424 lm        | 0 – 13°    | C 0 – 180           | C 90 – 270 |
|                      |        |                                         |               |            | 30°                 | 75°        |



| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |            |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|------------|
| <b>8 655 015 008</b> | 2.7 kg | 1 x LED module 11 W neutral white (4000 K) | 446 lm        | 0 – 13°    | C 0 – 180           | C 90 – 270 |
|                      |        |                                            |               |            | 30°                 | 75°        |

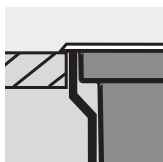
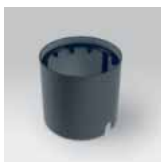
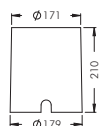


| Part number              | Description                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>. . . . 1 . . . .</b> | <b>Luminaire with slip resistant glass</b> (R13 according to DIN EN 51130)<br>The light distribution becomes more diffuse.  |
| <b>. . . . . 1 . .</b>   | <b>Dimmable luminaire (DALI)</b>                                                                                            |
| <b>8 656 . . . . .</b>   | <b>Luminaire for installation flush with surrounding surface</b><br>(in combination with installation sleeve 126 0 371 060) |



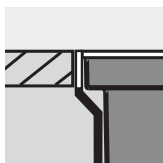
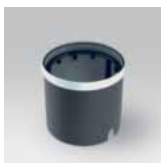
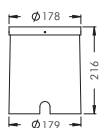
The adjustable glare shield reduces spill light and light pollution.



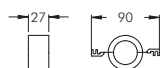


#### Accessories Uplight 180

| Part number          | Description                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>126 0 371 000</b> | <b>Installation sleeve</b> , polypropylene, for luminaire with overlapping trim (for luminaires <b>8 655</b> . . . . .) |

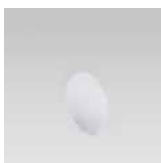


| Part number          | Description                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>126 0 371 060</b> | <b>Installation sleeve</b> , polypropylene, for luminaire with trim for flush mounting (for luminaires <b>8 656</b> . . . . .) |



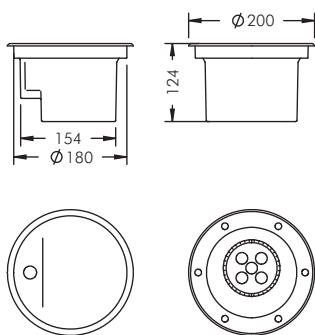
#### Uplight 180, adjustable optics (narrow beam, medium wide beam, wide beam)

| Part number          | Description                                     |
|----------------------|-------------------------------------------------|
| <b>126 0 372 940</b> | <b>Radial louvre</b><br>to reduce lateral glare |



| Part number          | Description                                                                          |
|----------------------|--------------------------------------------------------------------------------------|
| <b>126 0 340 000</b> | <b>Ribbed glass</b><br>for linear beam control, continuously adjustable through 360° |



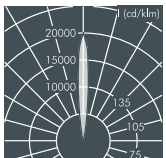
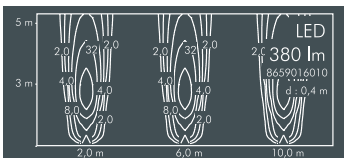


### Uplight 200 gimbal mounted

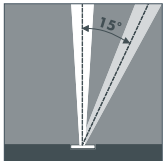
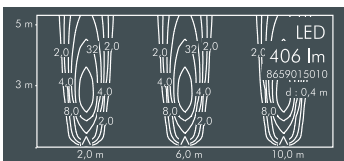
With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK10  
corrosion-resistant cast aluminium housing AlSi12,  
double powder coated,  
precise PMMA optics,  
tilt range 0-15°, lockable,  
all exterior steel parts are stainless steel,  
tempered safety glass flush with frame,  
for loads up to max. 5000 kg (according to  
DIN EN 60598-2-13), silicon gasket,  
V4A stainless steel trim ring and 6 screws,  
M20 cable gland with 0.8 m cable H07RN-F3G1.5,  
integral driver

#### Uplight 200, gimbal mounted, narrow beam

| Part number          | Weight | Light source                                | Luminous flux | Tilt range | Beam angle $\gamma$ (FWHM) |
|----------------------|--------|---------------------------------------------|---------------|------------|----------------------------|
| <b>8 659 016 018</b> | 3.3 kg | 5 x LED 1 W<br>(5 W)<br>warm white (3000 K) | 380 lm        | 0 – 15°    | 10°                        |

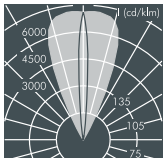
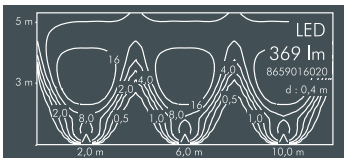


| Part number          | Weight | Light source                                   | Luminous flux | Tilt range | Beam angle $\gamma$ (FWHM) |
|----------------------|--------|------------------------------------------------|---------------|------------|----------------------------|
| <b>8 659 015 018</b> | 3.3 kg | 5 x LED 1 W<br>(5 W)<br>neutral white (4000 K) | 406 lm        | 0 – 15°    | 10°                        |

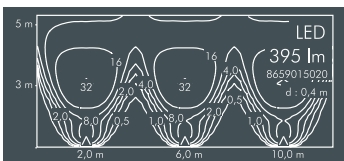


#### Uplight 200, gimbal mounted, linear beam spread

| Part number          | Weight | Light source                                | Luminous flux | Tilt range | Beam angle $\gamma$ (FWHM)        |
|----------------------|--------|---------------------------------------------|---------------|------------|-----------------------------------|
| <b>8 659 016 028</b> | 3.3 kg | 5 x LED 1 W<br>(5 W)<br>warm white (3000 K) | 369 lm        | 0 – 15°    | C 0 – 180<br>C 90 – 270<br>8° 47° |

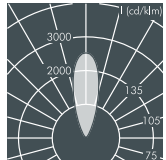
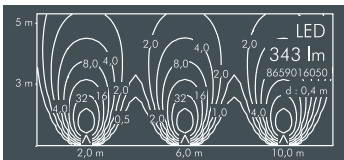


| Part number          | Weight | Light source                                   | Luminous flux | Tilt range | Beam angle $\gamma$ (FWHM)        |
|----------------------|--------|------------------------------------------------|---------------|------------|-----------------------------------|
| <b>8 659 015 028</b> | 3.3 kg | 5 x LED 1 W<br>(5 W)<br>neutral white (4000 K) | 395 lm        | 0 – 15°    | C 0 – 180<br>C 90 – 270<br>8° 47° |

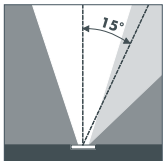
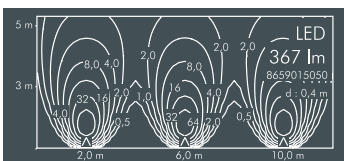


#### Uplight 200, gimbal mounted, wide beam

| Part number          | Weight | Light source                                | Luminous flux | Tilt range | Beam angle $\gamma$ (FWHM) |
|----------------------|--------|---------------------------------------------|---------------|------------|----------------------------|
| <b>8 659 016 058</b> | 3.3 kg | 5 x LED 1 W<br>(5 W)<br>warm white (3000 K) | 343 lm        | 0 – 15°    | 33°                        |



| Part number          | Weight | Light source                                   | Luminous flux | Tilt range | Beam angle $\gamma$ (FWHM) |
|----------------------|--------|------------------------------------------------|---------------|------------|----------------------------|
| <b>8 659 015 058</b> | 3.3 kg | 5 x LED 1 W<br>(5 W)<br>neutral white (4000 K) | 367 lm        | 0 – 15°    | 33°                        |



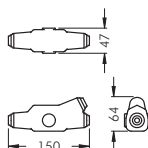
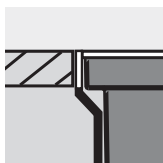
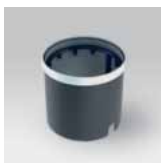
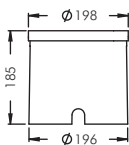
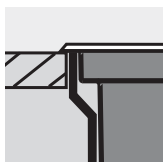
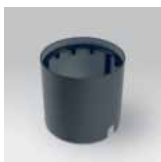
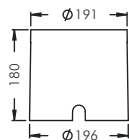
| Part number              | Description                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>. . . . 1 . . . .</b> | <b>Luminaire with slip resistant glass</b> (R13 according to DIN EN 51130)<br>The light distribution becomes more diffuse.  |
| <b>8 660 . . . . .</b>   | <b>Luminaire for installation flush with surrounding surface</b><br>(in combination with installation sleeve 126 0 232 060) |

Accessories see page 205

LED (see page 247)

luminaires available in 2700 K and other colour temperatures upon request



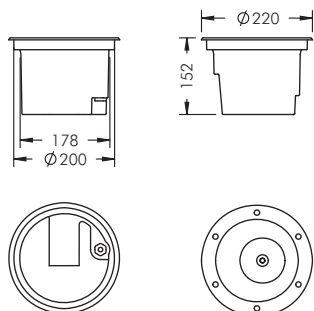


### Accessories Uplight 200

| Part number          | Description                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>126 0 232 000</b> | <b>Installation sleeve</b> , polypropylene, for luminaire with overlapping trim (for luminaires <b>8 659</b> ... ..) |

| Part number          | Description                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>126 0 232 060</b> | <b>Installation sleeve</b> , polypropylene, for luminaire with trim for flush mounting (for luminaires <b>8 660</b> ... ..) |

| Part number          | Description                                                                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>226 0 161 000</b> | <b>Connection box</b> , for single connection to luminaire or for through wiring with buried cable. For luminaires supplied with cable and installation sleeve (recess box). |



## Uplight 220 adjustable optics

With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP68 (1.5 m) , IK10  
corrosion-resistant cast aluminium housing AlSi12, double powder coated,  
highly efficient aluminium reflector,  
tilt range 0-20°, lockable,  
with Heatslide mechanism for optimal heat dissipation,  
all exterior steel parts are stainless steel,  
tempered safety glass flush with frame,  
for loads up to max. 5000 kg (according to DIN EN 60598-2-13), silicon gasket,  
V4A stainless steel trim ring and 6 screws,  
M20 cable gland with 0.8 m cable H07RN-F3G1,  
integral driver (AC)

### Uplight 220, adjustable optics, narrow beam

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|
| <b>8 663 016 018</b> | 3.8 kg | 1 x LED module 19 W<br>warm white (3000 K) | 1628 lm       | 0 – 20°    | 9°                  |

| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|
| <b>8 663 015 018</b> | 3.8 kg | 1 x LED module 19 W<br>neutral white (4000 K) | 1710 lm       | 0 – 20°    | 9°                  |

### Uplight 220, adjustable optics, medium wide beam

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|
| <b>8 663 016 048</b> | 3.8 kg | 1 x LED module 19 W<br>warm white (3000 K) | 1640 lm       | 0 – 20°    | 30°                 |

| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|
| <b>8 663 015 048</b> | 3.8 kg | 1 x LED module 19 W<br>neutral white (4000 K) | 1722 lm       | 0 – 20°    | 30°                 |

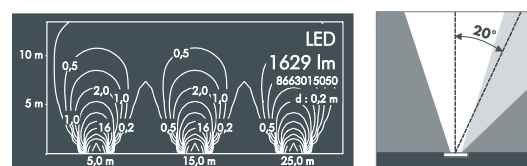
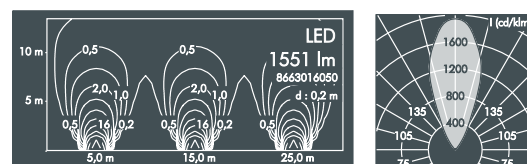
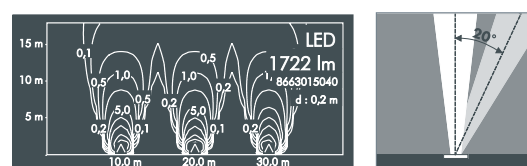
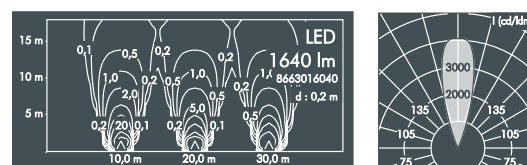
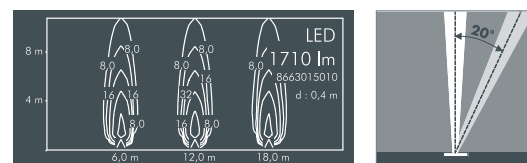
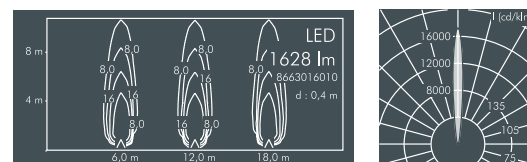
### Uplight 220, adjustable optics, wide beam

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|
| <b>8 663 016 058</b> | 3.8 kg | 1 x LED module 19 W<br>warm white (3000 K) | 1551 lm       | 0 – 20°    | 42°                 |

| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|
| <b>8 663 015 058</b> | 3.8 kg | 1 x LED module 19 W<br>neutral white (4000 K) | 1629 lm       | 0 – 20°    | 42°                 |

| Part number      | Description                                                                                                                 |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>... 1 ...</b> | <b>Luminaire with slip resistant glass</b> (R13 according to DIN EN 51130)<br>The light distribution becomes more diffuse.  |
| <b>... 1 ..</b>  | <b>Dimmable luminaire (DALI)</b>                                                                                            |
| <b>... 2 ..</b>  | <b>Dimmable luminaire (1-10 V)</b>                                                                                          |
| <b>8 664 ...</b> | <b>Luminaire for installation flush with surrounding surface</b><br>(in combination with installation sleeve 126 0 338 060) |

Accessories see page 208



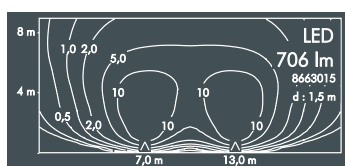
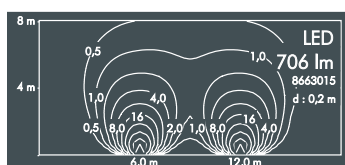
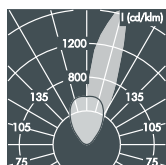
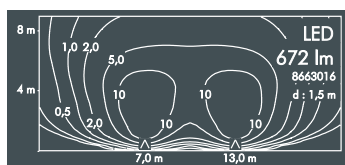
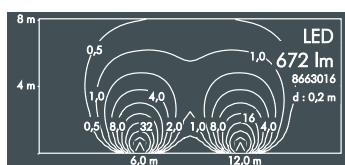
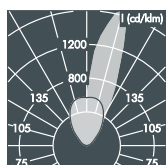
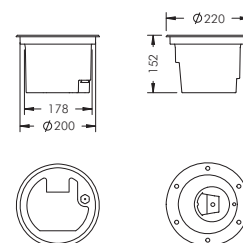
LED (see page 247)

luminaires available in 2700 K or other colour temperatures upon request



## Uplight 220 adjustable optics, wall washer

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 80, colour tolerance: 3 SDCM  
service life: L80/B20 > 50 000 h  
Protection class I, IP68 (1.5 m) , IK10  
corrosion-resistant cast aluminium housing AlSi12,  
double polyester powder coated,  
highly efficient aluminium reflector,  
wall washer lens with optical structure,  
adjustable glare shield, tilt range 0-20°, lockable,  
with Heatslide mechanism for optimal heat dissipation,  
all exterior steel parts are stainless steel,  
tempered safety glass flush with frame,  
for loads up to max. 5000 kg (according to  
IEC/EN 60598-2-13), silicon gasket,  
V4A stainless steel trim ring and  
closure with 6 screws (V4A),  
M20 cable gland, with 0.8 m cable H07RN-F3G1,  
integral driver (AC)



### Uplight 220, adjustable optics, wall washer

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |                   |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|-------------------|
| <b>8 663 016 008</b> | 3.8 kg | 1 x LED module 19 W<br>warm white (3000 K) | 672 lm        | 0 – 20°    | C 0 – 180<br>25°    | C 90 – 270<br>75° |

| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |                   |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|-------------------|
| <b>8 663 015 008</b> | 3.8 kg | 1 x LED module 19 W<br>neutral white (4000 K) | 706 lm        | 0 – 20°    | C 0 – 180<br>25°    | C 90 – 270<br>75° |

| Part number      | Description                                                                                                                 |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>... 1 ...</b> | <b>Luminaire with slip resistant glass</b> (R13 according to DIN EN 51130)<br>The light distribution becomes more diffuse.  |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                                                                                            |
| <b>... 2 ...</b> | <b>Dimmable luminaire (1-10 V)</b>                                                                                          |
| <b>8 664 ...</b> | <b>Luminaire for installation flush with surrounding surface</b><br>(in combination with installation sleeve 126 0 338 060) |

The adjustable  
glare shield reduces  
spill light and  
light pollution.



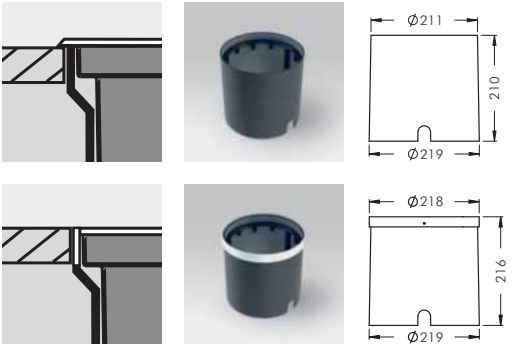
LED (see page 247)

luminaires available in 2700 K or other colour temperatures upon request

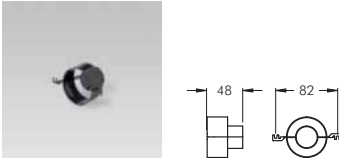


Accessories see page 208

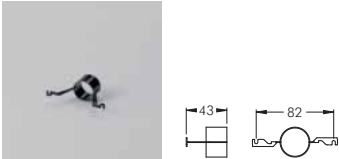
| Accessories Uplight 220 |                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Part number             | Description                                                                                                                         |
| <b>126 0 338 000</b>    | <b>Polypropylene installation sleeve,</b> for luminaires with overlapping trim ring (for luminaires <b>8 663 . . . . .</b> )        |
|                         |                                                                                                                                     |
| Part number             | Description                                                                                                                         |
| <b>126 0 338 060</b>    | <b>Polypropylene installation sleeve,</b> for luminaires with trim ring for flush mounting (for luminaires <b>8 664 . . . . .</b> ) |



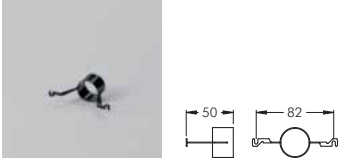
| Uplight 220, adjustable optics, narrow beam |                                                  |
|---------------------------------------------|--------------------------------------------------|
| Part number                                 | Description                                      |
| <b>126 0 339 940</b>                        | <b>Radial louvre,</b><br>to reduce lateral glare |



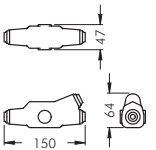
| Uplight 220, adjustable optics, medium wide beam |                                                  |
|--------------------------------------------------|--------------------------------------------------|
| Part number                                      | Description                                      |
| <b>126 0 378 940</b>                             | <b>Radial louvre,</b><br>to reduce lateral glare |



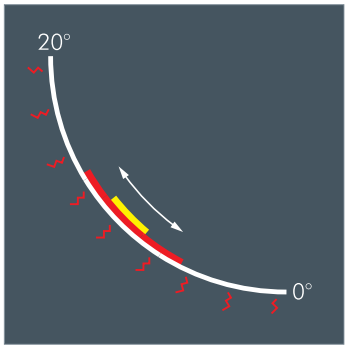
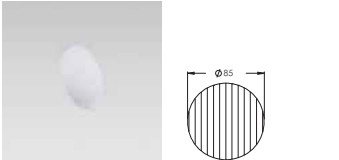
| Uplight 220, adjustable optics, wide beam |                                                  |
|-------------------------------------------|--------------------------------------------------|
| Part number                               | Description                                      |
| <b>126 0 379 940</b>                      | <b>Radial louvre,</b><br>to reduce lateral glare |



| Part number          | Description                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>226 0 161 000</b> | <b>Connection box,</b><br>for single connection to luminaire or for through wiring with buried cable.<br>For luminaires supplied with cable and installation sleeve (recess box). |



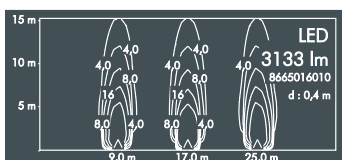
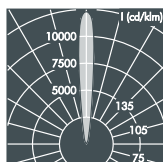
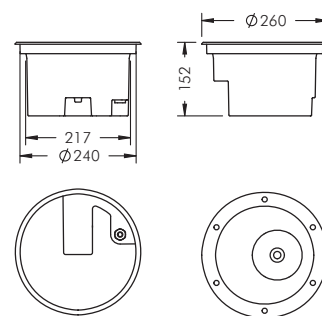
| Uplight 220, adjustable optics, narrow beam |                                                                                                      | Half beam angle γ |          |
|---------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------|----------|
| Part number                                 | Description                                                                                          | C 0-180           | C 90-270 |
| <b>126 0 340 000</b>                        | <b>Ribbed glass spreader lense,</b><br>for linear beam control, continuously adjustable through 360° | 10°               | 41°      |



Luminaire with  
integral Heatslide mechanism

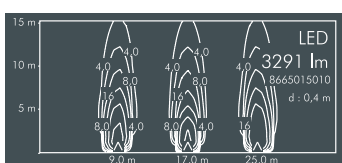
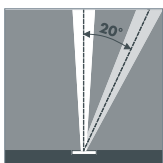
## Uplight 260 adjustable optics

With high performance LED module (Zhaga),  
integral temperature monitoring device,  
CRI: > 85, Colour tolerance: 2 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP68 (1.5 m) , IK10  
corrosion-resistant cast aluminium housing AlSi12,  
double powder coated,  
highly efficient aluminium reflector,  
tilt range 0-20°, lockable,  
with Heatslide mechanism for optimal heat dissipation,  
all exterior steel parts are stainless steel,  
tempered safety glass flush with frame,  
for loads up to max. 4500 kg (according to  
DIN EN 60598-2-13), silicon gasket,  
V4A stainless steel trim ring and 6 screws,  
M20 cable gland with 0.8 m cable H07RN-F3G1,  
integral (AC) driver

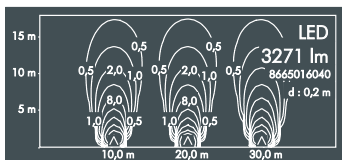
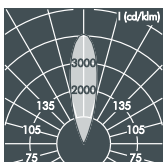


