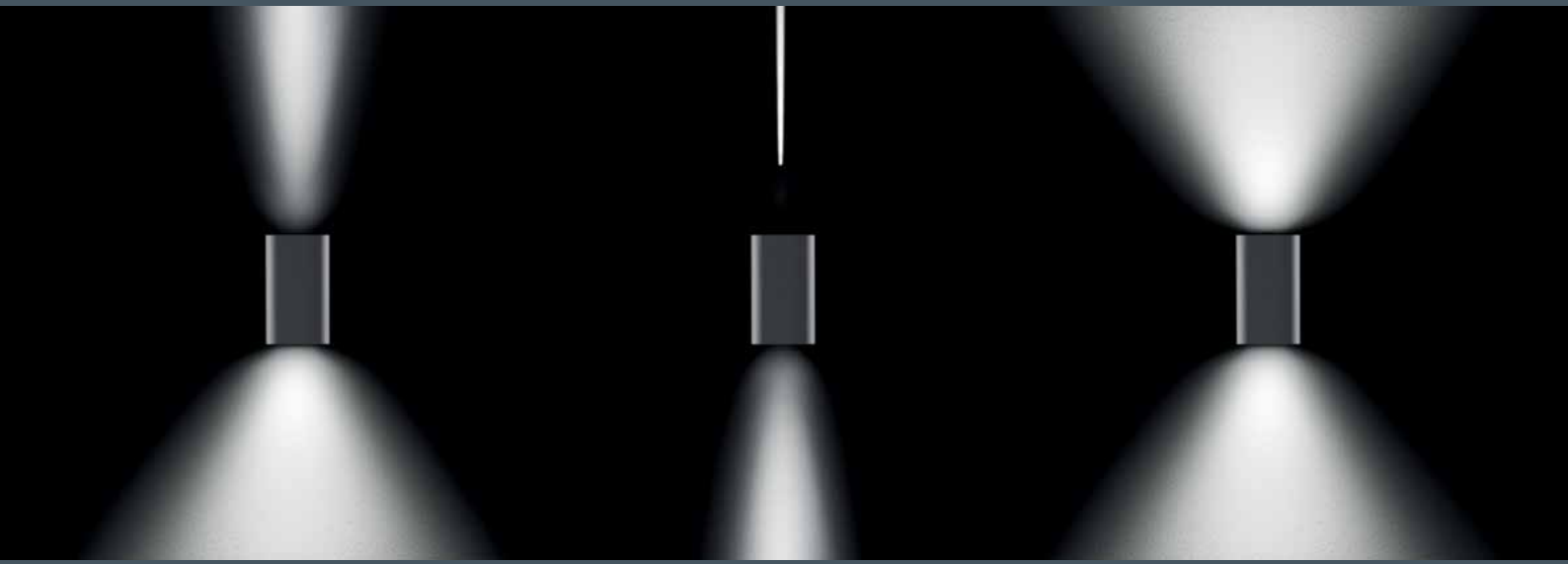




Exterior Lighting 2020/2022





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





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



8 Ecoline Mini **18** Ecoline **30** Arclux Mini **31** Arclux/RGBW



34 Highline **35** Highline with wall arm **38** Expolux **39** Expolux with wall arm **42** Ecovision Mini **43** Ecovision Mini with wall arm **44** Ecovision **45** Ecovision with wall arm



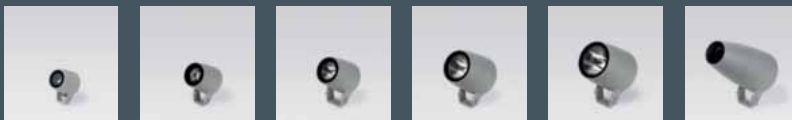
48 Nanocube **54** Superlight Nano 1 **56** Superlight Nano 2 **60** Superlight Nano 3 **62** Superlight Nano 4/RGBW **66** Superlight Nano 5 **70** Superlight Compact Micro/RGB **73** Superlight Compact/LED



86 Superlight LED 1 **87** Superlight LED 2 **88** Superlight LED 3/3+ **94** Ecolum **96** LED floodlights



102 Monoflood 1 ● **104** Monoflood 2 ● **106** Monoflood 3 ● **108** Monoflood 4 ●



120 Monospot Mini ● **122** Monospot 1 **123** Monospot 2 **124** Monospot 3 **127** Monospot 4 **128** Monospot Gobo Projector



138 Ecospot **148** Nightspot A **151** Nightspot A Gobo Projector **152** Nightspot A2 **154** Nightspot B/RGBW **158** Nightspot B Gobo Projector/RGBW



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91 Superlight LED 2 pole luminaire
92 Superlight LED 3 pole luminaire
110 Monoflood 2 pole luminaire
112 Monoflood 3 pole luminaire/ RGBW
114 Monoflood 4 pole luminaire/ RGBW



129 Monospot 2 pole luminaire
130 Monospot 3 pole luminaire
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134 Monospot Gobo Projector pole luminaire
160 Nightspot A2 pole luminaire
161 Nightspot B pole luminaire/ RGBW
164 Nightspot B Gobo Projector pole luminaire/RGBW

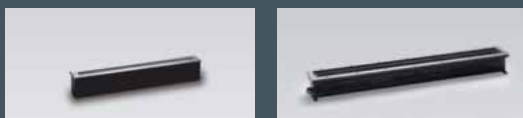


170 Monospace •
171 Monospace • pole-top luminaire
178 Ecoscape 1
179 Ecoscape 2
186 Fluxa Mini/Mini G
188 Fluxa A/B
192 Fluxa AG/BG
196 Fluxa A pole-top luminaire

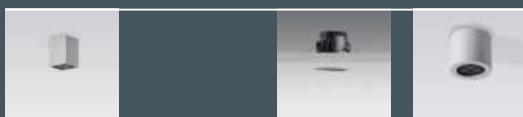


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Ecoline is a luminaire series with wall washer, asymmetric, narrow or wide beam light distribution and comes in various different lengths. In addition to stand alone luminaires, there is also a modular system for creating continuous lines with hardly 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.





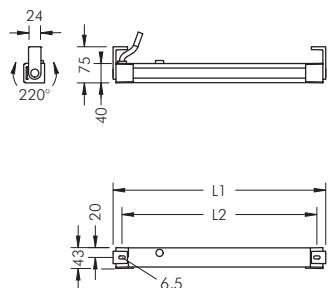
Design: Roy Fleetwood



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



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

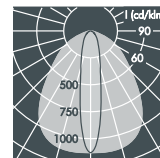
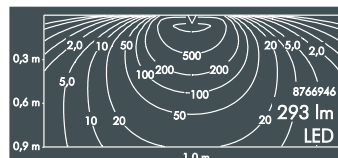


Ecoline Mini

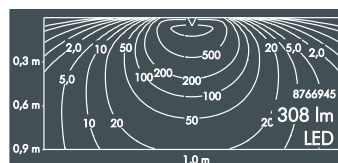
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP65 $\diamond \triangle \triangle$, IK10 housing made of extruded aluminium and corrosion-resistant die cast aluminium AlSi12, polyester powder coated, all exterior steel parts are stainless steel, polycarbonate cover, silicon gasket, mounting flanges: 2 elongated holes \varnothing 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)	
8 766 946 009	black	1.1 kg	3 x LED 1.8 W	293 lm	C 0 – 180	C 90 – 270
8 766 966 009	white		(5 W)		20°	88°
8 766 956 009	silver grey		warm white (3000 K)			

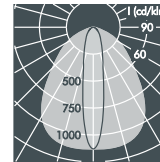
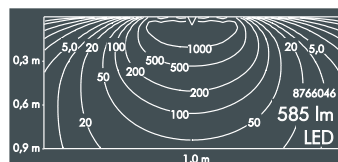


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 766 945 009	black	1.1 kg	3 x LED 1.8 W	308 lm	C 0 – 180	C 90 – 270
8 766 965 009	white		(5 W)		20°	88°
8 766 955 009	silver grey		neutral white (4000 K)			