### Uplight 260, adjustable optics, narrow beam

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|
| <b>8 665 016 018</b> | 5.0 kg | 1 x LED module 36 W<br>warm white (3000 K) | 3133 lm       | 0 – 20°    | 11°                 |

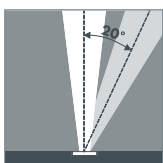


| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|
| <b>8 665 015 018</b> | 5.0 kg | 1 x LED module 36 W<br>neutral white (4000 K) | 3291 lm       | 0 – 20°    | 11°                 |

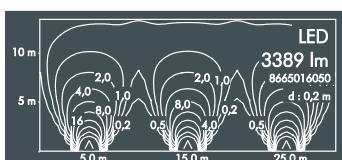
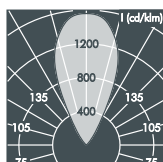


### Uplight 260, adjustable optics, medium wide beam

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|
| <b>8 665 016 048</b> | 5.0 kg | 1 x LED module 36 W<br>warm white (3000 K) | 3271 lm       | 0 – 20°    | 27°                 |

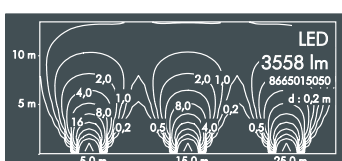
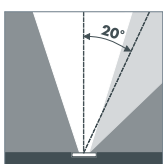


| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|
| <b>8 665 015 048</b> | 5.0 kg | 1 x LED module 36 W<br>neutral white (4000 K) | 3435 lm       | 0 – 20°    | 27°                 |



### Uplight 260, adjustable optics, wide beam

| Part number          | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|--------------------------------------------|---------------|------------|---------------------|
| <b>8 665 016 058</b> | 5.0 kg | 1 x LED module 36 W<br>warm white (3000 K) | 3389 lm       | 0 – 20°    | 49°                 |



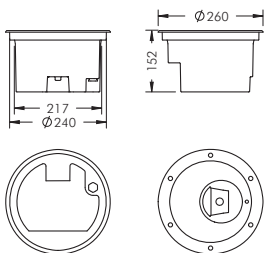
| Part number          | Weight | Light source                                  | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|----------------------|--------|-----------------------------------------------|---------------|------------|---------------------|
| <b>8 665 015 058</b> | 5.0 kg | 1 x LED module 36 W<br>neutral white (4000 K) | 3558 lm       | 0 – 20°    | 49°                 |

| Part number      | Description                                                                                                                 |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>... 1 ...</b> | <b>Luminaire with slip resistant glass</b> (R13 according to DIN EN 51130)<br>The light distribution becomes more diffuse.  |
| <b>... 1 ..</b>  | <b>Dimmable luminaire (DALI)</b>                                                                                            |
| <b>... 2 ..</b>  | <b>Dimmable luminaire (1-10 V)</b>                                                                                          |
| <b>8 666 ...</b> | <b>Luminaire for installation flush with surrounding surface</b><br>(in combination with installation sleeve 126 0 341 060) |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

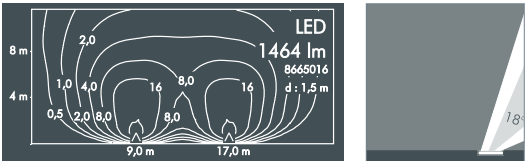
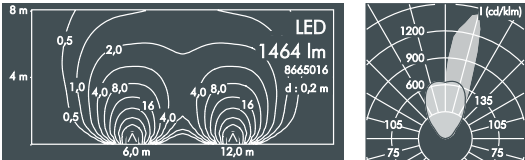




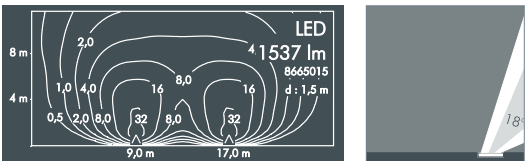
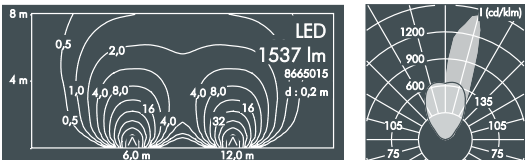
**Uplight 260 adjustable optics, wall washer**  
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, colour tolerance: 2 SDCM service life: L90/B10 > 50 000 h Protection class I, IP68 (1.5 m) , IK10 corrosion-resistant cast aluminium housing AlSi12, double polyester powder coated, highly efficient aluminium reflector, wall washer lens with optical structure, adjustable glare shield, tilt range 0-18°, lockable, with Heatslide mechanism for optimal heat dissipation, all exterior steel parts are stainless steel, tempered safety glass flush with frame, for loads up to max. 4500 kg (according to IEC/EN 60598-2-13), silicon gasket, V4A stainless steel trim ring and closure with 6 screws (V4A), M20 cable gland, with 0.8 m cable H07RN-F3G1, integral driver (AC)

**Uplight 260, adjustable optics, wall washer**

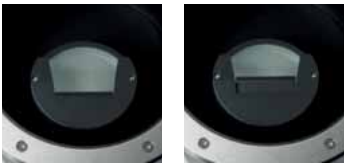
| Part number   | Weight | Light source                            | Luminous flux | Tilt range | Beam angle γ (FWHM) |            |
|---------------|--------|-----------------------------------------|---------------|------------|---------------------|------------|
| 8 665 016 008 | 5.7 kg | 1 x LED module 36 W warm white (3000 K) | 1464 lm       | 0 – 18°    | C 0 – 180           | C 90 – 270 |
|               |        |                                         |               |            | 20°                 | 78°        |



| Part number   | Weight | Light source                               | Luminous flux | Tilt range | Beam angle γ (FWHM) |            |
|---------------|--------|--------------------------------------------|---------------|------------|---------------------|------------|
| 8 665 015 008 | 5.7 kg | 1 x LED module 36 W neutral white (4000 K) | 1537 lm       | 0 – 18°    | C 0 – 180           | C 90 – 270 |
|               |        |                                            |               |            | 20°                 | 78°        |



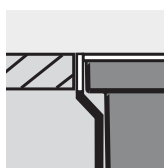
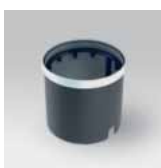
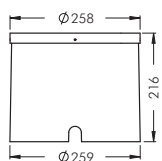
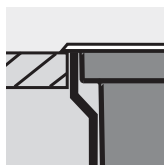
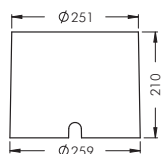
| Part number       | Description                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| . . . . 1 . . . . | <b>Luminaire with slip resistant glass</b> (R13 according to DIN EN 51130)<br>The light distribution becomes more diffuse.  |
| . . . . . 1 . .   | <b>Dimmable luminaire (DALI)</b>                                                                                            |
| . . . . . 2 . .   | <b>Dimmable luminaire (1-10 V)</b>                                                                                          |
| 8 666 . . . . .   | <b>Luminaire for installation flush with surrounding surface</b><br>(in combination with installation sleeve 126 0 341 060) |



The adjustable glare shield reduces spill light and light pollution.



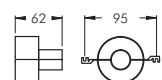




#### Accessories Uplight 260

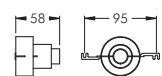
| Part number          | Description                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>126 0 341 000</b> | <b>Polypropylene installation sleeve</b> , for luminaires with overlapping trim ring (for luminaires <b>8 665</b> . . . . .) |

| Part number          | Description                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>126 0 341 060</b> | <b>Polypropylene installation sleeve</b> , for luminaires with trim ring for flush mounting (for luminaires <b>8 666</b> . . . . .) |



#### Uplight 260, adjustable optics, narrow beam

| Part number          | Description                                    |
|----------------------|------------------------------------------------|
| <b>126 0 342 940</b> | <b>Radial louvre</b> , to reduce lateral glare |



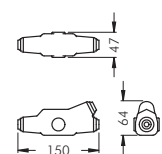
#### Uplight 260, adjustable optics, medium wide beam

| Part number          | Description                                    |
|----------------------|------------------------------------------------|
| <b>126 0 380 940</b> | <b>Radial louvre</b> , to reduce lateral glare |

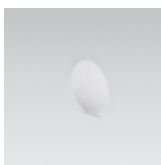


#### Uplight 260, adjustable optics, wide beam

| Part number          | Description                                    |
|----------------------|------------------------------------------------|
| <b>126 0 381 940</b> | <b>Radial louvre</b> , to reduce lateral glare |

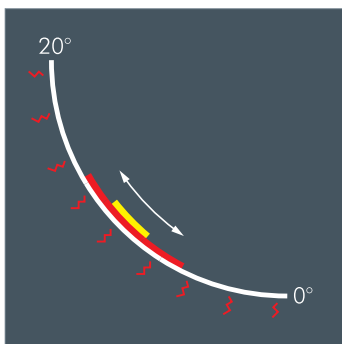


| Part number          | Description                                                                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>226 0 161 000</b> | <b>Connection box</b> , for single connection to luminaire or for through wiring with buried cable. For luminaires supplied with cable and installation sleeve (recess box). |

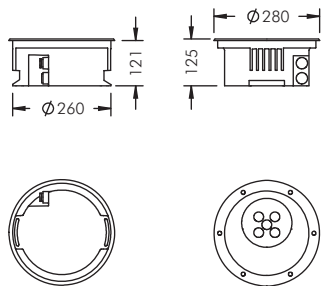


#### Uplight 260, adjustable optics, narrow beam

| Part number          | Description                                                                                        | Half beam angle γ |          |
|----------------------|----------------------------------------------------------------------------------------------------|-------------------|----------|
|                      |                                                                                                    | C 0-180           | C 90-270 |
| <b>126 0 343 000</b> | <b>Ribbed glass spreader lense</b> , for linear beam control, continuously adjustable through 360° | 12°               | 60°      |



Luminaire with integral Heatslide mechanism

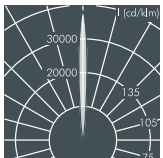
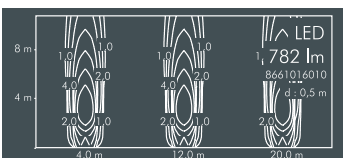


Uplight 280 adjustable optics

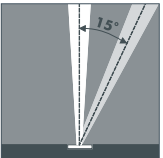
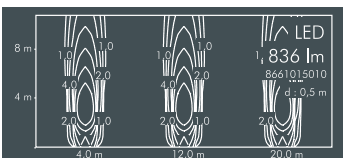
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 , IK10 corrosion-resistant cast aluminium housing AlSi12, double powder coated, precise PMMA optics, tilt range 0-15°, all exterior steel parts are stainless steel, tempered safety glass flush with frame, for loads up to max. 5000 kg (according to DIN EN 60598-2-13), silicon gasket, V4A stainless steel trim ring and 6 screws, M20 cable gland with 0.8 m cable H07RN-F3G1.5, facility for through wiring, integral driver

Uplight 280, adjustable optics, narrow beam

| Part number   | Weight | Light source                                | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|---------------|--------|---------------------------------------------|---------------|------------|---------------------|
| 8 661 016 018 | 5.6 kg | 5 x LED 2.5 W (13 W)<br>warm white (3000 K) | 782 lm        | 0 – 15°    | 7°                  |

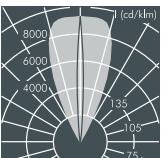
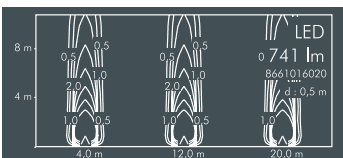


| Part number   | Weight | Light source                                   | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|---------------|--------|------------------------------------------------|---------------|------------|---------------------|
| 8 661 015 018 | 5.6 kg | 5 x LED 2.5 W (13 W)<br>neutral white (4000 K) | 836 lm        | 0 – 15°    | 7°                  |



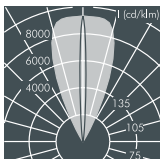
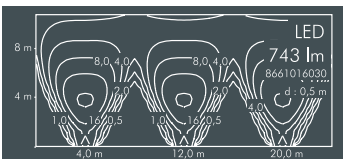
Uplight 280, adjustable optics, linear beam spread, vertical

| Part number   | Weight | Light source                                   | Luminous flux | Tilt range | Beam angle γ (FWHM)     |
|---------------|--------|------------------------------------------------|---------------|------------|-------------------------|
| 8 661 016 028 | 5.6 kg | 5 x LED 2.5 W (13 W)<br>warm white (3000 K)    | 741 lm        | 0 – 15°    | C 0 – 180<br>C 90 – 270 |
| 8 661 015 028 | 5.6 kg | 5 x LED 2.5 W (13 W)<br>neutral white (4000 K) | 793 lm        | 0 – 15°    | C 0 – 180<br>C 0 – 180  |



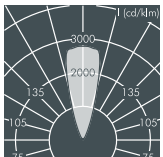
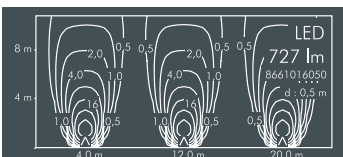
Uplight 280, adjustable optics, linear beam spread, horizontal

| Part number   | Weight | Light source                                   | Luminous flux | Tilt range | Beam angle γ (FWHM)     |
|---------------|--------|------------------------------------------------|---------------|------------|-------------------------|
| 8 661 016 038 | 5.6 kg | 5 x LED 2.5 W (13 W)<br>warm white (3000 K)    | 743 lm        | 0 – 15°    | C 0 – 180<br>C 90 – 270 |
| 8 661 015 038 | 5.6 kg | 5 x LED 2.5 W (13 W)<br>neutral white (4000 K) | 796 lm        | 0 – 15°    | C 0 – 180<br>C 0 – 180  |

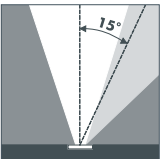
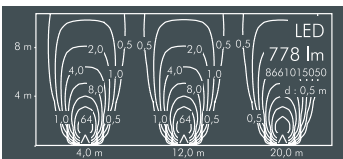


Uplight 280, adjustable optics, wide beam

| Part number   | Weight | Light source                                | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|---------------|--------|---------------------------------------------|---------------|------------|---------------------|
| 8 661 016 058 | 5.6 kg | 5 x LED 2.5 W (13 W)<br>warm white (3000 K) | 727 lm        | 0 – 15°    | 33°                 |



| Part number   | Weight | Light source                                   | Luminous flux | Tilt range | Beam angle γ (FWHM) |
|---------------|--------|------------------------------------------------|---------------|------------|---------------------|
| 8 661 015 058 | 5.6 kg | 5 x LED 2.5 W (13 W)<br>neutral white (4000 K) | 778 lm        | 0 – 15°    | 33°                 |



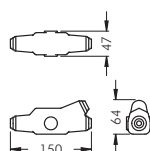
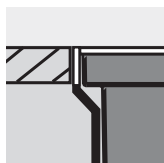
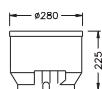
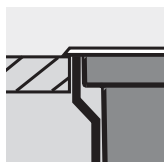
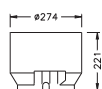
| Part number | Description                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------|
| ... 1 ...   | Luminaire with slip resistant glass (R13 according to DIN EN 51130)<br>The light distribution becomes more diffuse.  |
| ... 1 ..    | Dimmable luminaire (DALI)                                                                                            |
| ... 2 ..    | Dimmable luminaire (1-10 V)                                                                                          |
| 8 662 ...   | Luminaire for installation flush with surrounding surface<br>(in combination with installation sleeve 126 0 160 060) |

Accessories see page 213

LED (see page 247)

luminaires available in 2700 K and other colour temperatures upon request





### Accessories Uplight 280

| Part number          | Description                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>126 0 160 000</b> | <b>Polypropylene installation sleeve,</b> for luminaires with overlapping trim ring (for luminaires <b>8 661 . . . . .</b> ) |

| Part number          | Description                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>126 0 160 060</b> | <b>Polypropylene installation sleeve,</b> for luminaires with trim ring for flush mounting (for luminaires <b>8 662 . . . . .</b> ) |

| Part number          | Description                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>226 0 161 000</b> | <b>Connection box,</b><br>for single connection to luminaire or for through wiring with buried cable.<br>For luminaires supplied with cable and installation sleeve (recess box). |



The Upline 600 series are linear in-ground uplighters which are characterised by their versatility and compact dimensions for discrete installation. The products are available with wall washer or asymmetrical distribution optics. This allows for optimal results, depending on the distance between the façade and luminaire. Thanks to their very wide beam distribution, the wall washer optics create very little shadow between luminaires. The range is completed with a diffuse wide beam version as an orientation marker.

DSNY 125, New York/USA

Lighting design: Domingo Gonzalez Associates, New York





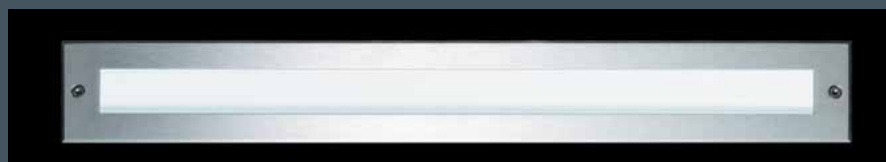
Wall washer optics for  
façade illumination from  
a short distance.

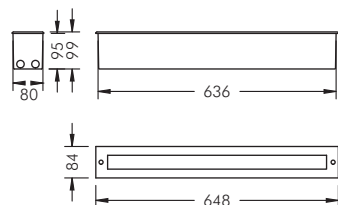


Asymmetrical optics for  
façade illumination from  
a greater distance.



Orientation luminaire with  
diffuse light distribution.

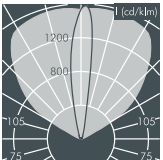
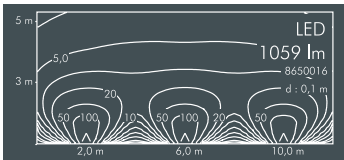




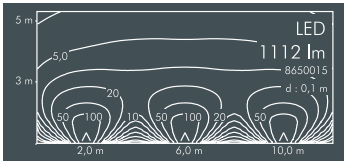
**Upline 600**  
With high performance LEDs,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK10  
corrosion-resistant die cast aluminium housing AlSi12,  
double powder coated,  
precise PMMA optics,  
tempered safety glass flush with frame,  
for loads up to max. 2000 kg (according to  
DIN EN 60598-2-13), silicon gasket,  
V4A stainless steel cover frame and 2 screws,  
M16 stainless steel cable gland,  
1 m cable H07RN-F3G1,  
with polypropylene recess housing,  
integral potted driver (AC/DC)

**Upline 600, wall washer**

| Part number          | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|--------|---------------------|---------------|----------------------------|------------|
| <b>8 650 016 008</b> | 3,6 kg | 6 x LED 2,5 W       | 1059 lm       | C 0 – 180                  | C 90 – 270 |
|                      |        | (15 W)              |               | 12°                        | 108°       |
|                      |        | warm white (3000 K) |               |                            |            |

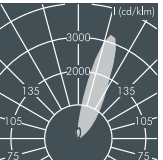
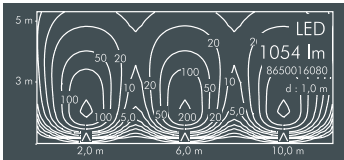


| Part number          | Weight | Light source           | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|--------|------------------------|---------------|----------------------------|------------|
| <b>8 650 015 008</b> | 3,6 kg | 6 x LED 2,5 W          | 1112 lm       | C 0 – 180                  | C 90 – 270 |
|                      |        | (15 W)                 |               | 12°                        | 108°       |
|                      |        | neutral white (4000 K) |               |                            |            |

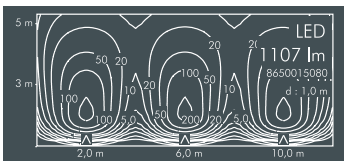


**Upline 600, asymmetrical beam**

| Part number          | Weight | Light source        | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|--------|---------------------|---------------|----------------------------|
| <b>8 650 016 088</b> | 3,6 kg | 6 x LED 2,5 W       | 1054 lm       | 36°                        |
|                      |        | (15 W)              |               |                            |
|                      |        | warm white (3000 K) |               |                            |



| Part number          | Weight | Light source           | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|--------|------------------------|---------------|----------------------------|
| <b>8 650 015 088</b> | 3,6 kg | 6 x LED 2,5 W          | 1107 lm       | 36°                        |
|                      |        | (15 W)                 |               |                            |
|                      |        | neutral white (4000 K) |               |                            |

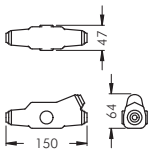


| Part number          | Description                        |
|----------------------|------------------------------------|
| <b>. . . . . 1..</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>. . . . . 2..</b> | <b>Dimmable luminaire (1-10 V)</b> |

The plastic recess housing can be supplied separately before the luminaire installation.

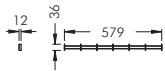
**Accessories Upline 600, wall washer and asymmetrical beam**

| Part number          | Description                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>226 0 161 000</b> | <b>Cast-resin connection box</b> , for single connection to luminaire or for through wiring with buried cable. For luminaires supplied with cable and installation sleeve (recess box). |



**Accessories Upline 600, wall washer**

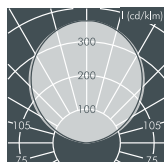
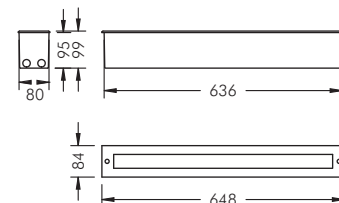
| Part number          | Description                                     |
|----------------------|-------------------------------------------------|
| <b>126 0 350 940</b> | <b>Louvre</b> , stainless steel, to avoid glare |



**LED** (see page 247)  
Luminaires available in 2700 K and other colour temperatures upon request  


## Upline 600 orientation luminaire

With linear LED module (Zhaga),  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP67 , IK10  
corrosion-resistant die cast aluminium housing AlSi12,  
double powder coated,  
tempered safety glass flush with frame,  
for loads up to max. 2000 kg (according to  
DIN EN 60598-2-13), silicon gasket,  
V4A stainless steel cover frame and 2 screws,  
M16 stainless steel cable gland,  
1 m cable H07RN-F3G1,  
with polypropylene recess housing,  
integral potted driver (AC/DC)



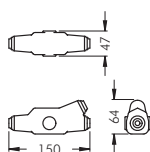
### Upline 600 orientation luminaire

| Part number          | Weight | Light source                                                  | Luminous flux | Beam angle γ (FWHM) |                    |
|----------------------|--------|---------------------------------------------------------------|---------------|---------------------|--------------------|
| <b>8 650 016 098</b> | 3.6 kg | 2 x LED linear modules 9.5 W<br>(19 W)<br>warm white (3000 K) | 566 lm        | C 0 – 180<br>108°   | C 90 – 270<br>112° |

| Part number          | Weight | Light source                                                     | Luminous flux | Beam angle γ (FWHM) |                    |
|----------------------|--------|------------------------------------------------------------------|---------------|---------------------|--------------------|
| <b>8 650 015 098</b> | 3.6 kg | 2 x LED linear modules 9.5 W<br>(19 W)<br>neutral white (4000 K) | 584 lm        | C 0 – 180<br>108°   | C 90 – 270<br>112° |

| Part number            | Description                        |
|------------------------|------------------------------------|
| <b>. . . . . 1 . .</b> | <b>Dimmable luminaire (DALI)</b>   |
| <b>. . . . . 2 . .</b> | <b>Dimmable luminaire (1-10 V)</b> |

The plastic recess housing can be supplied separately before the luminaire installation.



### Accessories Upline 600 orientation luminaire

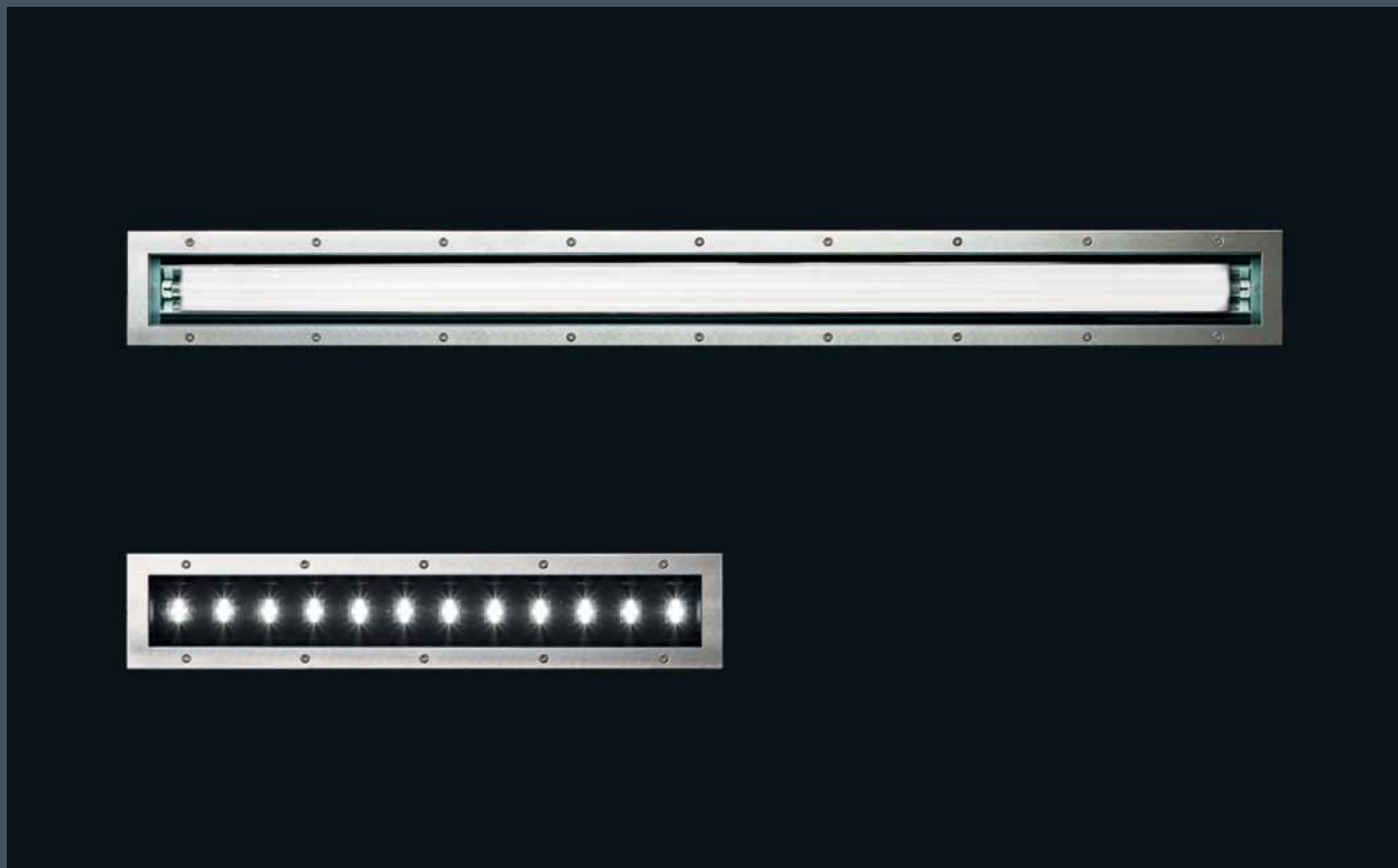
| Part number          | Description                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>226 0 161 000</b> | <b>Cast-resin connection box</b> , for single connection to luminaire or for through wiring with buried cable. For luminaires supplied with cable and installation sleeve (recess box). |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





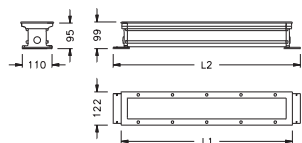


The linear ground-recessed luminaires are available in 4 lengths with LEDs and for T16 lamps, with symmetrical and asymmetrical reflectors. The robust design and execution ensure long-lasting service even under harsh conditions.



Dockland Hamburg/Germany  
Architecture: BRT Architekten  
Lighting design: Christian Feck



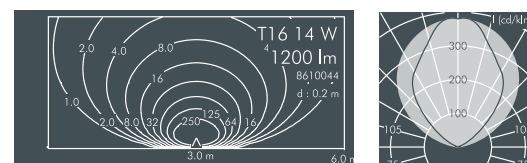


## Upline linear wall washer

For T16 fluorescent lamps or with high performance LEDs, integral temperature monitoring device, protection class I, IP67  $\blacklozenge \blacktriangle \blacktriangledown$ , IK09 housing made of extruded aluminium profile and corrosion-resistant die cast aluminium housing AlSi12, axially symmetrical high gloss aluminium reflector, tempered safety glass flush with frame, for loads up to max. 5000 kg (according to DIN EN 60598-2-13), silicon gasket, V4A stainless steel cover frame and screws, M20 stainless steel cable gland, 1 m cable H07RN-F3G1, facility for through wiring, sealed integral electronic ballast or LED driver, supplied without lamp

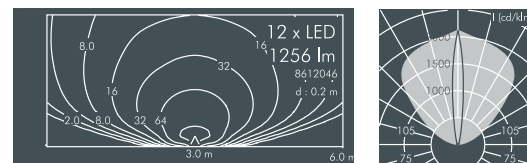
### Upline linear, wide beam, L1 = 635 mm, L2 = 695 mm

| Part number          | Weight | Lamp        | Lampholder | Beam angle $\gamma$ (FWHM) |            |
|----------------------|--------|-------------|------------|----------------------------|------------|
| <b>8 610 044 008</b> | 7.1 kg | T16 14/24 W | G5         | C 0 – 180                  | C 90 – 270 |
|                      |        |             |            | 82°                        | 109°       |



### Upline linear, wall washer, L1 = 635 mm, L2 = 695 mm

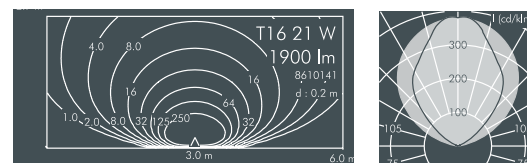
| Part number*         | Weight | Light source          | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|--------|-----------------------|---------------|----------------------------|------------|
| <b>8 612 046 008</b> | 8.1 kg | 12 x LED 2.2 W (26 W) | 1256 lm       | C 0 – 180                  | C 90 – 270 |
|                      |        | warm white (3000 K)   |               | 10°                        | 99°        |



\*These luminaires are also available with neutral white LEDs (4000 K) upon request.

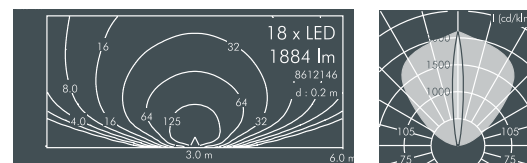
### Upline linear, wide beam, L1 = 935 mm, L2 = 995 mm

| Part number          | Weight | Lamp        | Lampholder | Beam angle $\gamma$ (FWHM) |            |
|----------------------|--------|-------------|------------|----------------------------|------------|
| <b>8 610 141 008</b> | 9.4 kg | T16 21/39 W | G5         | C 0 – 180                  | C 90 – 270 |
|                      |        |             |            | 82°                        | 109°       |



### Upline linear, wall washer, L1 = 935 mm, L2 = 995 mm

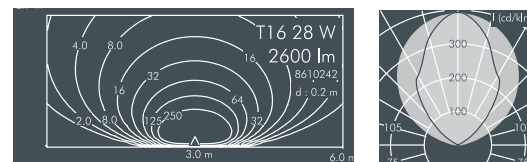
| Part number*         | Weight  | Light source          | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|---------|-----------------------|---------------|----------------------------|------------|
| <b>8 612 146 008</b> | 10.4 kg | 18 x LED 2.2 W (40 W) | 1884 lm       | C 0 – 180                  | C 90 – 270 |
|                      |         | warm white (3000 K)   |               | 10°                        | 99°        |



\*These luminaires are also available with neutral white LEDs (4000 K) upon request.

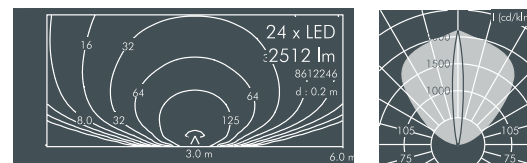
### Upline linear, wide beam, L1 = 1235 mm, L2 = 1295 mm

| Part number          | Weight  | Lamp        | Lampholder | Beam angle $\gamma$ (FWHM) |            |
|----------------------|---------|-------------|------------|----------------------------|------------|
| <b>8 610 242 008</b> | 11.7 kg | T16 28/54 W | G5         | C 0 – 180                  | C 90 – 270 |
|                      |         |             |            | 82°                        | 109°       |



### Upline linear, wall washer, L1 = 1235 mm, L2 = 1295 mm

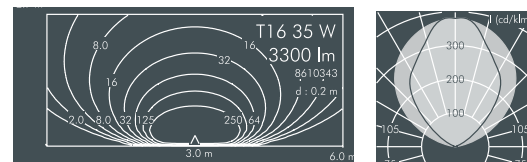
| Part number*         | Weight  | Light source          | Luminous flux | Beam angle $\gamma$ (FWHM) |            |
|----------------------|---------|-----------------------|---------------|----------------------------|------------|
| <b>8 612 246 008</b> | 12.7 kg | 24 x LED 2.2 W (53 W) | 2512 lm       | C 0 – 180                  | C 90 – 270 |
|                      |         | warm white (3000 K)   |               | 10°                        | 99°        |



\*These luminaires are also available with neutral white LEDs (4000 K) upon request.

### Upline linear, wide beam, L1 = 1535 mm, L2 = 1595 mm

| Part number          | Weight  | Lamp           | Lampholder | Beam angle $\gamma$ (FWHM) |            |
|----------------------|---------|----------------|------------|----------------------------|------------|
| <b>8 610 343 008</b> | 14.0 kg | T16 35/49/80 W | G5         | C 0 – 180                  | C 90 – 270 |
|                      |         |                |            | 82°                        | 109°       |



## Lamps

T16

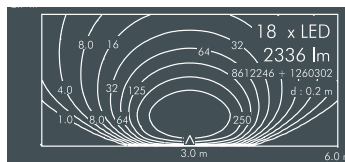
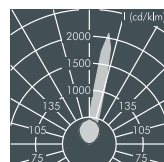
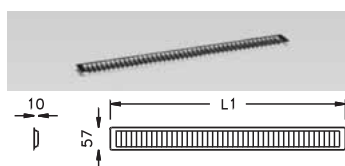
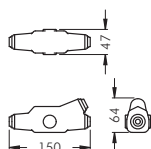
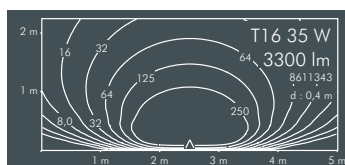
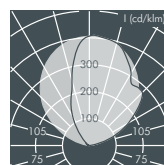
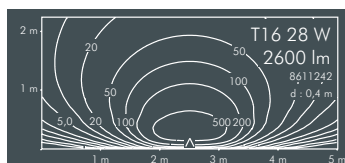
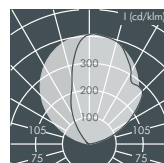
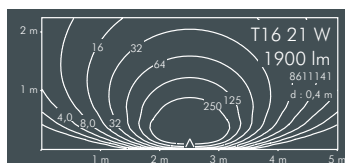
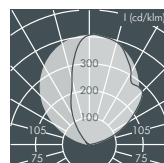
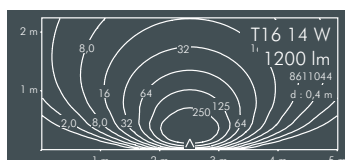
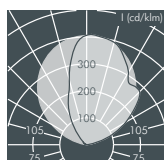
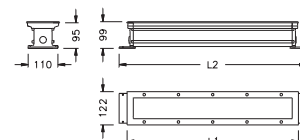


## LED (see page 247)



## Upline linear asymmetrical wide beam

For T16 fluorescent lamps  
protection class I, IP67 , IK09  
housing made of extruded aluminium profile and  
corrosion-resistant die cast aluminium housing AlSi12,  
asymmetrical high gloss aluminium reflector,  
tempered safety glass flush with frame,  
for loads up to max. 5000 kg (according to  
DIN EN 60598-2-13), silicon gasket,  
V4A stainless steel cover frame and screws,  
M20 stainless steel cable gland,  
1 m cable H07RN-F3G1,  
facility for through wiring,  
sealed integral electronic ballast,  
supplied without lamp



Lamps  
T16

LED (see page 247)



### Upline linear, asymmetrical wide beam, L1 = 635 mm, L2 = 695 mm

| Part number   | Weight | Lamp        | Lampholder | Beam angle γ (FWHM) |            |
|---------------|--------|-------------|------------|---------------------|------------|
| 8 611 044 008 | 7.1 kg | T16 14/24 W | G5         | C 0 – 180           | C 90 – 270 |
|               |        |             |            | 74°                 | 105°       |
|               |        |             |            |                     |            |

### Upline linear, asymmetrical wide beam, L1 = 935 mm, L2 = 995 mm

| Part number   | Weight | Lamp        | Lampholder | Beam angle γ (FWHM) |            |
|---------------|--------|-------------|------------|---------------------|------------|
| 8 611 141 008 | 9.4 kg | T16 21/39 W | G5         | C 0 – 180           | C 90 – 270 |
|               |        |             |            | 74°                 | 105°       |
|               |        |             |            |                     |            |

### Upline linear, asymmetrical wide beam, L1 = 1235 mm, L2 = 1295 mm

| Part number   | Weight  | Lamp        | Lampholder | Beam angle γ (FWHM) |            |
|---------------|---------|-------------|------------|---------------------|------------|
| 8 611 242 008 | 11.7 kg | T16 28/54 W | G5         | C 0 – 180           | C 90 – 270 |
|               |         |             |            | 74°                 | 105°       |
|               |         |             |            |                     |            |

### Upline linear, asymmetrical wide beam, L1 = 1535 mm, L2 = 1595 mm

| Part number   | Weight  | Lamp           | Lampholder | Beam angle γ (FWHM) |            |
|---------------|---------|----------------|------------|---------------------|------------|
| 8 611 343 008 | 14.0 kg | T16 35/49/80 W | G5         | C 0 – 180           | C 90 – 270 |
|               |         |                |            | 74°                 | 105°       |
|               |         |                |            |                     |            |

### Accessories Upline linear

| Part number   | Description                                                                                                     |
|---------------|-----------------------------------------------------------------------------------------------------------------|
| 226 0 161 000 | <b>Cast-resin connection box,</b><br>for single connection to luminaire or for through wiring with buried cable |

### Accessories Upline linear T16

| Part number   | Length of the corresp. luminaire | L1      | Description                                                 |
|---------------|----------------------------------|---------|-------------------------------------------------------------|
| 126 0 129 940 | 635 mm                           | 600 mm  | <b>Louvre ,</b><br>aluminium ,<br>to avoid glare lengthwise |
| 126 0 130 940 | 935 mm                           | 900 mm  |                                                             |
| 126 0 131 940 | 1235 mm                          | 1200 mm |                                                             |
| 126 0 132 940 | 1535 mm                          | 1500 mm |                                                             |

### Accessories Upline linear LED

| Part number   | Light source   | L1      | Description                                                     |
|---------------|----------------|---------|-----------------------------------------------------------------|
| 126 0 300 000 | 12 x LED 2.5 W | 635 mm  | <b>Linear prism</b> for asymmetrical beam,<br>internally fitted |
| 126 0 301 000 | 18 x LED 2.5 W | 935 mm  |                                                                 |
| 126 0 302 000 | 24 x LED 2.5 W | 1235 mm |                                                                 |



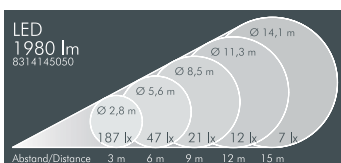
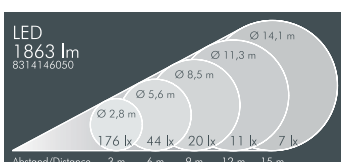
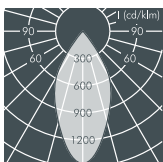
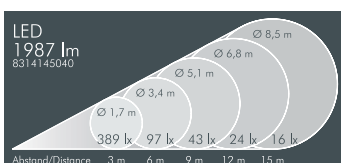
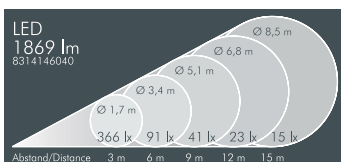
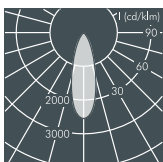
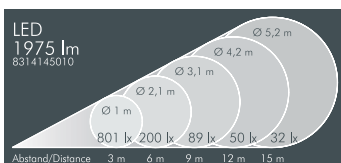
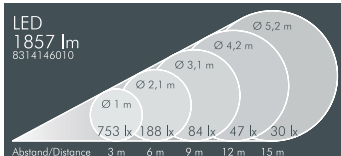
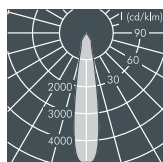
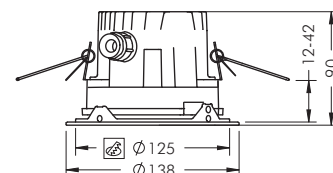
The range of ceiling mount recessed downlights is characterised by extremely compact dimensions and high efficiency of the LED module and reflector. The unobtrusive luminaires create high lux levels in entrance areas and under canopies. A very small recess depth is achieved by the shallow luminaire housing with a separate control gear unit. The trim ring with bayonet lock needs no screws and blends in well into many ceiling constructions. All components have a high IP rating.



Central bus station, Hildesheim/Germany  
Lighting design: Studio DL, Hildesheim

## Ceiling-recessed downlight without control gear

With high performance LED module,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class III , IP65 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
rotationally symmetrical aluminium reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
trim ring with bayonet lock, luminaire fixed using  
stainless steel spring loaded clamps,  
clamping range in hollow ceilings 12-42 mm,  
aperture for installation Ø 125 mm,  
luminaire with 1 m cable, without driver,  
remote driver required



### Recessed downlight, narrow beam

| Part number          | Trim ring colour | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|------------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 314 146 018</b> | black            | 1.0 kg | 1 x LED module 19 W<br>warm white (3000 K) | 1857 lm       | 20°                 |
| <b>8 314 166 018</b> | white            |        |                                            |               |                     |
| <b>8 314 156 018</b> | silver grey      |        |                                            |               |                     |

| Part number          | Trim ring colour | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|------------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 314 145 018</b> | black            | 1.0 kg | 1 x LED module 19 W<br>neutral white (4000 K) | 1975 lm       | 20°                 |
| <b>8 314 165 018</b> | white            |        |                                               |               |                     |
| <b>8 314 155 018</b> | silver grey      |        |                                               |               |                     |

### Recessed downlight, medium wide beam

| Part number          | Trim ring colour | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|------------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 314 146 048</b> | black            | 1.0 kg | 1 x LED module 19 W<br>warm white (3000 K) | 1869 lm       | 32°                 |
| <b>8 314 166 048</b> | white            |        |                                            |               |                     |
| <b>8 314 156 048</b> | silver grey      |        |                                            |               |                     |

| Part number          | Trim ring colour | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|------------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 314 145 048</b> | black            | 1.0 kg | 1 x LED module 19 W<br>neutral white (4000 K) | 1987 lm       | 32°                 |
| <b>8 314 165 048</b> | white            |        |                                               |               |                     |
| <b>8 314 155 048</b> | silver grey      |        |                                               |               |                     |

### Recessed downlight, wide beam

| Part number          | Trim ring colour | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |
|----------------------|------------------|--------|--------------------------------------------|---------------|---------------------|
| <b>8 314 146 058</b> | black            | 1.0 kg | 1 x LED module 19 W<br>warm white (3000 K) | 1863 lm       | 50°                 |
| <b>8 314 166 058</b> | white            |        |                                            |               |                     |
| <b>8 314 156 058</b> | silver grey      |        |                                            |               |                     |

| Part number          | Trim ring colour | Weight | Light source                                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|------------------|--------|-----------------------------------------------|---------------|---------------------|
| <b>8 314 145 058</b> | black            | 1.0 kg | 1 x LED module 19 W<br>neutral white (4000 K) | 1980 lm       | 50°                 |
| <b>8 314 165 058</b> | white            |        |                                               |               |                     |
| <b>8 314 155 058</b> | silver grey      |        |                                               |               |                     |

### Accessories recessed downlights

| Part number          | Description                                                            | Weight |
|----------------------|------------------------------------------------------------------------|--------|
| <b>113 0 027 000</b> | <b>Power supply</b> with integral LED driver (AC/DC)                   | 0.6 kg |
| <b>113 0 027 100</b> | <b>Power supply</b> , dimmable (DALI) with integral LED driver (AC/DC) | 0.6 kg |

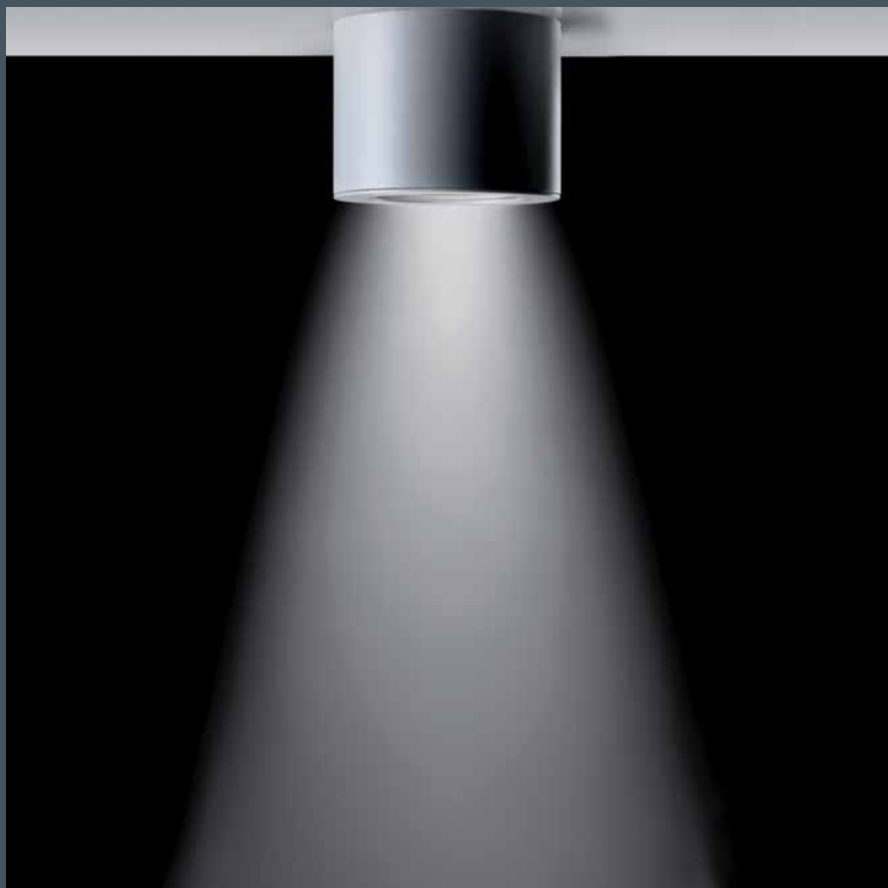
|                      |                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------|
| <b>123 0 430 000</b> | <b>Ribbed glass spreader lens</b> for linear beam control, continuously adjustable 360° |
| <b>123 0 440 940</b> | <b>Radial louvre</b> to reduce lateral glare                                            |
| <b>123 0 444 000</b> | <b>Honeycomb louvre</b> to avoid glare                                                  |

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request







The LED surface mounted downlights are very compact and shallow in design. The precise optics are available with different light distributions. This allows the products to be used for various different lighting applications and at different mounting heights. The housings are neutral in design and have no visible screws. They can be installed directly on ceilings and canopies.