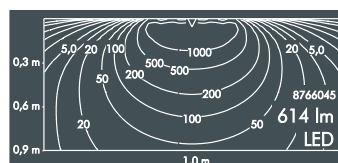


Ecoline Mini, wall washer, L1 = 668 mm, L2 = 631 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 766 046 009	black	1.5 kg	6 x LED 1.8 W	585 lm	C 0 – 180	C 90 – 270
8 766 066 009	white		(11 W)		20°	88°
8 766 056 009	silver grey		warm white (3000 K)			

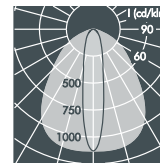
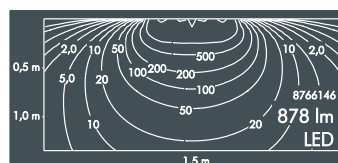


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 766 045 009	black	1.5 kg	6 x LED 1.8 W	614 lm	C 0 – 180	C 90 – 270
8 766 065 009	white		(11 W)		20°	88°
8 766 055 009	silver grey		neutral white (4000 K)			

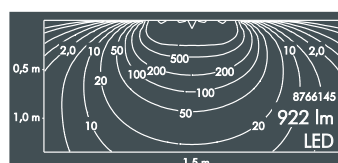


Ecoline Mini, wall washer, L1 = 962 mm, L2 = 925 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 766 146 009	black	2.1 kg	9 x LED 1.8 W	878 lm	C 0 – 180	C 90 – 270
8 766 166 009	white		(16 W)		20°	88°
8 766 156 009	silver grey		warm white (3000 K)			



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 766 145 009	black	2.1 kg	9 x LED 1.8 W	922 lm	C 0 – 180	C 90 – 270
8 766 165 009	white		(16 W)		20°	88°
8 766 155 009	silver grey		neutral white (4000 K)			

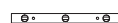


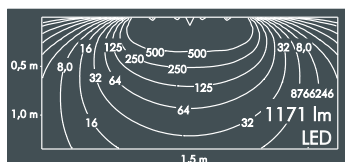
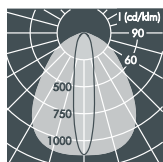
Part number	Description
. 1..	Dimmable luminaire (DALI)
. 2..	Dimmable luminaire (1-10 V)

* Not available for luminaire L1 = 444 mm

LED (see page 215)

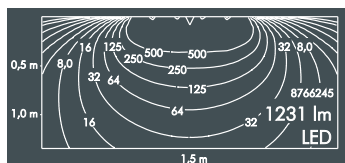
luminaires available in 2700 K and other colour temperatures upon request





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

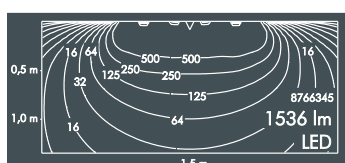
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 766 246 009	black	2.5 kg	12 x LED 1.8 W (22 W) warm white (3000 K)	1171 lm	C 0 – 180	C 90 – 270
8 766 266 009	white				20°	88°
8 766 256 009	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 766 245 009	black	2.5 kg	12 x LED 1.8 W (22 W) neutral white (4000 K)	1231 lm	C 0 – 180	C 90 – 270
8 766 265 009	white				20°	88°
8 766 255 009	silver grey					

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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 766 346 009	black	3.0 kg	15 x LED 1.8 W (27 W) warm white (3000 K)	1463 lm	C 0 – 180	C 90 – 270
8 766 366 009	white				20°	88°
8 766 356 009	silver grey					



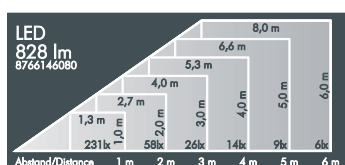
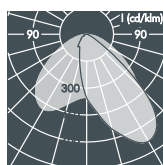
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 766 345 009	black	3.0 kg	15 x LED 1.8 W (27 W) neutral white (4000 K)	1536 lm	C 0 – 180	C 90 – 270
8 766 365 009	white				20°	88°
8 766 355 009	silver grey					