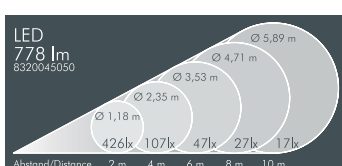
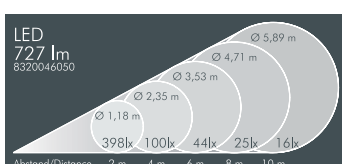
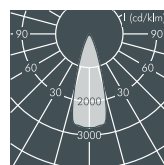
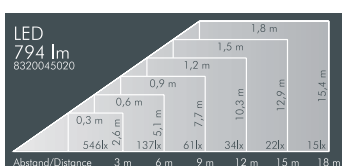
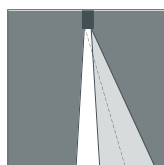
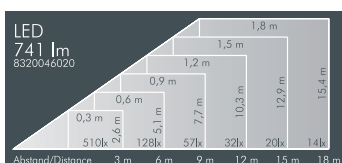
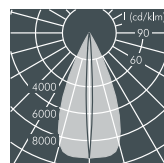
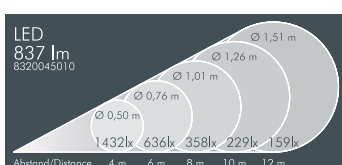
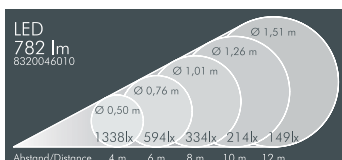
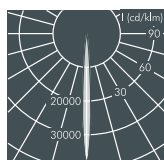
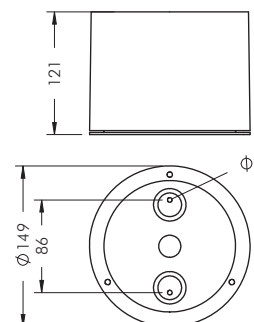
IP rated ceiling-mounted luminaires can be installed under-canopy to provide a sophisticated lighting effect for entrances.





## Surface-mounted downlight

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
Protection class I, IP65 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
housing secured with a grub screw,  
ceiling mount: 2 drilled holes Ø 4 mm,  
spacing 86 mm,  
cable entry Ø 4-11 mm recessed cable,  
integral transformer and on-board driver



### Surface-mounted downlight, narrow beam

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 320 046 018</b> | black       | 2.0 kg | 5 x LED 2.5 W<br>(13 W) | 782 lm        | 7°                  |
| <b>8 320 066 018</b> | white       |        |                         |               |                     |
| <b>8 320 056 018</b> | silver grey |        | warm white (3000 K)     |               |                     |

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 320 045 018</b> | black       | 2.0 kg | 5 x LED 2.5 W<br>(13 W) | 837 lm        | 7°                  |
| <b>8 320 065 018</b> | white       |        |                         |               |                     |
| <b>8 320 055 018</b> | silver grey |        | neutral white (4000 K)  |               |                     |

### Surface-mounted downlight, linear beam spread

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 320 046 028</b> | black       | 2.0 kg | 5 x LED 2.5 W<br>(13 W) | 741 lm        | C 0 – 180           |
| <b>8 320 066 028</b> | white       |        |                         |               | 6°                  |
| <b>8 320 056 028</b> | silver grey |        | warm white (3000 K)     |               | 46°                 |

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 320 045 028</b> | black       | 2.0 kg | 5 x LED 2.5 W<br>(13 W) | 794 lm        | C 0 – 180           |
| <b>8 320 065 028</b> | white       |        |                         |               | 6°                  |
| <b>8 320 055 028</b> | silver grey |        | neutral white (4000 K)  |               | 46°                 |

### Surface-mounted downlight, wide beam

| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 320 046 058</b> | black       | 2.0 kg | 5 x LED 2.5 W<br>(13 W) | 727 lm        | 33°                 |
| <b>8 320 066 058</b> | white       |        |                         |               |                     |
| <b>8 320 056 058</b> | silver grey |        | warm white (3000 K)     |               |                     |

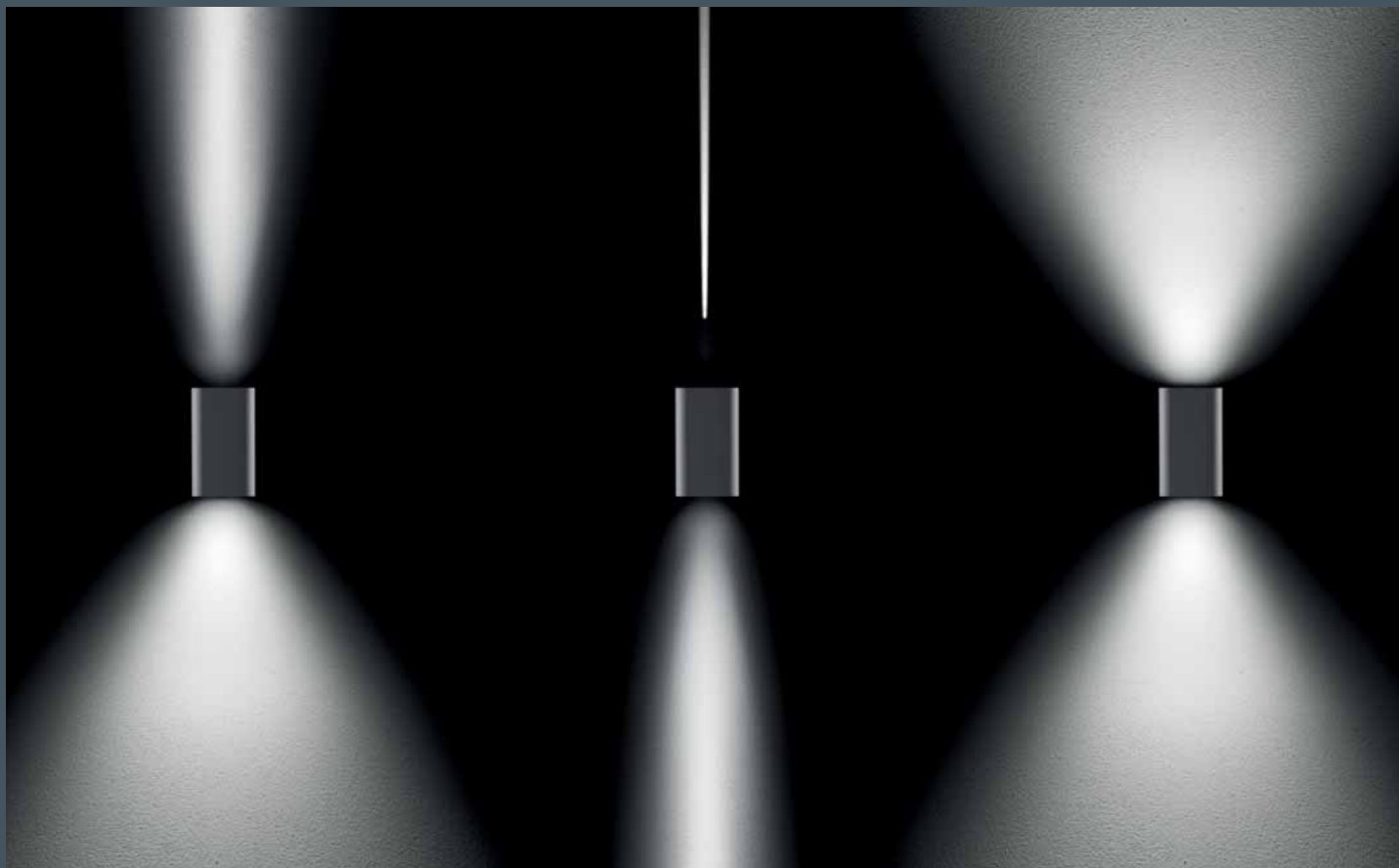
| Part number          | Colour      | Weight | Light source            | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------|---------------|---------------------|
| <b>8 320 045 058</b> | black       | 2.0 kg | 5 x LED 2.5 W<br>(13 W) | 778 lm        | 33°                 |
| <b>8 320 065 058</b> | white       |        |                         |               |                     |
| <b>8 320 055 058</b> | silver grey |        | neutral white (4000 K)  |               |                     |

| Part number    | Description                             |
|----------------|-----------------------------------------|
| <b>... 3..</b> | <b>Dimmable luminaire (DALI/1-10 V)</b> |

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





Highrise is a wall luminaire series with a two-sided light emission. There is a choice of different reflector options with narrow or wide beam light distributions. In addition, the version with a projector lens creates a very narrow, sharp-edged accent light. The combination of different optics for the up- and downward beam creates many different options for lighting design on façades.

Amplifier, Berlin  
Lighting design:  
Rosenspiess, Berlin  
Photo: Koy+Winkel



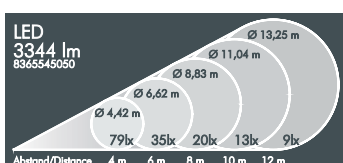
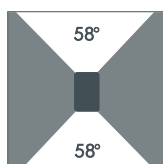
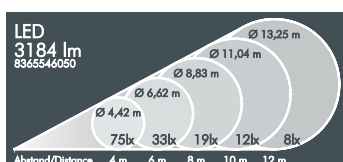
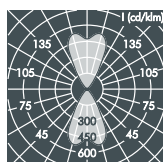
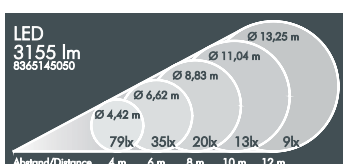
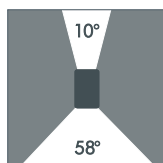
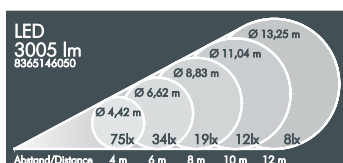
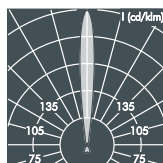
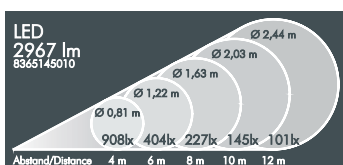
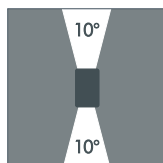
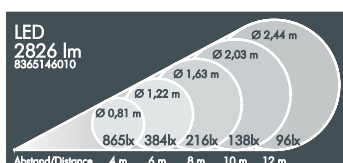
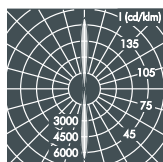
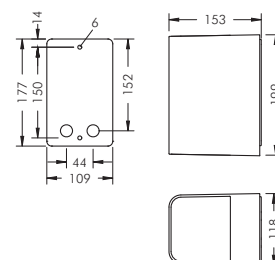
Versions with asymmetrical or lateral wide beam light distributions are available to illuminate floor areas.



## Highrise with two-sided light emission

With high performance LED modules (Zhaga),  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.03 m<sup>2</sup>

corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflectors,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
wall box with 2 stainless steel screws:  
2 drilled holes Ø 6 mm, spacing 150 mm,  
2 cable entries for recessed or  
surface mounted cable Ø 7 - 10 mm,  
integral driver (AC/DC)



### Highrise, narrow beam /narrow beam

| Part number *        | Colour      | Weight | Light source                                         | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------------------------------------|---------------|---------------------|------|
| <b>8 365 146 018</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W)<br>warm white (3000 K) | 2826 lm       | up                  | down |
| <b>8 365 166 018</b> | white       |        |                                                      |               | 10°                 | 10°  |
| <b>8 365 156 018</b> | silver grey |        |                                                      |               |                     |      |

| Part number *        | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------|
| <b>8 365 145 018</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W)<br>neutral white (4000 K) | 2967 lm       | up                  | down |
| <b>8 365 165 018</b> | white       |        |                                                         |               | 10°                 | 10°  |
| <b>8 365 155 018</b> | silver grey |        |                                                         |               |                     |      |

### Highrise, narrow beam /wide beam

| Part number *        | Colour      | Weight | Light source                                         | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------------------------------------|---------------|---------------------|------|
| <b>8 365 146 058</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W)<br>warm white (3000 K) | 3005 lm       | up                  | down |
| <b>8 365 166 058</b> | white       |        |                                                      |               | 10°                 | 58°  |
| <b>8 365 156 058</b> | silver grey |        |                                                      |               |                     |      |

| Part number *        | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------|
| <b>8 365 145 058</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W)<br>neutral white (4000 K) | 3155 lm       | up                  | down |
| <b>8 365 165 058</b> | white       |        |                                                         |               | 10°                 | 58°  |
| <b>8 365 155 058</b> | silver grey |        |                                                         |               |                     |      |

### Highrise, wide beam /wide beam

| Part number *        | Colour      | Weight | Light source                                         | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------------------------------------|---------------|---------------------|------|
| <b>8 365 546 058</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W)<br>warm white (3000 K) | 3184 lm       | up                  | down |
| <b>8 365 566 058</b> | white       |        |                                                      |               | 58°                 | 58°  |
| <b>8 365 556 058</b> | silver grey |        |                                                      |               |                     |      |

| Part number *        | Colour      | Weight | Light source                                            | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------------------------------------------|---------------|---------------------|------|
| <b>8 365 545 058</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W)<br>neutral white (4000 K) | 3344 lm       | up                  | down |
| <b>8 365 565 058</b> | white       |        |                                                         |               | 58°                 | 58°  |
| <b>8 365 555 058</b> | silver grey |        |                                                         |               |                     |      |

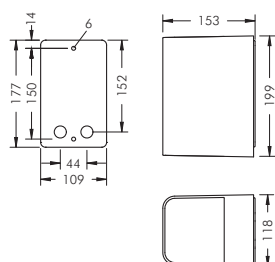
| Part number *   | Description                      |
|-----------------|----------------------------------|
| <b>... 1...</b> | <b>Dimmable luminaire (DALI)</b> |

\*Also available as up- or downlight only

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



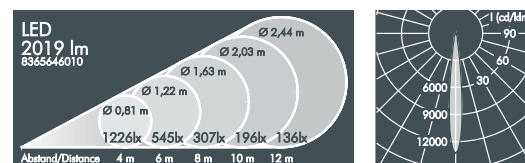


## Highrise with two-sided light emission

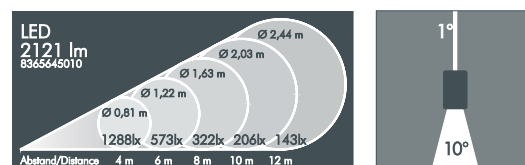
With high performance LED modules, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.03 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, highly efficient aluminium reflector and projection lens, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, wall box with 2 stainless steel screws:  
2 drilled holes Ø 6 mm, spacing 150 mm,  
2 cable entries for recessed or surface mounted cable Ø 7 - 10 mm,  
integral driver (AC/DC)

### Highrise, Accent light/narrow beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------|
| <b>8 365 646 018</b> | black       | 2.8 kg | 2 x LED module 16 W | 2019 lm       | up                  | down |
| <b>8 365 666 018</b> | white       |        | (32 W)              |               | 1°                  | 10°  |
| <b>8 365 656 018</b> | silver grey |        | warm white (3000 K) |               |                     |      |

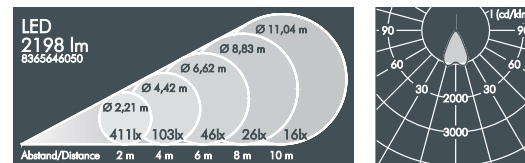


| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------|
| <b>8 365 645 018</b> | black       | 2.8 kg | 2 x LED module 16 W    | 2121 lm       | up                  | down |
| <b>8 365 665 018</b> | white       |        | (32 W)                 |               | 1°                  | 10°  |
| <b>8 365 655 018</b> | silver grey |        | neutral white (4000 K) |               |                     |      |

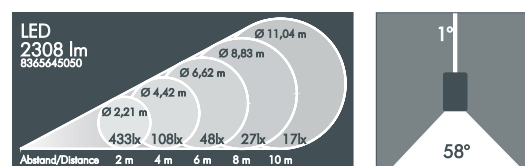


### Highrise, Accent light/wide beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------|
| <b>8 365 646 058</b> | black       | 2.8 kg | 2 x LED module 16 W | 2198 lm       | up                  | down |
| <b>8 365 666 058</b> | white       |        | (32 W)              |               | 1°                  | 58°  |
| <b>8 365 656 058</b> | silver grey |        | warm white (3000 K) |               |                     |      |

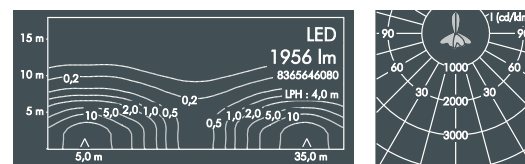


| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------|
| <b>8 365 645 058</b> | black       | 2.8 kg | 2 x LED module 16 W    | 2308 lm       | up                  | down |
| <b>8 365 665 058</b> | white       |        | (32 W)                 |               | 1°                  | 58°  |
| <b>8 365 655 058</b> | silver grey |        | neutral white (4000 K) |               |                     |      |



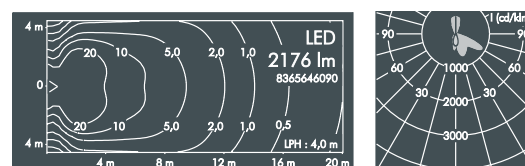
### Highrise, Accent light/lateral wide beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------|
| <b>8 365 646 088</b> | black       | 2.8 kg | 2 x LED module 16 W | 1956 lm       | up                  | down |
| <b>8 365 666 088</b> | white       |        | (32 W)              |               | 1°                  | 138° |
| <b>8 365 656 088</b> | silver grey |        | warm white (3000 K) |               |                     |      |



### Highrise, Accent light/asymmetrical beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------|
| <b>8 365 646 098</b> | black       | 2.8 kg | 2 x LED module 16 W | 2176 lm       | up                  | down |
| <b>8 365 666 098</b> | white       |        | (32 W)              |               | 1°                  | 60°  |
| <b>8 365 656 098</b> | silver grey |        | warm white (3000 K) |               |                     |      |



| Part number*     | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b>                                |

\*Also available as up- or downlight only

LED (see page 247)

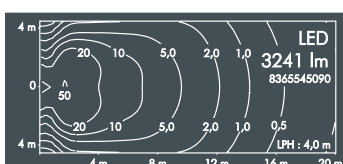
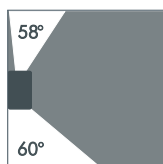
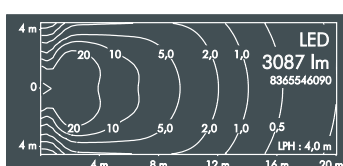
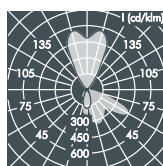
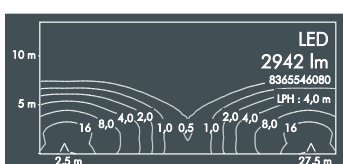
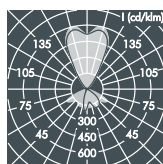
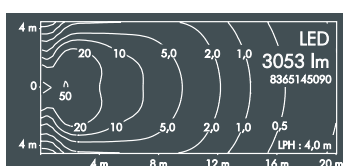
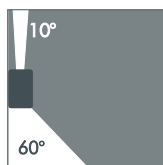
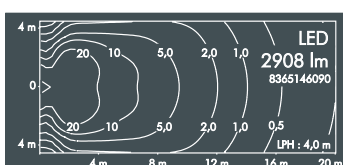
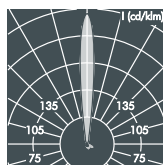
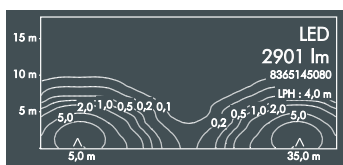
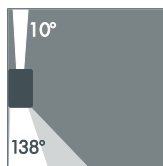
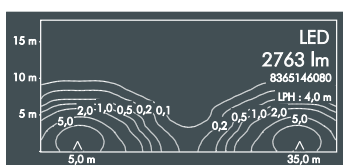
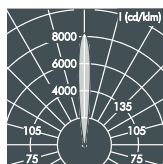
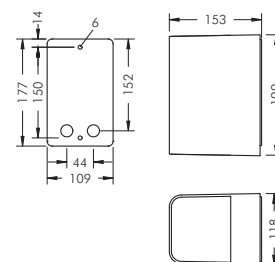
luminaires available in 2700 K and other colour temperatures upon request



## Highrise with two-sided light emission

With high performance LED modules (Zhaga),  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.03 m<sup>2</sup>

corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient aluminium reflectors and  
lens made of optical silicon,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
wall box with 2 stainless steel screws:  
2 drilled holes Ø 6 mm, spacing 150 mm,  
2 cable entries for recessed or  
surface mounted cable Ø 7 - 10 mm,  
integral driver (AC/DC)



LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



### Highrise, narrow beam/lateral wide beam

| Part number *        | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|------|
| <b>8 365 146 088</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W) | 2763 lm       | up                  | down |
| <b>8 365 166 088</b> | white       |        |                               |               | 10°                 | 138° |
| <b>8 365 156 088</b> | silver grey |        | warm white (3000 K)           |               |                     |      |

| Part number *        | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|------|
| <b>8 365 145 088</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W) | 2901 lm       | up                  | down |
| <b>8 365 165 088</b> | white       |        |                               |               | 10°                 | 138° |
| <b>8 365 155 088</b> | silver grey |        | neutral white (4000 K)        |               |                     |      |

### Highrise, narrow beam/asymmetrical beam

| Part number *        | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|------|
| <b>8 365 146 098</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W) | 2908 lm       | up                  | down |
| <b>8 365 166 098</b> | white       |        |                               |               | 10°                 | 60°  |
| <b>8 365 156 098</b> | silver grey |        | warm white (3000 K)           |               |                     |      |

| Part number *        | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|------|
| <b>8 365 145 098</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W) | 3053 lm       | up                  | down |
| <b>8 365 165 098</b> | white       |        |                               |               | 10°                 | 60°  |
| <b>8 365 155 098</b> | silver grey |        | neutral white (4000 K)        |               |                     |      |

### Highrise, wide beam/lateral wide beam

| Part number *        | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|------|
| <b>8 365 546 088</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W) | 2942 lm       | up                  | down |
| <b>8 365 566 088</b> | white       |        |                               |               | 58°                 | 138° |
| <b>8 365 556 088</b> | silver grey |        | warm white (3000 K)           |               |                     |      |

### Highrise, wide beam/asymmetrical beam

| Part number *        | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|------|
| <b>8 365 546 098</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W) | 3087 lm       | up                  | down |
| <b>8 365 566 098</b> | white       |        |                               |               | 58°                 | 60°  |
| <b>8 365 556 098</b> | silver grey |        | warm white (3000 K)           |               |                     |      |

| Part number *        | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|------|
| <b>8 365 545 098</b> | black       | 2.8 kg | 2 x LED module 18 W<br>(36 W) | 3241 lm       | up                  | down |
| <b>8 365 565 098</b> | white       |        |                               |               | 58°                 | 60°  |
| <b>8 365 555 098</b> | silver grey |        | neutral white (4000 K)        |               |                     |      |

| Part number *    | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 5 ...</b> | <b>Luminaire with neutral white colour temperature (4000 K)</b> |
| <b>... 1 ...</b> | <b>Dimmable luminaire (DAU)</b>                                 |

\*Also available as up- or downlight only



Unit is a new wall luminaire for the uniform illumination of floor areas adjacent to buildings. The clean housing design allows the luminaires to be used in various different architectural environments. There is a choice between an asymmetrical light distribution for area lighting and a lateral wide beam distribution for lighting of floor areas along façades. Alternatively, the luminaire can be used as an uplight for the illumination of ceilings or canopies.



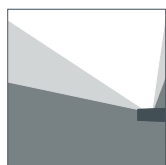
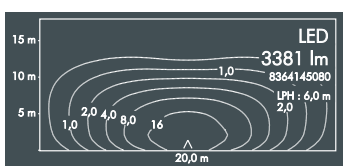
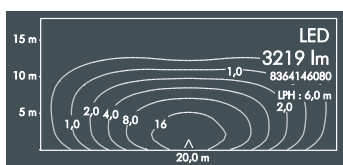
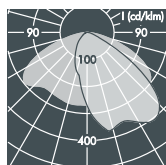
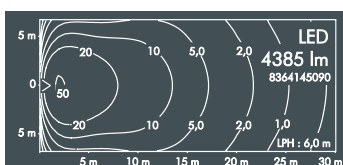
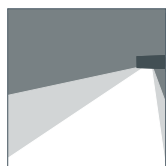
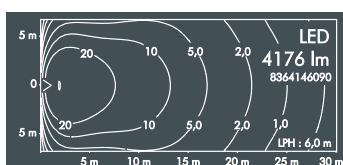
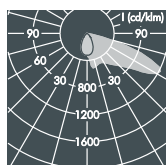
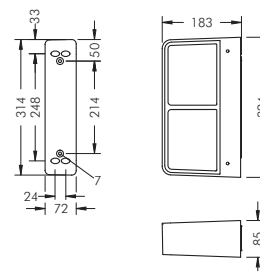
Unit creates uniform illumination on floor areas adjacent to buildings – alternatively with asymmetrical or lateral wide beam light distributions.



## Unit with one-sided light emission

With highly efficient LED modules,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 3 SDCM  
Service life: L80/B20 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.057 m<sup>2</sup>

corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
highly efficient reflector,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
wall box with 2 stainless steel screws:  
2 drilled holes Ø 7 mm, spacing 214 mm,  
4 cable entries for recessed or  
surface mounted cable Ø 7 - 10 mm,  
integral driver (AC/DC)



Alternatively, the  
luminaires can be  
used as uplights for  
indirect illumination.

### Unit, asymmetrical beam

| Part number          | Colour      | Weight | Light source                    | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|---------------------------------|---------------|-------------------|
| <b>8 364 146 098</b> | black       | 3.3 kg | 2 x LED module 18.5 W<br>(37 W) | 4176 lm       | 63°               |
| <b>8 364 166 098</b> | white       |        |                                 |               |                   |
| <b>8 364 156 098</b> | silver grey |        | warm white (3000 K)             |               |                   |

| Part number          | Colour      | Weight | Light source                    | Luminous flux | Main beam angle γ |
|----------------------|-------------|--------|---------------------------------|---------------|-------------------|
| <b>8 364 145 098</b> | black       | 3.3 kg | 2 x LED module 18.5 W<br>(37 W) | 4385 lm       | 63°               |
| <b>8 364 165 098</b> | white       |        |                                 |               |                   |
| <b>8 364 155 098</b> | silver grey |        | neutral white (4000 K)          |               |                   |

### Unit, lateral wide beam

| Part number          | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|
| <b>8 364 146 088</b> | black       | 3.3 kg | 2 x LED module 18 W<br>(36 W) | 3219 lm       | C 0 – 180           |
| <b>8 364 166 088</b> | white       |        |                               |               | 62°                 |
| <b>8 364 156 088</b> | silver grey |        | warm white (3000 K)           |               | 142°                |

| Part number          | Colour      | Weight | Light source                  | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|-------------------------------|---------------|---------------------|
| <b>8 364 145 088</b> | black       | 3.3 kg | 2 x LED module 18 W<br>(36 W) | 3381 lm       | C 0 – 180           |
| <b>8 364 165 088</b> | white       |        |                               |               | 62°                 |
| <b>8 364 155 088</b> | silver grey |        | neutral white (4000 K)        |               | 142°                |

| Part number      | Description                      |
|------------------|----------------------------------|
| <b>... 1 ...</b> | <b>Dimmable luminaire (DALI)</b> |

|                      | <b>Accessories Unit, Louvre</b> (internal, factory fitted, no retro-fitting)      |
|----------------------|-----------------------------------------------------------------------------------|
| <b>123 0 516 940</b> | Unit asymmetrical beam, vertical louvre, stainless steel, to reduce lateral glare |
| <b>123 0 517 940</b> | Unit lateral wide beam, horizontal louvre, stainless steel, to reduce glare       |



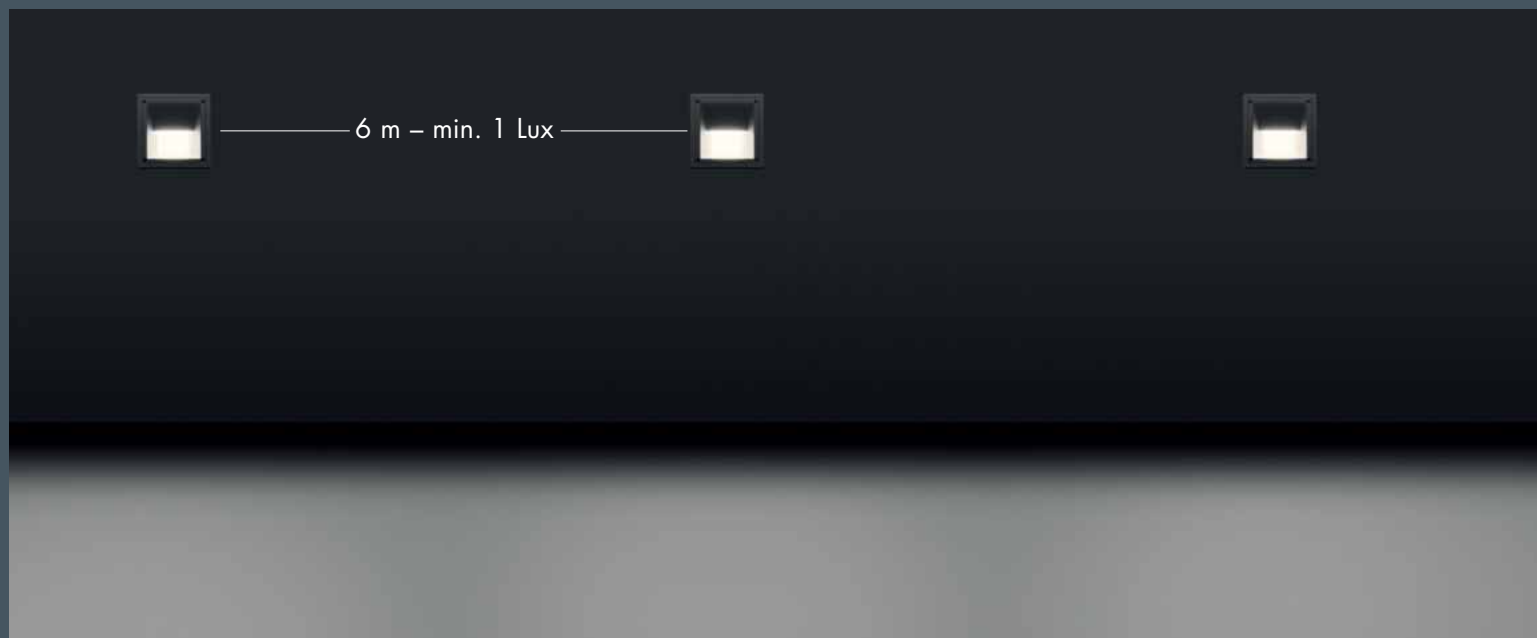
For Unit there is a choice of two different reflector options – an asymmetrical distribution for area lighting and a lateral wide beam distribution for uniform illumination of floor areas along façades.

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



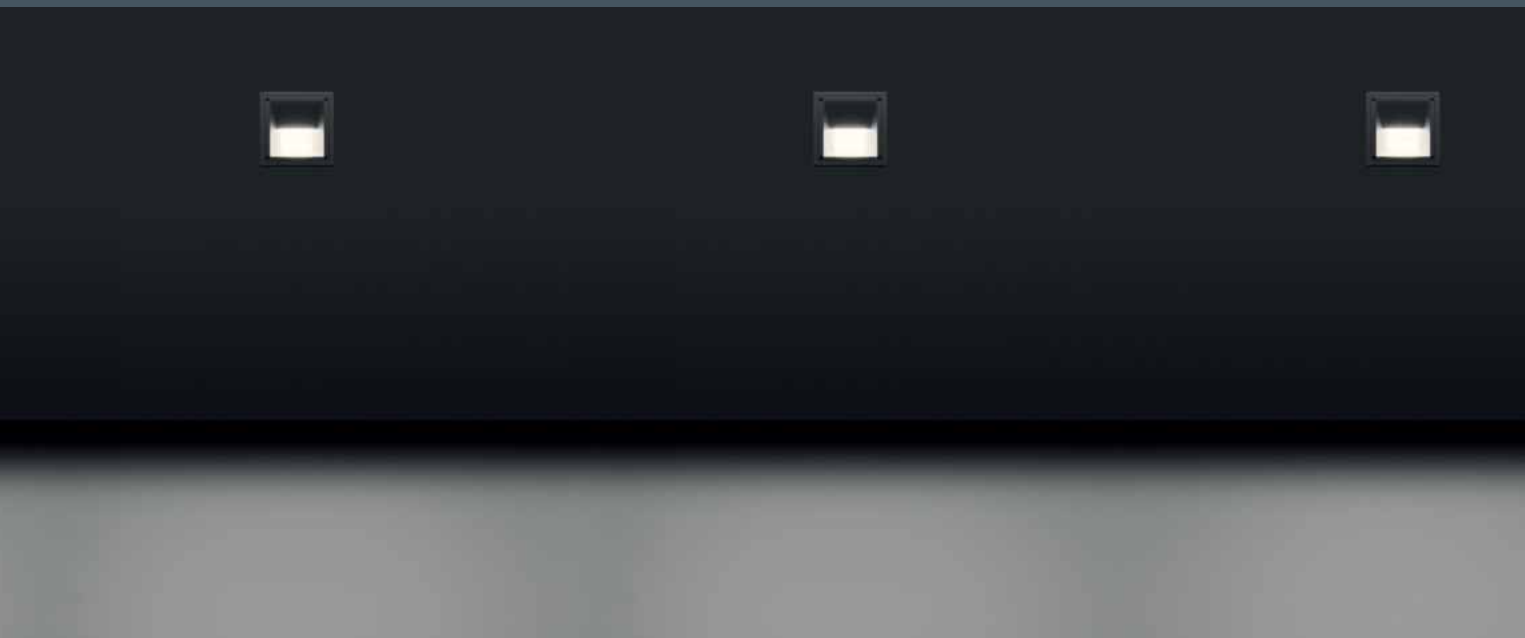




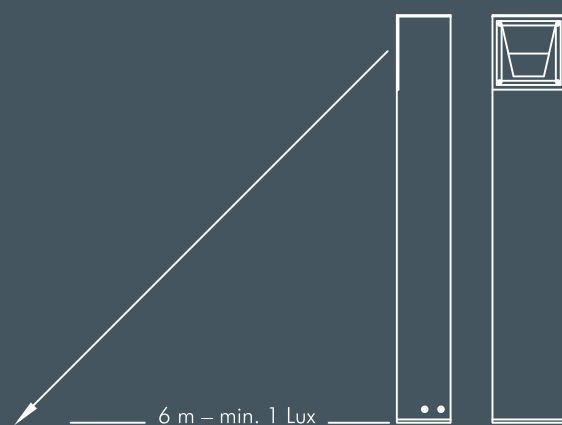
Nightpath is a wall recess and bollard series. The optical system produces an exceptionally wide and uniform light distribution which allows the luminaires to be spaced far apart. The housings are of compact design and offer the advantage of a very shallow recess depth. An impact resistant polycarbonate cover for enhanced protection against vandalism is available as an accessory.



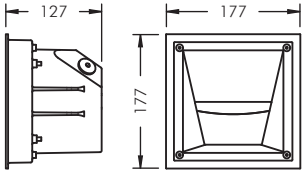
Design: Roy Fleetwood



In outdoor areas the recommendation for walkways and stairs is a minimum of 1 lux average. Nightpath is able to comply with this even with up to 6 metre spacings (at a light source height of 0.8 m). An average illuminance of 1 lx is achieved up to 6 m in front of the luminaires.



The bollard version of Nightpath is built into a robust aluminium profile and can be integrated into any architectural environment thanks to its unostentatious design.



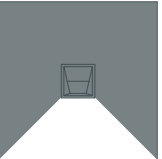
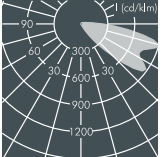
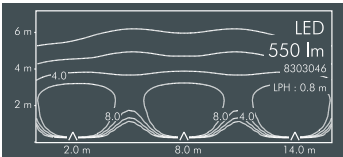
**Nightpath  
wall recessed luminaire**

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
extreme wide beam optical system,  
tempered prismatic safety glass,  
all exterior steel parts are stainless steel,  
with stainless steel braces for installation in cavity  
walls (wall thickness 9-55 mm),  
cut-out 165 x 165 mm,  
silicone gasket, closure by 4 stainless steel screws,  
two cable entries, integral driver (AC/DC)

**Nightpath wall recessed luminaire for installation in cavity walls**

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 303 046 008</b> | black       | 2.0 kg | 5 x LED 2.5 W       | 550 lm        | 88°                 |
| <b>8 303 066 008</b> | white       |        | (13 W)              |               |                     |
| <b>8 303 056 008</b> | silver grey |        | warm white (3000 K) |               |                     |

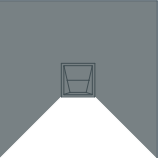
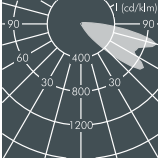
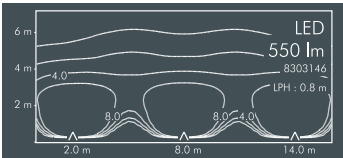
\*These luminaires are also available with neutral white LEDs (4000 K) upon request.



**Nightpath wall recessed luminaire for installation in concrete walls\*\***

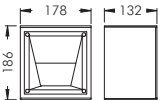
| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |
|----------------------|-------------|--------|---------------------|---------------|---------------------|
| <b>8 303 146 008</b> | black       | 1.9 kg | 5 x LED 2.5 W       | 550 lm        | 88°                 |
| <b>8 303 166 008</b> | white       |        | (13 W)              |               |                     |
| <b>8 303 156 008</b> | silver grey |        | warm white (3000 K) |               |                     |

\*These luminaires are also available with neutral white LEDs (4000 K) upon request.



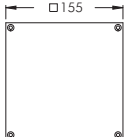
**Nightpath wall recessed luminaire for surface mounting**

| Part number      | Description                                                      |
|------------------|------------------------------------------------------------------|
| <b>... 2 ...</b> | <b>Luminaire for surface mounting,</b><br>with aluminium housing |

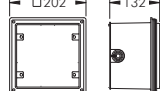
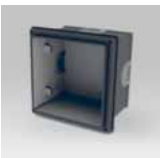


**Accessories Nightpath wall recessed luminaires**

| Part number          | Description                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>123 0 270 000</b> | <b>Polycarbonate cover,</b><br>for protection against vandalism,<br>for flush mounting in luminaire housing (IK10) |



| **Part number        | Description                                                              |
|----------------------|--------------------------------------------------------------------------|
| <b>123 0 252 000</b> | <b>Plastic recess box</b><br>required for installation in concrete walls |



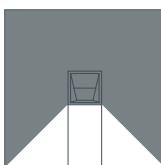
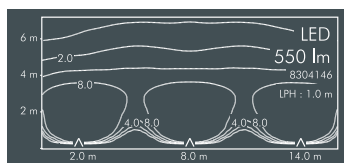
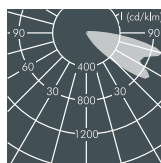
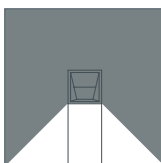
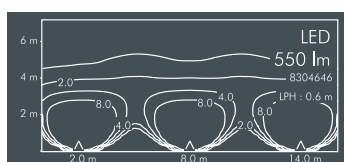
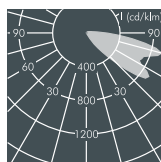
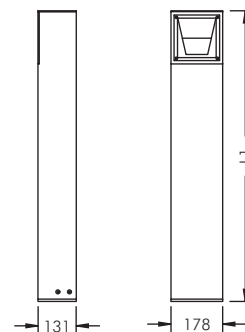
**LED** (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



## Nightpath bollard

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, light head IP65  $\blacklozenge\blacktriangle\blacktriangle$ , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
extruded aluminium post,  
cast aluminium base plate,  
polyester powder coated,  
extreme wide beam optical system,  
tempered prismatic safety glass,  
all exterior steel parts are stainless steel,  
silicone gasket, closure by 4 stainless steel screws,  
integral driver (AC/DC)



### Nightpath bollard, height 600 mm

| Part number *        | Colour      | Weight | Light source                                   | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|------------------------------------------------|---------------|----------------------------|
| <b>8 304 646 008</b> | black       | 6.2 kg | 5 x LED 2.5 W<br>(13 W)<br>warm white (3000 K) | 550 lm        | 88°                        |
| <b>8 304 666 008</b> | white       |        |                                                |               |                            |
| <b>8 304 656 008</b> | silver grey |        |                                                |               |                            |

\*These luminaires are also available with neutral white LEDs (4000 K) upon request.

### Nightpath bollard, height 1000 mm

| Part number *        | Colour      | Weight | Light source                                   | Luminous flux | Beam angle $\gamma$ (FWHM) |
|----------------------|-------------|--------|------------------------------------------------|---------------|----------------------------|
| <b>8 304 146 008</b> | black       | 8.7 kg | 5 x LED 2.5 W<br>(13 W)<br>warm white (3000 K) | 550 lm        | 88°                        |
| <b>8 304 166 008</b> | white       |        |                                                |               |                            |
| <b>8 304 156 008</b> | silver grey |        |                                                |               |                            |

\*These luminaires are also available with neutral white LEDs (4000 K) upon request.