Ecoline Mini, asymmetrical beam**

Part number	Description
.....8.	Luminaires with asymmetrical distribution

** The luminaires are available in 5 different lengths.



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

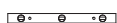
Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 766 146 089	black	2.1 kg	9 x LED 1.8 W (16 W) warm white (3000 K)	828 lm	30°
8 766 166 089	white				
8 766 156 089	silver grey				

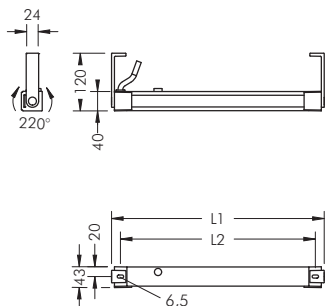
Part number	Description
.....1..	Dimmable luminaire (DALI)
.....2..	Dimmable luminaire (1-10 V)

* Not available for luminaire L1 = 444 mm


LED (see page 215)

Luminaires available in 2700 K and other colour temperatures upon request



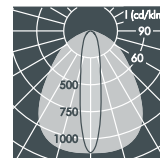
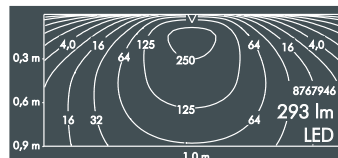


Ecoline Mini with wall arms

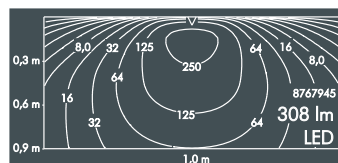
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP65 , IK10 housing made of extruded aluminium and corrosion-resistant die cast aluminium AlSi12, polyester powder coated, all exterior steel 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)	
8 767 946 009	black	1.1 kg	3 x LED 1.8 W (5 W)	293 lm	C 0 – 180	C 90 – 270
8 767 966 009	white				20°	88°
8 767 956 009	silver grey					

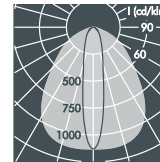
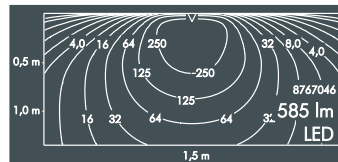


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 767 945 009	black	1.1 kg	3 x LED 1.8 W (5 W)	308 lm	C 0 – 180	C 90 – 270
8 767 965 009	white				20°	88°
8 767 955 009	silver grey					

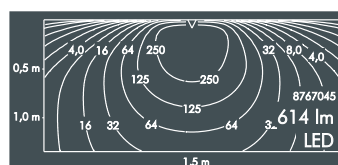


Ecoline Mini, wall washer with wall arms, L1 = 668 mm, L2 = 631 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 767 046 009	black	1.5 kg	6 x LED 1.8 W (11 W)	585 lm	C 0 – 180	C 90 – 270
8 767 066 009	white				20°	88°
8 767 056 009	silver grey					

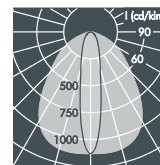
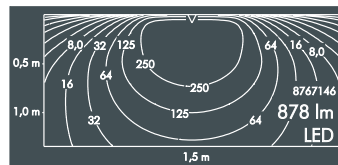


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 767 045 009	black	1.5 kg	6 x LED 1.8 W (11 W)	614 lm	C 0 – 180	C 90 – 270
8 767 065 009	white				20°	88°
8 767 055 009	silver grey					

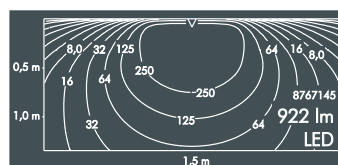


Ecoline Mini, wall washer with wall arms, L1 = 962 mm, L2 = 925 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 767 146 009	black	2.1 kg	9 x LED 1.8 W (16 W)	878 lm	C 0 – 180	C 90 – 270
8 767 166 009	white				20°	88°
8 767 156 009	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 767 145 009	black	2.1 kg	9 x LED 1.8 W (16 W)	922 lm	C 0 – 180	C 90 – 270
8 767 165 009	white				20°	88°
8 767 155 009	silver grey					