### Nightpath bollard with door and connection box

| Part number      | Description                                   |
|------------------|-----------------------------------------------|
| <b>... .. 1.</b> | <b>Luminaire with door and connection box</b> |

### Accessories Nightpath bollard

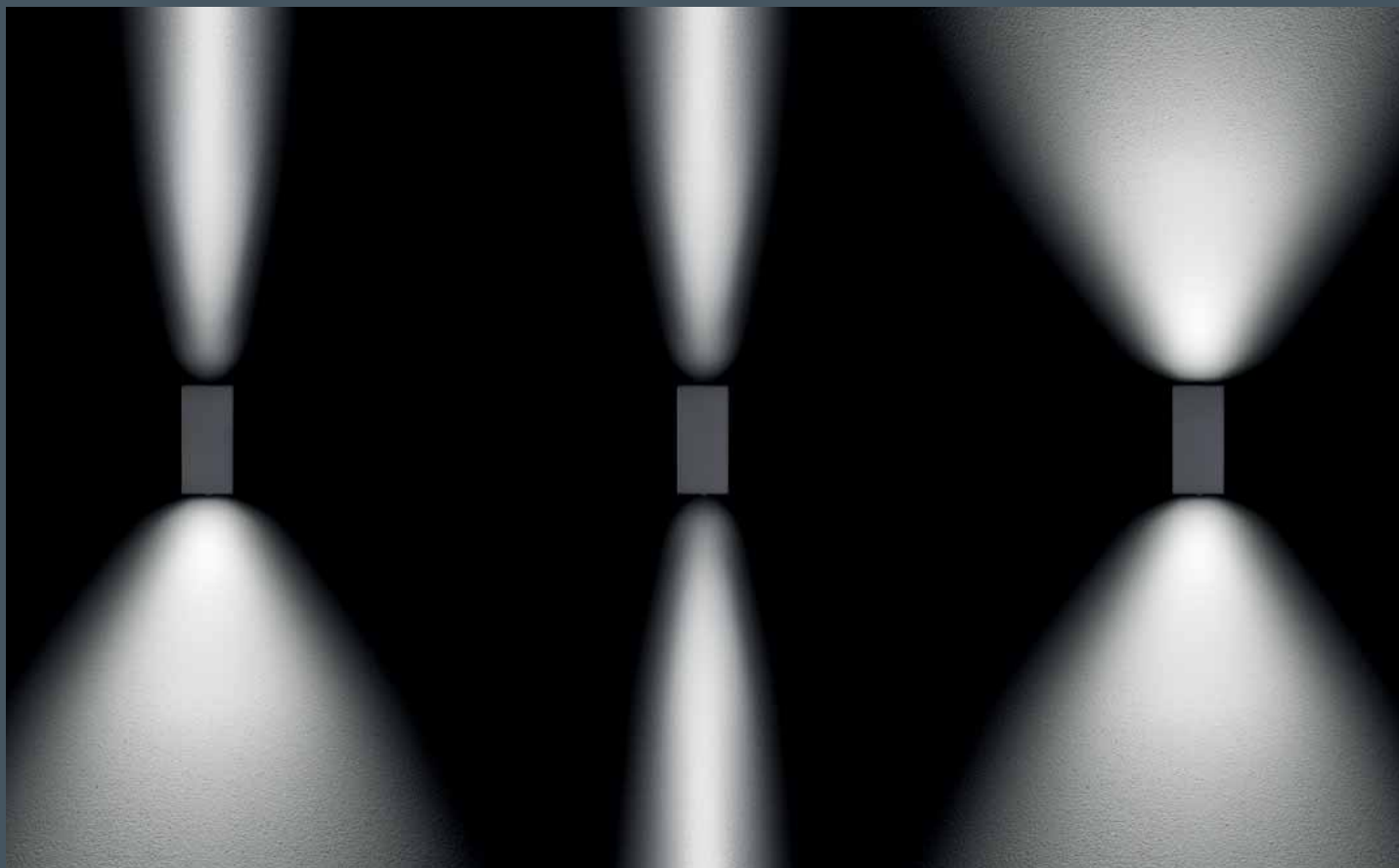
| Part number          | Description                                                 |
|----------------------|-------------------------------------------------------------|
| <b>128 0 346 000</b> | <b>Buried extension piece,</b><br>steel, hot dip galvanised |

| Part number          | Description                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>123 0 270 000</b> | <b>Polycarbonate cover,</b><br>for protection against vandalism,<br>for flush mounting in luminaire housing (IK10) |

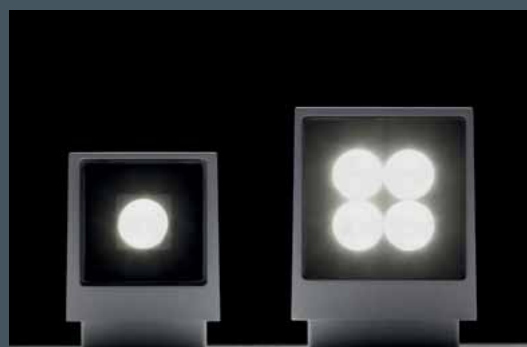
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





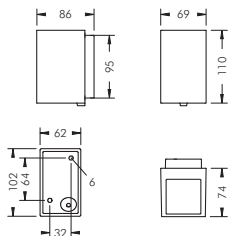
Gemini is a range of up/down wall luminaires. The LED optics are available in narrow or wide beam distribution and can be combined with one another. Thanks to their sleek design and compact dimensions, these luminaires lend themselves well to being integrated into modern or historical architecture. They produce interesting lighting effects while consuming very little energy.



Gemini is available in 2 sizes with either one or four LEDs on each side.

By combining narrow beam and wide beam optics, it is possible to create an attractive lighting effect on the façade, at the same time providing uniform illumination of the adjacent area on the ground.



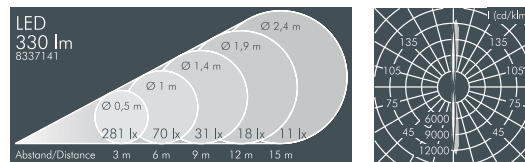


## Gemini 1

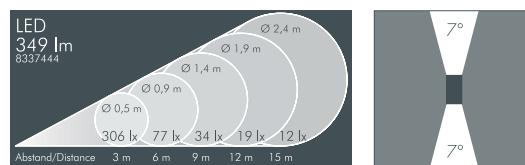
With high performance LEDs,  
thermal monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.01 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered, high transmission safety glass,  
silicon gasket, wall box: 2 drilled holes Ø 6 mm,  
spacing 64 mm, one cable entry for recessed or  
surface mounted cable Ø 7-10 mm,  
integral driver (AC/DC)

### Gemini 1, narrow beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------|
| <b>8 337 141 008</b> | black       | 0.6 kg | 2 x LED 2.5 W       | 330 lm        | up                  | down |
| <b>8 337 161 008</b> | white       |        | (5 W)               |               | 7°                  | 7°   |
| <b>8 337 151 008</b> | silver grey |        | warm white (3000 K) |               |                     |      |

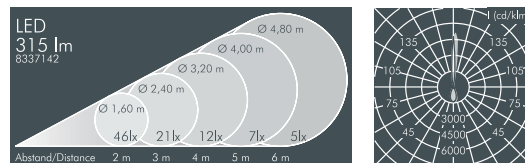


| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------|
| <b>8 337 444 008</b> | black       | 0.6 kg | 2 x LED 2.5 W          | 349 lm        | up                  | down |
| <b>8 337 464 008</b> | white       |        | (5 W)                  |               | 7°                  | 7°   |
| <b>8 337 454 008</b> | silver grey |        | neutral white (4000 K) |               |                     |      |

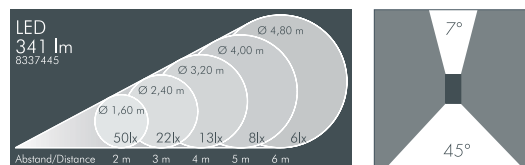


### Gemini 1, narrow/wide beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------|
| <b>8 337 142 008</b> | black       | 0.6 kg | 2 x LED 2.5 W       | 315 lm        | up                  | down |
| <b>8 337 162 008</b> | white       |        | (5 W)               |               | 7°                  | 45°  |
| <b>8 337 152 008</b> | silver grey |        | warm white (3000 K) |               |                     |      |

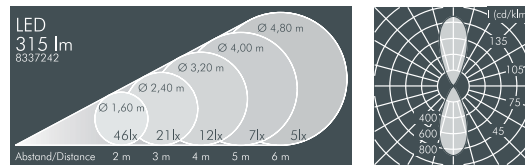


| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------|
| <b>8 337 445 008</b> | black       | 0.6 kg | 2 x LED 2.5 W          | 341 lm        | up                  | down |
| <b>8 337 465 008</b> | white       |        | (5 W)                  |               | 7°                  | 45°  |
| <b>8 337 455 008</b> | silver grey |        | neutral white (4000 K) |               |                     |      |

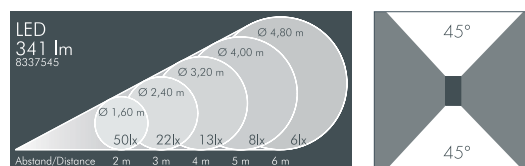


### Gemini 1, wide beam

| Part number*         | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------|
| <b>8 337 242 008</b> | black       | 0.6 kg | 2 x LED 2.5 W       | 315 lm        | up                  | down |
| <b>8 337 262 008</b> | white       |        | (5 W)               |               | 45°                 | 45°  |
| <b>8 337 252 008</b> | silver grey |        | warm white (3000 K) |               |                     |      |



| Part number*         | Colour      | Weight | Light source           | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------|---------------|---------------------|------|
| <b>8 337 545 008</b> | black       | 0.6 kg | 2 x LED 2.5 W          | 341 lm        | up                  | down |
| <b>8 337 565 008</b> | white       |        | (5 W)                  |               | 45°                 | 45°  |
| <b>8 337 555 008</b> | silver grey |        | neutral white (4000 K) |               |                     |      |



\*Also available as up- or downlight only.

LED (see page 247)

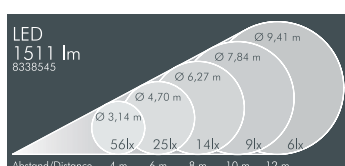
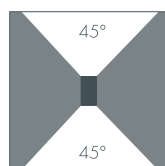
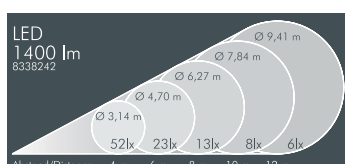
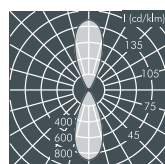
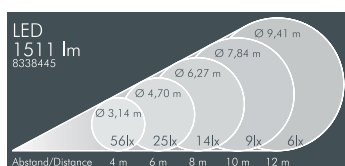
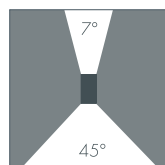
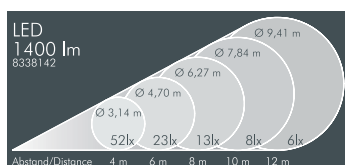
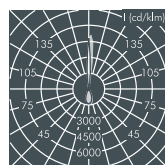
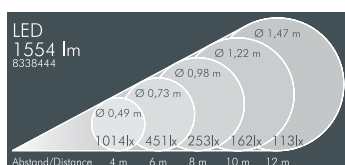
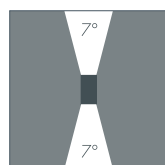
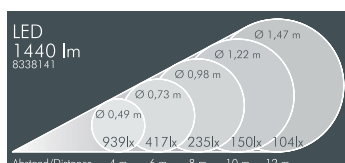
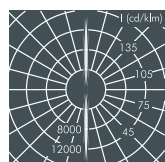
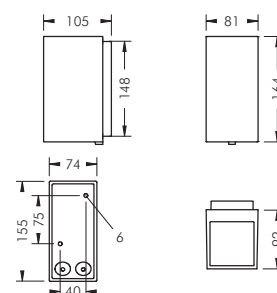
Luminaires available in 2700 K and other colour temperatures upon request





## Gemini 2

With high performance LEDs,  
thermal monitoring device,  
CRI: > 80, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP65 , IK08  
windage area AW 0.017 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered, high transmission safety glass,  
silicon gasket, wall box: 2 drilled holes Ø 6 mm,  
spacing 75 mm, two cable entries for recessed or  
surface mounted cable Ø 7-10 mm,  
integral driver (AC/DC)



LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



### Gemini 2, narrow beam

| Part number*         | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------|
| <b>8 338 141 008</b> | black       | 1.2 kg | 8 x LED 2.5 W<br>(20 W)<br>warm white (3000 K) | 1440 lm       | up                  | down |
| <b>8 338 161 008</b> | white       |        |                                                |               | 7°                  | 7°   |
| <b>8 338 151 008</b> | silver grey |        |                                                |               |                     |      |

| Part number*         | Colour      | Weight | Light source                                      | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------------------------------------|---------------|---------------------|------|
| <b>8 338 444 008</b> | black       | 1.2 kg | 8 x LED 2.5 W<br>(20 W)<br>neutral white (4000 K) | 1554 lm       | up                  | down |
| <b>8 338 464 008</b> | white       |        |                                                   |               | 7°                  | 7°   |
| <b>8 338 454 008</b> | silver grey |        |                                                   |               |                     |      |

### Gemini 2, narrow/wide beam

| Part number*         | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------|
| <b>8 338 142 008</b> | black       | 1.2 kg | 8 x LED 2.5 W<br>(20 W)<br>warm white (3000 K) | 1400 lm       | up                  | down |
| <b>8 338 162 008</b> | white       |        |                                                |               | 7°                  | 45°  |
| <b>8 338 152 008</b> | silver grey |        |                                                |               |                     |      |

| Part number*         | Colour      | Weight | Light source                                      | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------------------------------------|---------------|---------------------|------|
| <b>8 338 445 008</b> | black       | 1.2 kg | 8 x LED 2.5 W<br>(20 W)<br>neutral white (4000 K) | 1511 lm       | up                  | down |
| <b>8 338 465 008</b> | white       |        |                                                   |               | 7°                  | 45°  |
| <b>8 338 455 008</b> | silver grey |        |                                                   |               |                     |      |

### Gemini 2, wide beam

| Part number*         | Colour      | Weight | Light source                                   | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|------------------------------------------------|---------------|---------------------|------|
| <b>8 338 242 008</b> | black       | 1.2 kg | 8 x LED 2.5 W<br>(20 W)<br>warm white (3000 K) | 1400 lm       | up                  | down |
| <b>8 338 262 008</b> | white       |        |                                                |               | 45°                 | 45°  |
| <b>8 338 252 008</b> | silver grey |        |                                                |               |                     |      |

| Part number*         | Colour      | Weight | Light source                                      | Luminous flux | Beam angle γ (FWHM) |      |
|----------------------|-------------|--------|---------------------------------------------------|---------------|---------------------|------|
| <b>8 338 545 008</b> | black       | 1.2 kg | 8 x LED 2.5 W<br>(20 W)<br>neutral white (4000 K) | 1511 lm       | up                  | down |
| <b>8 338 565 008</b> | white       |        |                                                   |               | 45°                 | 45°  |
| <b>8 338 555 008</b> | silver grey |        |                                                   |               |                     |      |

| Part number*     | Description                                                     |
|------------------|-----------------------------------------------------------------|
| <b>... 8 ...</b> | <b>Luminaire with asymmetrical light distribution downwards</b> |
| <b>... 2 ...</b> | <b>Dimmable version (1-10 V)</b>                                |

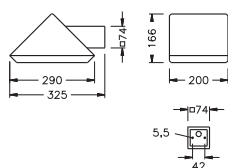
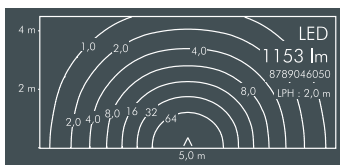
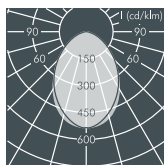
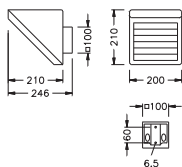
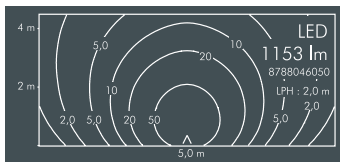
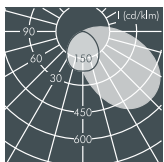
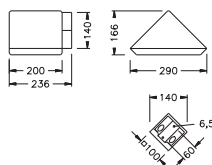
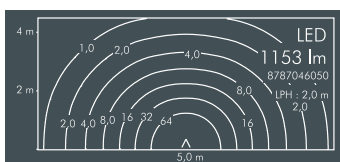
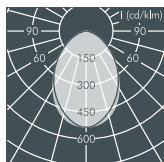
\*On request the luminaires are available as up or downlight only and with additional light distributions.



The Variant range of wall luminaires is suitable for the illumination of vertical surfaces and the adjacent floor or ground area. Depending on the model, the light is projected either parallel to the wall or forward throw at 45 °. Wide beam light distributions provide uniform illumination and allow the luminaires to be spaced far apart.

## Variant

With high performance LED module,  
 CRI: > 80, Colour tolerance: 3 SDCM  
 Service life: L80/B20 > 50 000 h  
 protection class I, IP54 , IK08  
 windage area AW 0.058 m<sup>2</sup>  
 corrosion-resistant die cast aluminium housing AlSi12,  
 polyester powder coated,  
 all exterior steel parts are stainless steel,  
 tempered prismatic safety glass, silicon gasket,  
 closure with 4 stainless steel screws,  
 wall box Variant A / Variant B:  
 2 drilled holes Ø 6.5 mm, spacing 60 mm,  
 cable entry Ø 7-10 mm UP and AP,  
 wall box Variant C:  
 2 drilled holes Ø 5.5 mm, spacing 42 mm,  
 cable entry Ø 7-10 mm UP and AP,  
 integral driver (AC/DC)



### Variant A

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 787 046 058</b> | black       | 2.9 kg | 1 x LED module 21 W<br>warm white (3000 K) | 1153 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 787 066 058</b> | white       |        |                                            |               | 80°                 | 80°        |
| <b>8 787 056 058</b> | silver grey |        |                                            |               |                     |            |

| Part number | Description                        |
|-------------|------------------------------------|
| ... 1 ..    | <b>Dimmable luminaire (DALI)</b>   |
| ... 2 ..    | <b>Dimmable luminaire (1-10 V)</b> |

### Variant B

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 788 046 058</b> | black       | 2.9 kg | 1 x LED module 21 W<br>warm white (3000 K) | 1153 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 788 066 058</b> | white       |        |                                            |               | 80°                 | 80°        |
| <b>8 788 056 058</b> | silver grey |        |                                            |               |                     |            |

| Part number | Description                        |
|-------------|------------------------------------|
| ... 1 ..    | <b>Dimmable luminaire (DALI)</b>   |
| ... 2 ..    | <b>Dimmable luminaire (1-10 V)</b> |

### Variant C

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 789 046 058</b> | black       | 3.1 kg | 1 x LED module 21 W<br>warm white (3000 K) | 1153 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 789 066 058</b> | white       |        |                                            |               | 80°                 | 80°        |
| <b>8 789 056 058</b> | silver grey |        |                                            |               |                     |            |

| Part number | Description                        |
|-------------|------------------------------------|
| ... 1 ..    | <b>Dimmable luminaire (DALI)</b>   |
| ... 2 ..    | <b>Dimmable luminaire (1-10 V)</b> |

### Accessories Variant B and Variant C

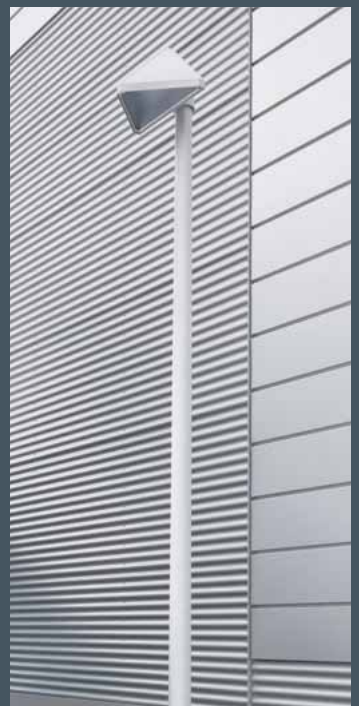
| Part number          | Colour      | Description                                                                                                   |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------|
| <b>127 0 098 940</b> | black       | <b>Corner fixing bracket</b> , aluminium,<br>polyester powder coated, for mounting floodlights on 90° corners |
| <b>127 0 098 960</b> | white       |                                                                                                               |
| <b>127 0 098 950</b> | silver grey |                                                                                                               |





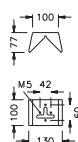
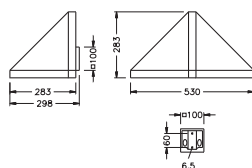
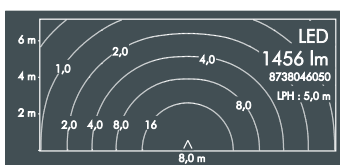
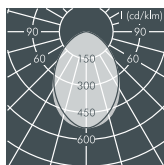
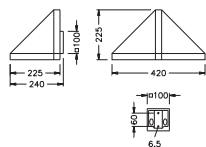
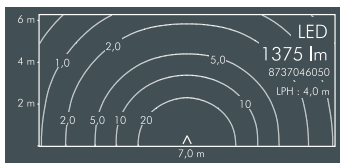
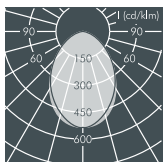
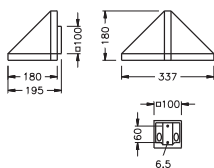
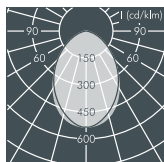
The Facette series is available in 3 sizes for LED, with wide beam light distribution. Uniform illumination of façades and adjacent ground areas is possible from various different mounting heights.

Facette B and C with more powerful LEDs can also be used for pole mounting.



## Facette

With high performance LED modules,  
 CRI: > 80, Colour tolerance: 3 SDCM  
 Service life: L80/B20 > 50 000 h  
 protection class I, IP54  , IK08  
 corrosion-resistant die cast aluminium housing AlSi12,  
 polyester powder coated,  
 all exterior steel parts are stainless steel,  
 tempered safety glasses, silicon gasket,  
 closure with 3 stainless steel screws, wall box:  
 2 drilled holes Ø 6,5 mm, spacing 60 mm,  
 cable entry up to Ø 7-10 mm UP and AP,  
 integral driver (AC/DC)



### Facette A

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 736 046 058</b> | black       | 2.0 kg | 1 x LED module 21 W<br>warm white (3000 K) | 1153 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 736 066 058</b> | white       |        |                                            |               | 80°                 | 80°        |
| <b>8 736 056 058</b> | silver grey |        |                                            |               |                     |            |

| Part number | Description                        |
|-------------|------------------------------------|
| ... 1 ..    | <b>Dimmable luminaire (DALI)</b>   |
| ... 2 ..    | <b>Dimmable luminaire (1-10 V)</b> |

### Facette B\*

| Part number          | Colour      | Weight | Light source                               | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|--------------------------------------------|---------------|---------------------|------------|
| <b>8 737 046 058</b> | black       | 3.3 kg | 1 x LED module 25 W<br>warm white (3000 K) | 1375 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 737 066 058</b> | white       |        |                                            |               | 80°                 | 80°        |
| <b>8 737 056 058</b> | silver grey |        |                                            |               |                     |            |

| Part number | Description                        |
|-------------|------------------------------------|
| ... 1 ..    | <b>Dimmable luminaire (DALI)</b>   |
| ... 2 ..    | <b>Dimmable luminaire (1-10 V)</b> |

\* Pole top fitters for poles Ø 60 and 76 Ø mm are available as accessories.

### Facette C\*

| Part number          | Colour      | Weight | Light source                                         | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|------------------------------------------------------|---------------|---------------------|------------|
| <b>8 738 046 058</b> | black       | 4.9 kg | 2 x LED module 14 W<br>(28 W)<br>warm white (3000 K) | 1456 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 738 066 058</b> | white       |        |                                                      |               | 80°                 | 80°        |
| <b>8 738 056 058</b> | silver grey |        |                                                      |               |                     |            |

| Part number | Description                        |
|-------------|------------------------------------|
| ... 1 ..    | <b>Dimmable luminaire (DALI)</b>   |
| ... 2 ..    | <b>Dimmable luminaire (1-10 V)</b> |

\* Pole top fitters for poles Ø 60 and 76 Ø mm are available as accessories.

### Accessories Facette A/B/C

| Part number          | Colour      | Description                                                                                                   |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------|
| <b>127 0 098 940</b> | black       | <b>Corner fixing bracket</b> , aluminium,<br>polyester powder coated, for mounting floodlights on 90° corners |
| <b>127 0 098 960</b> | white       |                                                                                                               |
| <b>127 0 098 950</b> | silver grey |                                                                                                               |

LED (see page 247)





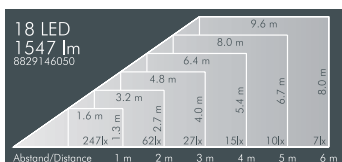
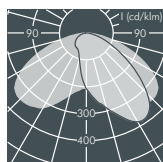
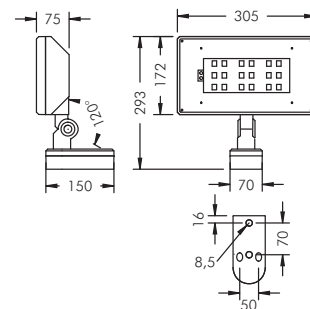
Superlight is a tried and tested luminaire series for LEDs and offers an economical solution for uniform illumination of entrances, façades and canopies. The robust knuckle joints allow for flexible orientation of the fixtures.



The versions with wall arm are useful products for sign lighting.

## Superlight with wall box and joint

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 70, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP54 , IK08  
windage area AWV 0.06 m<sup>2</sup>  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated,  
all exterior steel parts are stainless steel,  
tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws,  
wall box: 2 drilled holes Ø 8.5 mm,  
spacing 70 mm, knuckle joint adjustable 120°,  
cable entry: recessed or surface mounted cable,  
cable entry up to Ø 10 mm,  
integral driver (AC/DC)



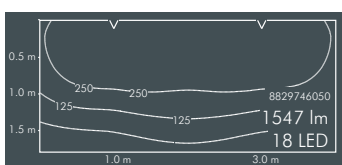
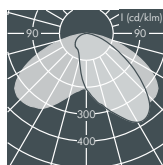
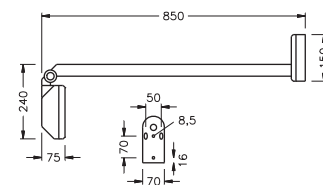
### Superlight with wall box and joint

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 829 146 058</b> | black       | 3.0 kg | 18 x LED 1.7 W      | 1547 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 829 166 058</b> | white       |        | (31 W)              |               | 57°                 | 138°       |
| <b>8 829 156 058</b> | silver grey |        | warm white (3000 K) |               |                     |            |

| Part number | Designation                                                     |
|-------------|-----------------------------------------------------------------|
| ... 5 ...   | <b>Luminaire with neutral white colour temperature (4300 K)</b> |
| ... 0 ...   | <b>Superlight with wall box</b>                                 |

## Superlight with wall arm and joint

With high performance LEDs,  
integral temperature monitoring device,  
CRI: > 70, Colour tolerance: max. 2 SDCM  
Service life: L90/B10 > 50 000 h  
protection class I, IP54 , IK08  
corrosion-resistant die cast aluminium housing AlSi12,  
polyester powder coated, all exterior steel parts are  
stainless steel, tempered safety glass, silicon gasket,  
closure with 4 stainless steel screws, wall box:  
2 drilled holes Ø 8.5 mm, spacing 70 mm,  
aluminium wall arm overall length 0.75 m,  
recessed or surface mounted cable,  
cable entry up to Ø 10 mm,  
integral driver (AC/DC)



### Superlight with wall arm and joint

| Part number          | Colour      | Weight | Light source        | Luminous flux | Beam angle γ (FWHM) |            |
|----------------------|-------------|--------|---------------------|---------------|---------------------|------------|
| <b>8 829 746 058</b> | black       | 3.5 kg | 18 x LED 1.7 W      | 1547 lm       | C 0 – 180           | C 90 – 270 |
| <b>8 829 766 058</b> | white       |        | (31 W)              |               | 57°                 | 138°       |
| <b>8 829 756 058</b> | silver grey |        | warm white (3000 K) |               |                     |            |

| Part number | Designation                                                     |
|-------------|-----------------------------------------------------------------|
| ... 5 ...   | <b>Luminaire with neutral white colour temperature (4300 K)</b> |
| ... 8 ...   | <b>Superlight with wall arm and 2 joints</b>                    |

### Accessories Superlight

| Part number          | Colour      | Description                                                                                                       |
|----------------------|-------------|-------------------------------------------------------------------------------------------------------------------|
| <b>128 0 231 940</b> | black       | <b>Wall plate A (U-shaped)</b> , aluminium,<br>polyester powder coated,<br>for extra support on unstable surfaces |
| <b>128 0 231 960</b> | white       |                                                                                                                   |
| <b>128 0 231 950</b> | silver grey |                                                                                                                   |

LED (see page 247)

luminaires available in 2700 K and other colour temperatures upon request





| Power correction capacitors |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Reference number            | For lamp                                                      |
| 120 0 086 000               | HIT 35 W                                                      |
|                             | HIT-TC-CE 35 W<br>(Ground-recessed up-lighters 8 600 ... ...) |
| 120 0 089 000               | HIT-DE 70 W                                                   |
|                             | HIT 70 W                                                      |
|                             | HST-DE 70 W                                                   |
|                             | HSE 70 W                                                      |
| 120 0 091 000               | HIE 100 W                                                     |
|                             | HIT-DE 150 W                                                  |
|                             | HIT 150 W                                                     |
|                             | HST-DE 150 W                                                  |
| 120 0 093 000               | HST 150 W                                                     |
|                             | HIT-DE 250 W                                                  |
|                             | HIT 250 W                                                     |
| 120 0 094 000               | HST 250 W                                                     |
|                             | HIT/HIE 400 W<br>( $< 3,6$ A)                                 |
|                             | HST-DE 250 W                                                  |
| 120 0 256 000               | HIT/HIE 400 W<br>( $> 4,0$ A)                                 |
|                             | HST 400 W                                                     |
|                             | HIT-DE 400 W                                                  |
|                             | HST-DE 400 W                                                  |

Protection classes –  
Protection against electric shock

To protect life, precaution must be taken to prevent shock caused by live parts on electrical appliances. Consequently each luminaire has to be properly insulated so that all danger caused by touching live parts is avoided. Special attention must be paid that all appliances are disconnected from power supply, should in any way the insulation become damaged.

Protection classes advise on the various ways of application.

| Protection class | Symbol                                                                               | Application example                                                                          |
|------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| I                |  * | Feeder circuits with protection conductor                                                    |
| II               |    | Feeder circuits without protective conductor (i.e. flats or living quarter in old buildings) |
| III              |  | Portable lights for rugged working conditions such as hand lamps for boiler illumination     |

\* Identification of protective conductor connection

| Symbol                                                                              | Application example                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  | Luminaires with integral ballast or transformer, suitable for mounting on normal inflammable surfaces |

The "Safety Mark" 

is the registered mark for tested safety according to the harmonized European regulations (LUM-agreement) and is recognized by 18 European certification authorities without renewed testing by those authorities.

## LED Modules

For the Meyer luminaire range replacement LED modules are available. The current technical status of all luminaires supplied regarding brightness and colour temperature (LED binnings) is documented on the modules and registered for each order.

### The SMD LED

This consists of an LED, a protective silicone dome and a board made, for example, of ceramic. These LEDs can be arranged on a board as required and are often used in combination with optical lenses.

### The COB

In the case of Chip On Board technology a number of LEDs are mounted directly to the board in a dense array. This high density of LEDs makes it possible to achieve high levels of luminous flux.

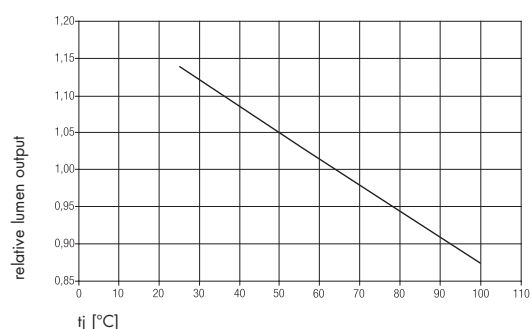
Zhaga is a consortium which is developing specifications that enable the interchangeability of LED light sources made by multiple different manufacturers. The standardization covers the fixing points, lumen packages and colour temperatures.

## Efficiency and Heat

The luminous flux and efficiency of an LED decrease as the operating temperature increases. All luminous flux figures shown in the catalogue are stabilized values at an ambient temperature of 25°C. The figures refer to the actual luminous flux of the luminaire. Maintenance factors are not considered.

Too much heat causes faster aging of the LED and premature failure. For this reason temperature management and efficient heat dissipation are important quality criteria. To ensure that critical limits are not exceeded, our luminaires are equipped with a temperature monitoring device. The regulation is done either by dimming or switching off.

relative lumen output vs.  $t_j$  temperature



## Colour temperature

Due to the LED production process, variances in colour temperature are possible. For this reason LEDs are sorted into so-called Binning Groups or Kits. The LEDs in one Kit are of a similar colour temperature whereby slight variations are possible. The LEDs from one Kit have a similar colour temperature (CCT – Correlated Colour Temperature). The figures quoted in the catalogue refer to this similar colour temperature (CCT).

We keep a record of the bin numbers used for each order. This means that if additional quantities or replacements are required for a specific project, we can supply LEDs of a similar colour temperature (CCT).

## Optical Systems

The small dimensions and relatively low heat radiation of LEDs make it possible to use very precise optical lenses to direct the light. These are often made of PMMA but also optical silicone or metal reflectors may be used.

Depending on the required light distribution, e.g. narrow beam, wide beam or wall washer, the most suitable material for the production of the optical lenses can be chosen. The high efficiency of our LED luminaires is achieved with the help of precise optical systems. The light is directed where it is required, i.e. onto the surface to be illuminated.

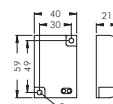
## Overvoltage / surge protection

A surge in the electrical power supply can occur due to lightning strike or switching operations. These should be diverted using special equipment in order to protect the LED system.

A surge protection module is a simple way of protecting the LED system and can help to avoid costly repairs if there is surge in the power supply.

### Accessories for LED luminaires

| Part number          | Description                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>120 0 533 000</b> | <b>Overvoltage / surge protection module</b> , Type 2 and 3<br>single phase protection up to 10 kv, cuts off the electrical circuit if there is a surge,<br>Module (IP20) for remote mounting |



| Ref. No.             | Page            | Ref. No.             | Page     | Ref. No.             | Page       | Ref. No.             | Page     | Ref. No.             | Page          |
|----------------------|-----------------|----------------------|----------|----------------------|------------|----------------------|----------|----------------------|---------------|
| <b>113</b>           |                 | <b>122 0 282 950</b> | 180      | <b>123 0 467 940</b> | 49         | <b>127</b>           |          | <b>128 0 232 950</b> | 191           |
| <b>113 0 027 000</b> | 223             | <b>122 0 282 960</b> | 180      | <b>123 0 467 950</b> | 49         | <b>127 0 081 940</b> | 195      | <b>128 0 232 960</b> | 191           |
| <b>113 0 027 100</b> | 223             | <b>122 0 283 940</b> | 182      | <b>123 0 467 960</b> | 49         | <b>127 0 081 950</b> | 195      | <b>128 0 235 000</b> | 83            |
| <b>119</b>           |                 | <b>122 0 283 950</b> | 182      | <b>123 0 468 940</b> | 49         | <b>127 0 081 960</b> | 195      | <b>128 0 235 940</b> | 83            |
| <b>119 0 031 940</b> | 166             | <b>122 0 283 960</b> | 182      | <b>123 0 468 950</b> | 49         | <b>127 0 082 940</b> | 195      | <b>128 0 235 950</b> | 83            |
| <b>119 0 031 950</b> | 166             | <b>122 0 284 940</b> | 182      | <b>123 0 468 960</b> | 49         | <b>127 0 082 950</b> | 195      | <b>128 0 235 960</b> | 83            |
| <b>119 0 031 960</b> | 166             | <b>122 0 284 950</b> | 182      | <b>123 0 470 940</b> | 49         | <b>127 0 082 960</b> | 195      | <b>128 0 287 000</b> | 191           |
| <b>119 0 032 940</b> | 166             | <b>122 0 284 960</b> | 182      | <b>123 0 470 950</b> | 49         | <b>127 0 098 940</b> | 241, 243 | <b>128 0 287 940</b> | 191           |
| <b>119 0 032 950</b> | 166             | <b>122 0 285 940</b> | 183      | <b>123 0 470 960</b> | 49         | <b>127 0 098 950</b> | 241, 243 | <b>128 0 287 950</b> | 191           |
| <b>119 0 032 960</b> | 166             | <b>122 0 285 950</b> | 183      | <b>123 0 490 940</b> | 49         | <b>127 0 098 960</b> | 241, 243 | <b>128 0 287 960</b> | 191           |
| <b>119 0 033 940</b> | 166             | <b>122 0 285 960</b> | 183      | <b>123 0 490 950</b> | 49         | <b>127 0 181 940</b> | 195      | <b>128 0 294 940</b> | 82, 99        |
| <b>119 0 033 950</b> | 166             | <b>122 0 291 940</b> | 181      | <b>123 0 490 960</b> | 49         | <b>127 0 181 950</b> | 195      | <b>128 0 294 950</b> | 82, 99        |
| <b>119 0 033 960</b> | 166             | <b>122 0 291 950</b> | 181      | <b>123 0 510 941</b> | 49         | <b>127 0 181 960</b> | 195      | <b>128 0 294 960</b> | 82, 99        |
| <b>119 0 034 940</b> | 166             | <b>122 0 291 960</b> | 181      | <b>123 0 510 951</b> | 49         | <b>127 0 182 940</b> | 195      | <b>128 0 346 000</b> | 235           |
| <b>119 0 034 950</b> | 166             | <b>122 0 292 940</b> | 181      | <b>123 0 510 961</b> | 49         | <b>127 0 182 950</b> | 195      | <b>128 0 352 940</b> | 82            |
| <b>119 0 034 960</b> | 166             | <b>122 0 292 950</b> | 181      | <b>123 0 516 940</b> | 231        | <b>127 0 182 960</b> | 195      | <b>128 0 352 950</b> | 82            |
| <b>119 0 035 940</b> | 159             | <b>122 0 292 960</b> | 181      | <b>123 0 517 940</b> | 231        | <b>127 0 189 000</b> | 72       | <b>128 0 352 960</b> | 82            |
| <b>119 0 035 950</b> | 159             | <b>122 0 293 940</b> | 181      | <b>125</b>           |            | <b>127 0 299 940</b> | 22       | <b>128 0 368 940</b> | 83            |
| <b>119 0 035 960</b> | 159             | <b>122 0 293 950</b> | 181      | <b>125 0 145 000</b> | 99         | <b>127 0 299 950</b> | 22       | <b>128 0 368 950</b> | 83            |
| <b>119 0 036 940</b> | 159             | <b>122 0 293 960</b> | 181      | <b>125 0 146 000</b> | 99         | <b>127 0 299 960</b> | 22       | <b>128 0 368 960</b> | 83            |
| <b>119 0 036 950</b> | 159             | <b>122 0 294 940</b> | 181      | <b>125 0 160 940</b> | 72, 82, 99 | <b>127 0 300 940</b> | 22       | <b>128 0 370 000</b> | 81            |
| <b>119 0 036 960</b> | 159             | <b>122 0 294 950</b> | 181      | <b>125 0 160 950</b> | 72, 82, 99 | <b>127 0 300 950</b> | 22       | <b>128 0 431 940</b> | 83            |
| <b>120</b>           |                 | <b>122 0 294 960</b> | 181      | <b>125 0 160 960</b> | 72, 82, 99 | <b>127 0 300 960</b> | 22       | <b>128 0 431 950</b> | 83            |
| <b>120 0 086 000</b> | 246             | <b>122 0 354 940</b> | 191, 195 | <b>125 0 171 000</b> | 98         | <b>127 0 301 940</b> | 22       | <b>128 0 431 960</b> | 83            |
| <b>120 0 089 000</b> | 246             | <b>122 0 354 950</b> | 191, 195 | <b>125 0 177 000</b> | 98         | <b>127 0 301 950</b> | 22       | <b>128 0 552 000</b> | 191           |
| <b>120 0 091 000</b> | 246             | <b>122 0 354 960</b> | 191, 195 | <b>125 0 183 000</b> | 97         | <b>127 0 301 960</b> | 22       | <b>128 0 552 940</b> | 191           |
| <b>120 0 093 000</b> | 246             | <b>122 0 397 940</b> | 116      | <b>125 0 183 940</b> | 97         | <b>127 0 302 940</b> | 22       | <b>128 0 552 950</b> | 191           |
| <b>120 0 094 000</b> | 246             | <b>122 0 398 940</b> | 116      | <b>125 0 183 960</b> | 97         | <b>127 0 302 950</b> | 22       | <b>128 0 552 960</b> | 191           |
| <b>120 0 240 940</b> | 99, 191         | <b>122 0 399 940</b> | 116      | <b>125 0 184 000</b> | 97         | <b>127 0 302 960</b> | 22       | <b>128 0 565 000</b> | 78            |
| <b>120 0 240 950</b> | 99, 191         | <b>122 0 401 940</b> | 117      | <b>125 0 184 940</b> | 97         | <b>127 0 332 940</b> | 22       | <b>128 0 566 000</b> | 78            |
| <b>120 0 240 960</b> | 99, 191         | <b>122 0 401 950</b> | 117      | <b>125 0 184 960</b> | 97         | <b>127 0 332 950</b> | 22       | <b>128 0 585 000</b> | 81            |
| <b>120 0 256 000</b> | 246             | <b>122 0 401 960</b> | 117      | <b>125 0 197 940</b> | 82, 99     | <b>127 0 332 960</b> | 22       | <b>128 0 588 940</b> | 72            |
| <b>120 0 533 000</b> | 247             | <b>122 0 402 940</b> | 117      | <b>125 0 197 950</b> | 82, 99     | <b>127 0 333 940</b> | 22       | <b>128 0 588 950</b> | 72            |
| <b>120 0 620 940</b> | 117, 137        | <b>122 0 402 950</b> | 117      | <b>125 0 197 960</b> | 82, 99     | <b>127 0 333 950</b> | 22       | <b>128 0 588 960</b> | 72            |
| <b>120 0 621 940</b> | 59, 61          | <b>122 0 402 960</b> | 117      | <b>126</b>           |            | <b>127 0 333 960</b> | 22       | <b>128 0 589 940</b> | 72            |
| <b>120 0 622 940</b> | 117, 137        | <b>122 0 403 940</b> | 117      | <b>126 0 129 940</b> | 221        | <b>127 0 390 940</b> | 12       | <b>128 0 589 950</b> | 72            |
| <b>120 0 623 940</b> | 63, 65, 67, 167 | <b>122 0 403 950</b> | 117      | <b>126 0 130 940</b> | 221        | <b>127 0 390 950</b> | 12       | <b>128 0 589 960</b> | 72            |
| <b>122</b>           |                 | <b>122 0 403 960</b> | 117      | <b>126 0 131 940</b> | 221        | <b>127 0 390 960</b> | 12       | <b>128 0 622 940</b> | 83            |
| <b>122 0 066 940</b> | 191             | <b>122 0 404 940</b> | 117      | <b>126 0 132 940</b> | 221        | <b>127 0 391 940</b> | 12       | <b>128 0 622 950</b> | 83            |
| <b>122 0 066 950</b> | 191             | <b>122 0 404 950</b> | 117      | <b>126 0 160 000</b> | 213        | <b>127 0 391 950</b> | 12       | <b>128 0 622 960</b> | 83            |
| <b>122 0 066 960</b> | 191             | <b>122 0 404 960</b> | 117      | <b>126 0 160 060</b> | 213        | <b>127 0 391 960</b> | 12       | <b>128 0 625 940</b> | 82            |
| <b>122 0 134 940</b> | 195             | <b>122 0 408 000</b> | 116      | <b>126 0 205 000</b> | 200        | <b>127 0 392 940</b> | 12       | <b>128 0 625 950</b> | 82            |
| <b>122 0 134 950</b> | 195             | <b>122 0 409 000</b> | 116      | <b>126 0 205 060</b> | 200        | <b>127 0 392 950</b> | 12       | <b>128 0 625 960</b> | 82            |
| <b>122 0 134 960</b> | 195             | <b>122 0 410 000</b> | 116      | <b>126 0 232 000</b> | 205        | <b>127 0 392 960</b> | 12       | <b>128 0 626 940</b> | 135, 159, 166 |
| <b>122 0 207 940</b> | 191             | <b>122 0 411 000</b> | 116      | <b>126 0 232 060</b> | 205        | <b>127 0 393 940</b> | 12       | <b>128 0 626 950</b> | 135, 159, 166 |
| <b>122 0 207 950</b> | 191             | <b>122 0 412 000</b> | 116      | <b>126 0 300 000</b> | 221        | <b>127 0 393 950</b> | 12       | <b>128 0 626 960</b> | 135, 159, 166 |
| <b>122 0 207 960</b> | 191             | <b>122 0 413 000</b> | 116      | <b>126 0 301 000</b> | 221        | <b>127 0 393 960</b> | 12       | <b>128 0 640 940</b> | 72            |
| <b>122 0 208 940</b> | 191             | <b>122 0 414 000</b> | 116      | <b>126 0 302 000</b> | 221        | <b>128</b>           |          | <b>128 0 640 950</b> | 72            |
| <b>122 0 208 950</b> | 191             | <b>122 0 417 940</b> | 116      | <b>126 0 338 000</b> | 208        | <b>128 0 031 940</b> | 82       | <b>128 0 640 960</b> | 72            |
| <b>122 0 208 960</b> | 191             | <b>122 0 418 940</b> | 116      | <b>126 0 338 060</b> | 208        | <b>128 0 031 950</b> | 82       | <b>128 0 641 940</b> | 72            |
| <b>122 0 209 940</b> | 191             | <b>122 0 419 940</b> | 116      | <b>126 0 339 940</b> | 208        | <b>128 0 033 940</b> | 83       | <b>128 0 641 950</b> | 72            |
| <b>122 0 209 950</b> | 191             | <b>122 0 440 940</b> | 116      | <b>126 0 340 000</b> | 203, 208   | <b>128 0 033 950</b> | 83       | <b>128 0 641 960</b> | 72            |
| <b>122 0 209 960</b> | 191             | <b>122 0 441 940</b> | 116      | <b>126 0 341 000</b> | 211        | <b>128 0 033 960</b> | 83       | <b>128 0 653 940</b> | 55            |
| <b>122 0 217 940</b> | 191             | <b>122 0 442 940</b> | 116      | <b>126 0 341 060</b> | 211        | <b>128 0 035 940</b> | 82       | <b>128 0 653 950</b> | 55            |
| <b>122 0 217 950</b> | 191             | <b>123</b>           |          | <b>126 0 342 940</b> | 211        | <b>128 0 035 950</b> | 82       | <b>128 0 653 960</b> | 55            |
| <b>122 0 217 960</b> | 191             | <b>123 0 252 000</b> | 234      | <b>126 0 343 000</b> | 211        | <b>128 0 086 940</b> | 191      | <b>128 0 664 940</b> | 57, 59        |
| <b>122 0 218 940</b> | 191             | <b>123 0 270 000</b> | 234, 235 | <b>126 0 350 940</b> | 216        | <b>128 0 086 950</b> | 191      | <b>128 0 664 950</b> | 57, 59        |
| <b>122 0 218 950</b> | 191             | <b>123 0 367 940</b> | 30       | <b>126 0 371 000</b> | 203        | <b>128 0 086 960</b> | 191      | <b>128 0 664 960</b> | 57, 59        |
| <b>122 0 218 960</b> | 191             | <b>123 0 367 950</b> | 30       | <b>126 0 371 060</b> | 203        | <b>128 0 231 940</b> | 245      | <b>128 0 679 940</b> | 61            |
| <b>122 0 281 940</b> | 180             | <b>123 0 367 960</b> | 30       | <b>126 0 372 940</b> | 203        | <b>128 0 231 950</b> | 245      | <b>128 0 679 950</b> | 61            |
| <b>122 0 281 950</b> | 180             | <b>123 0 370 000</b> | 30       | <b>126 0 378 940</b> | 208        | <b>128 0 231 960</b> | 245      | <b>128 0 679 960</b> | 61            |
| <b>122 0 281 960</b> | 180             | <b>123 0 430 000</b> | 223      | <b>126 0 379 940</b> | 208        | <b>128 0 232 940</b> | 191      |                      |               |
| <b>122 0 282 940</b> | 180             | <b>123 0 440 940</b> | 223      | <b>126 0 380 940</b> | 211        |                      |          |                      |               |
|                      |                 | <b>123 0 444 000</b> | 223      | <b>126 0 381 940</b> | 211        |                      |          |                      |               |

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|----------------------|---------------------------------------------------------|----------------------|----------|----------------------|------------------------------------------------------|----------------------|------------------|----------------------|----------------------------------------------|
| <b>128 0 700 940</b> | 63, 65,<br>67, 72, 82                                   | <b>128 0 797 950</b> | 93       | <b>129 0 390 940</b> | 72,<br>82, 99, 167                                   | <b>129 0 602 950</b> | 143              | <b>135 0 427 960</b> | 97                                           |
| <b>128 0 700 950</b> | 63, 65,<br>67, 72, 82                                   | <b>128 0 797 960</b> | 93       | <b>129 0 390 950</b> | 72,<br>82, 167                                       | <b>129 0 602 951</b> | 143              | <b>226</b>           |                                              |
| <b>128 0 700 960</b> | 63, 65,<br>67, 72, 82                                   | <b>128 0 798 940</b> | 93       | <b>129 0 390 960</b> | 72,<br>82, 167                                       | <b>129 0 602 960</b> | 143              | <b>226 0 161 000</b> | 200,<br>205, 208, 211,<br>213, 216, 217, 221 |
| <b>128 0 730 940</b> | 63, 65,<br>67, 72, 82                                   | <b>128 0 798 950</b> | 93       | <b>129 0 399 940</b> | 148                                                  | <b>129 0 602 961</b> | 143              | <b>232</b>           |                                              |
| <b>128 0 730 950</b> | 63, 65,<br>67, 72, 82                                   | <b>128 0 798 960</b> | 93       | <b>129 0 399 950</b> | 148                                                  | <b>129 0 627 000</b> | 167              | <b>232 0 150 000</b> | 191, 195                                     |
| <b>128 0 730 960</b> | 63, 65,<br>67, 72, 82                                   | <b>128 0 799 940</b> | 93       | <b>129 0 399 960</b> | 148                                                  | <b>129 0 647 000</b> | 167              | <b>238</b>           |                                              |
| <b>128 0 738 940</b> | 55,<br>57, 59, 61, 117                                  | <b>128 0 799 950</b> | 93       | <b>129 0 451 000</b> | 151                                                  | <b>129 0 653 000</b> | 167              | <b>238 1 205 000</b> | 57                                           |
| <b>128 0 738 950</b> | 55,<br>57, 59, 61, 117                                  | <b>128 0 801 940</b> | 82, 117  | <b>129 0 453 000</b> | 151                                                  | <b>129 0 681 000</b> | 165              | <b>238 1 206 000</b> | 61, 72                                       |
| <b>128 0 738 960</b> | 55,<br>57, 59, 61, 117                                  | <b>128 0 801 950</b> | 82, 117  | <b>129 0 457 000</b> | 151                                                  | <b>129 0 683 000</b> | 165              | <b>238 1 207 000</b> | 63                                           |
| <b>128 0 739 940</b> | 55,<br>57, 59, 61, 117                                  | <b>128 0 801 960</b> | 82, 117  | <b>129 0 458 000</b> | 151                                                  | <b>129 0 687 000</b> | 165              | <b>238 1 222 000</b> | 49                                           |
| <b>128 0 739 950</b> | 55,<br>57, 59, 61, 117                                  | <b>128 0 802 940</b> | 93       | <b>129 0 459 000</b> | 151                                                  | <b>129 0 688 000</b> | 165              | <b>238 1 242 000</b> | 67                                           |
| <b>128 0 739 960</b> | 55,<br>57, 59, 61, 117                                  | <b>128 0 802 950</b> | 93       | <b>129 0 460 000</b> | 151                                                  | <b>129 0 699 940</b> | 121              | <b>8 201</b>         |                                              |
| <b>128 0 751 940</b> | 55                                                      | <b>128 0 802 960</b> | 93       | <b>129 0 461 000</b> | 151                                                  | <b>129 0 699 950</b> | 121              | <b>8 201 045 018</b> | 103                                          |
| <b>128 0 751 941</b> | 55                                                      | <b>128 0 803 940</b> | 93       | <b>129 0 461 000</b> | 151                                                  | <b>129 0 722 940</b> | 137              | <b>8 201 045 048</b> | 103                                          |
| <b>128 0 751 950</b> | 55                                                      | <b>128 0 803 950</b> | 93       | <b>129 0 489 000</b> | 128<br>135, 159, 165                                 | <b>129 0 722 950</b> | 137              | <b>8 201 045 058</b> | 102                                          |
| <b>128 0 751 951</b> | 55                                                      | <b>128 0 803 960</b> | 93       | <b>129 0 490 000</b> | 128<br>135, 159, 165                                 | <b>129 0 722 960</b> | 137              | <b>8 201 046 018</b> | 103                                          |
| <b>128 0 751 960</b> | 55                                                      | <b>128 0 804 940</b> | 93       | <b>129 0 491 000</b> | 128<br>135, 159, 165                                 | <b>129 0 723 940</b> | 137              | <b>8 201 046 028</b> | 103                                          |
| <b>128 0 751 961</b> | 55                                                      | <b>128 0 804 950</b> | 93       | <b>129 0 498 940</b> | 141                                                  | <b>129 0 723 950</b> | 137              | <b>8 201 046 038</b> | 103                                          |
| <b>128 0 752 941</b> | 57, 59                                                  | <b>128 0 804 960</b> | 93       | <b>129 0 498 950</b> | 141                                                  | <b>129 0 723 960</b> | 137              | <b>8 201 046 048</b> | 103                                          |
| <b>128 0 752 951</b> | 57, 59                                                  | <b>128 0 807 000</b> | 93       | <b>129 0 499 940</b> | 143                                                  | <b>129 0 724 940</b> | 137              | <b>8 201 046 058</b> | 102                                          |
| <b>128 0 752 961</b> | 57, 59                                                  | <b>128 0 808 000</b> | 93       | <b>129 0 499 950</b> | 143                                                  | <b>129 0 724 950</b> | 137              | <b>8 201 055 018</b> | 103                                          |
| <b>128 0 753 941</b> | 61                                                      | <b>128 0 809 000</b> | 93       | <b>129 0 500 940</b> | 121,<br>141, 143                                     | <b>129 0 724 960</b> | 137              | <b>8 201 055 048</b> | 103                                          |
| <b>128 0 753 951</b> | 61                                                      | <b>128 0 810 000</b> | 93       | <b>129 0 500 950</b> | 121,<br>141, 143                                     | <b>129 0 725 940</b> | 137              | <b>8 201 055 058</b> | 102                                          |
| <b>128 0 753 961</b> | 61                                                      | <b>128 0 811 000</b> | 93       | <b>129 0 500 960</b> | 121,<br>141, 143                                     | <b>129 0 725 950</b> | 137              | <b>8 201 056 018</b> | 103                                          |
| <b>128 0 760 940</b> | 55, 57,<br>59, 61, 63, 65, 67,<br>72, 83, 121, 141, 143 | <b>128 0 812 000</b> | 93       | <b>129 0 502 940</b> | 55, 57,<br>59, 61, 63, 65, 67,<br>117, 137, 141, 143 | <b>129 0 725 960</b> | 137              | <b>8 201 056 028</b> | 103                                          |
| <b>128 0 760 950</b> | 55, 57,<br>59, 61, 63, 65, 67,<br>72, 83, 121, 141, 143 | <b>128 0 813 000</b> | 83       | <b>129 0 502 950</b> | 55, 57,<br>59, 61, 63, 65, 67,<br>117, 137, 141, 143 | <b>129 0 728 940</b> | 136              | <b>8 201 056 038</b> | 103                                          |
| <b>128 0 760 960</b> | 55, 57,<br>59, 61, 63, 65, 67,<br>72, 83, 121, 141, 143 | <b>128 0 814 940</b> | 63, 65   | <b>129 0 502 960</b> | 55, 57,<br>59, 61, 63, 65, 67,<br>117, 137, 141, 143 | <b>129 0 729 940</b> | 136              | <b>8 201 056 048</b> | 103                                          |
| <b>128 0 761 940</b> | 55                                                      | <b>128 0 814 950</b> | 63, 65   | <b>129 0 551 000</b> | 128<br>135, 159, 165                                 | <b>129 0 730 940</b> | 136              | <b>8 201 056 058</b> | 102                                          |
| <b>128 0 761 950</b> | 55                                                      | <b>128 0 814 960</b> | 63, 65   | <b>129 0 553 000</b> | 128<br>135, 159, 165                                 | <b>129 0 731 940</b> | 117,<br>121, 137 | <b>8 201 065 018</b> | 103                                          |
| <b>128 0 761 960</b> | 55                                                      | <b>128 0 815 940</b> | 63, 65   | <b>129 0 557 000</b> | 128<br>135, 159, 165                                 | <b>129 0 731 950</b> | 117,<br>121, 137 | <b>8 201 065 048</b> | 103                                          |
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| <b>128 0 762 950</b> | 57, 59                                                  | <b>128 0 815 960</b> | 63, 65   | <b>129 0 578 940</b> | 165                                                  | <b>129 0 732 000</b> | 136              | <b>8 201 066 028</b> | 103                                          |
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| <b>128 0 763 940</b> | 61                                                      | <b>128 0 816 951</b> | 63       | <b>129 0 578 960</b> | 165                                                  | <b>129 0 734 000</b> | 136              | <b>8 201 066 048</b> | 103                                          |
| <b>128 0 763 950</b> | 61                                                      | <b>128 0 816 961</b> | 63       | <b>129 0 580 000</b> | 167                                                  | <b>129 0 735 000</b> | 136              | <b>8 202</b>         |                                              |
| <b>128 0 763 960</b> | 61                                                      | <b>128 0 827 940</b> | 76       | <b>129 0 581 000</b> | 165                                                  | <b>129 0 736 940</b> | 117, 137         | <b>8 202 045 018</b> | 105                                          |
| <b>128 0 792 940</b> | 93                                                      | <b>128 0 860 941</b> | 67       | <b>129 0 583 000</b> | 165                                                  | <b>129 0 736 950</b> | 117, 137         | <b>8 202 045 048</b> | 105                                          |
| <b>128 0 792 950</b> | 93                                                      | <b>128 0 860 951</b> | 67       | <b>129 0 587 000</b> | 165                                                  | <b>129 0 736 960</b> | 117, 137         | <b>8 202 045 058</b> | 104                                          |
| <b>128 0 792 960</b> | 93                                                      | <b>128 0 860 961</b> | 67       | <b>129 0 591 940</b> | 165                                                  | <b>129 0 751 000</b> | 136              | <b>8 202 045 068</b> | 104                                          |
| <b>128 0 793 940</b> | 93                                                      | <b>128 0 861 940</b> | 67       | <b>129 0 591 950</b> | 165                                                  | <b>129 0 752 000</b> | 136              | <b>8 202 045 098</b> | 104                                          |
| <b>128 0 793 950</b> | 93                                                      | <b>128 0 861 950</b> | 67       | <b>129 0 591 960</b> | 165                                                  | <b>129 0 753 000</b> | 136              | <b>8 202 046 018</b> | 105                                          |
| <b>128 0 793 960</b> | 93                                                      | <b>128 0 861 960</b> | 67       | <b>129 0 602 940</b> | 143                                                  | <b>129 0 754 000</b> | 136              | <b>8 202 046 028</b> | 105                                          |
| <b>128 0 794 940</b> | 93                                                      | <b>128 0 862 940</b> | 67       | <b>129 0 602 941</b> | 143                                                  | <b>129 0 780 000</b> | 128, 135         | <b>8 202 046 048</b> | 105                                          |
| <b>128 0 794 950</b> | 93                                                      | <b>128 0 862 950</b> | 67       |                      |                                                      | <b>129 0 790 940</b> | 137              | <b>8 202 046 058</b> | 104                                          |
| <b>128 0 794 960</b> | 93                                                      | <b>128 0 862 960</b> | 67       |                      |                                                      | <b>129 0 790 950</b> | 137              | <b>8 202 046 068</b> | 104                                          |
| <b>128 0 797 940</b> | 93                                                      | <b>128 0 862 960</b> | 67       |                      |                                                      | <b>129 0 790 960</b> | 137              | <b>8 202 046 078</b> | 105                                          |
|                      |                                                         | <b>128 0 891 000</b> | 83       |                      |                                                      | <b>129 0 791 940</b> | 137              | <b>8 202 046 098</b> | 104                                          |
|                      |                                                         | <b>128 0 893 000</b> | 83       |                      |                                                      | <b>129 0 791 950</b> | 137              | <b>8 202 055 018</b> | 105                                          |
|                      |                                                         | <b>128 0 897 000</b> | 83       |                      |                                                      | <b>129 0 791 960</b> | 137              | <b>8 202 055 048</b> | 105                                          |
|                      |                                                         | <b>128 0 898 000</b> | 83       |                      |                                                      | <b>129 0 792 940</b> | 137              | <b>8 202 055 058</b> | 104                                          |
|                      |                                                         | <b>128 0 908 000</b> | 93       |                      |                                                      | <b>129 0 792 950</b> | 137              | <b>8 202 055 068</b> | 104                                          |
|                      |                                                         | <b>128 0 909 940</b> | 93       |                      |                                                      | <b>129 0 792 960</b> | 137              | <b>8 202 056 018</b> | 105                                          |
|                      |                                                         | <b>128 0 909 950</b> | 93       |                      |                                                      | <b>129 0 793 940</b> | 137              | <b>8 202 056 028</b> | 105                                          |
|                      |                                                         | <b>128 0 909 960</b> | 93       |                      |                                                      | <b>129 0 793 950</b> | 137              | <b>8 202 056 048</b> | 105                                          |
|                      |                                                         | <b>128 0 910 000</b> | 93       |                      |                                                      | <b>129 0 793 960</b> | 137              | <b>8 202 056 058</b> | 104                                          |
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|                      |                                                         | <b>129 0 257 000</b> | 159, 165 |                      |                                                      | <b>135 0 412 000</b> | 98               | <b>8 202 056 078</b> | 105                                          |
|                      |                                                         | <b>129 0 320 940</b> | 165      |                      |                                                      | <b>135 0 427 000</b> | 97               | <b>8 202 056 098</b> | 104                                          |
|                      |                                                         | <b>129 0 320 950</b> | 165      |                      |                                                      | <b>135 0 427 940</b> | 97               | <b>8 202 065 018</b> | 105                                          |
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| 8 202 066 028 | 105  | 8 203 056 058 | 106  | 8 204 046 058 | 108  | 8 204 269 018 | 115  | 8 251 466 048 | 172  |
| 8 202 066 048 | 105  | 8 203 056 068 | 106  | 8 204 046 068 | 108  | 8 204 269 048 | 115  | 8 251 466 058 | 172  |
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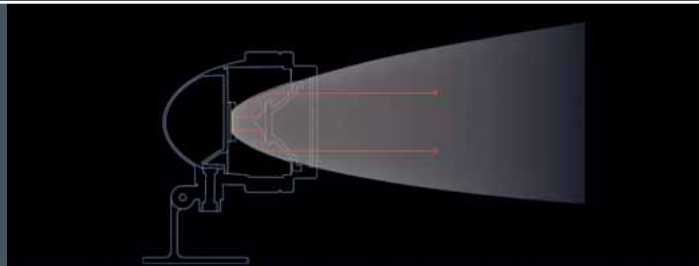
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| 8 965 656 028 | 149  | 8 983 065 048 | 152  | 8 986 066 048 | 154  | 8 987 049 048 | 158  |               |      |
| 8 965 656 058 | 149  | 8 983 066 018 | 152  | 8 986 066 058 | 154  | 8 987 049 058 | 158  |               |      |
| 8 965 665 018 | 149  | 8 983 066 048 | 152  | 8 986 069 018 | 155  | 8 987 054 018 | 158  |               |      |
| 8 965 665 028 | 149  | 8 983 066 058 | 152  | 8 986 069 038 | 155  | 8 987 054 048 | 158  |               |      |
| 8 965 665 058 | 149  | 8 983 066 078 | 152  | 8 986 069 048 | 155  | 8 987 054 058 | 158  |               |      |
| 8 965 666 018 | 149  | 8 983 145 018 | 153  | 8 986 145 018 | 156  | 8 987 059 018 | 158  |               |      |
| 8 965 666 028 | 149  | 8 983 145 048 | 153  | 8 986 145 048 | 156  | 8 987 059 048 | 158  |               |      |
| 8 965 666 058 | 149  | 8 983 146 018 | 153  | 8 986 145 058 | 156  | 8 987 064 018 | 158  |               |      |
| 8 975         |      | 8 983 146 048 | 153  | 8 986 146 018 | 156  | 8 987 064 048 | 158  |               |      |
| 8 975 045 018 | 151  | 8 983 146 058 | 153  | 8 986 146 048 | 156  | 8 987 064 058 | 158  |               |      |
| 8 975 046 018 | 151  | 8 983 146 078 | 153  | 8 986 146 058 | 156  | 8 987 069 018 | 158  |               |      |
| 8 975 055 018 | 151  | 8 983 155 018 | 153  | 8 986 149 018 | 157  | 8 987 069 048 | 158  |               |      |
| 8 975 056 018 | 151  | 8 983 155 048 | 153  | 8 986 149 038 | 157  | 8 987 069 058 | 158  |               |      |
| 8 975 065 018 | 151  | 8 983 156 018 | 153  | 8 986 155 018 | 156  | 8 987 244 018 | 164  |               |      |
| 8 975 066 018 | 151  | 8 983 156 048 | 153  | 8 986 155 048 | 156  | 8 987 244 048 | 164  |               |      |
| 8 980         |      | 8 983 156 058 | 153  | 8 986 155 058 | 156  | 8 987 244 058 | 164  |               |      |
| 8 980 045 018 | 140  | 8 983 156 078 | 153  |               |      |               |      |               |      |

## Internet



The Meyer website offers current information on products, projects and our company. Photometric files (LDT and IES-format) and product data sheets can be downloaded for each luminaire.

## Optical systems



The precise and efficient lighting technology supplied by Meyer has become a benchmark in the industry. The centerpiece is the development of innovative reflectors and optical lenses. Depending on the area of application, we offer optimized systems for directing light. This combined with perfect glare control ensures a high level of visual comfort.

## LED Technology



The high quality level of Meyer LED products is ensured by the use of top quality components and by efficient heat management. The binnings of the LED modules of all luminaires we manufacture are registered and documented. This enables us to ensure continuity of colour temperature and brightness if we have to supply replacements or additional quantities for existing projects.

## Customization/special finishes



Customised solutions and modifications of the luminaires are possible. Special colours can be applied as polyester powder coat. We always use a corrosion resistant low copper aluminium alloy (EN AL AlSi12). If the luminaires are to be installed in an area where they are likely to come into contact with salt water or other corrosive substances, we strongly recommend a special two layer paint system consisting of an epoxy powder primer, baked and followed by polyester powder topcoat.





**Sole stockist and distributor in the U.K.**

Commercial Lighting Systems Ltd

Units 16/17, Chandlers Way

Swanwick,

Southampton SO31 1FQ

Phone: +44 (0) 1489 581002

Fax: +44 (0) 1489 576262

E-mail: [sales@commercial-lighting.co.uk](mailto:sales@commercial-lighting.co.uk)