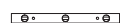


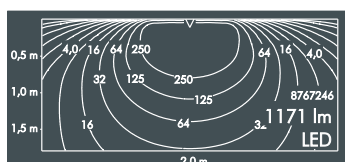
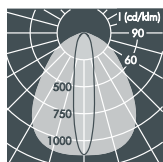
Part number	Description
. 1..	Dimmable luminaire (DALI)
. 2..	Dimmable luminaire (1-10 V)

* Not available for luminaire L1 = 444 mm

LED (see page 247)

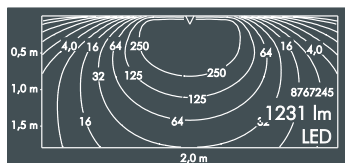
luminaires available in 2700 K and other colour temperatures upon request





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

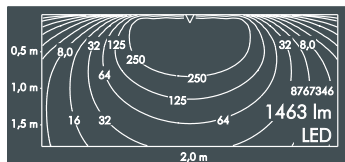
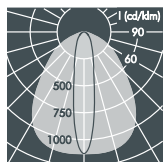
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 767 246 009	black	2.5 kg	12 x LED 1.8 W (22 W)	1171 lm	C 0 – 180	C 90 – 270
8 767 266 009	white				20°	88°
8 767 256 009	silver grey					



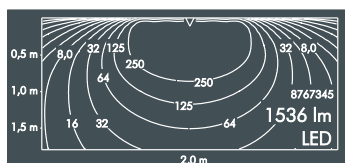
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 767 245 009	black	2.5 kg	12 x LED 1.8 W (22 W)	1231 lm	C 0 – 180	C 90 – 270
8 767 265 009	white				20°	88°
8 767 255 009	silver grey					

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)	
8 767 346 009	black	3.0 kg	15 x LED 1.8 W (27 W)	1463 lm	C 0 – 180	C 90 – 270
8 767 366 009	white				20°	88°
8 767 356 009	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 767 345 009	black	3.0 kg	15 x LED 1.8 W (27 W)	1536 lm	C 0 – 180	C 90 – 270
8 767 365 009	white				20°	88°
8 767 355 009	silver grey					

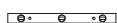


Part number	Description
• • • • • 1 • •	Dimmable luminaire (DALI)
• • • • • 2 • •	Dimmable luminaire (1-10 V)

* Not available for luminaire L1 = 444 mm

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



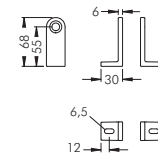


Ecoline Mini S Modular System

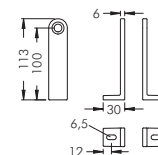
The luminaire modules are joined together in continuous runs. The luminaire system is installed using either wall flanges or wall arms. The wall arms increase the distance between the luminaire and the surface to be illuminated, thus increasing the uniformity of light distribution.

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	Wall flange set, (pair) for outer luminaires
127 0 392 960	white	
127 0 392 950	silver grey	

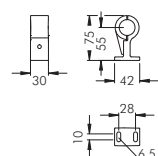


Mounting components for Ecoline Mini S Modular System		
Part number	Colour	Description
127 0 393 940	black	Wall arm set, (pair) for outer luminaires, length 100 mm
127 0 393 960	white	
127 0 393 950	silver grey	

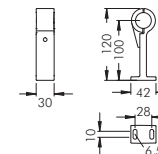


To connect two luminaires together, either one connection flange **or** one connection arm is required. The number of these connection parts required equals the total number of luminaires minus 1.

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

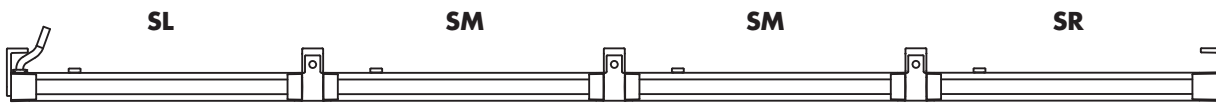
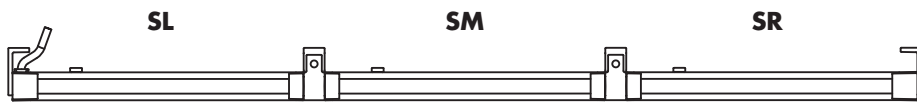
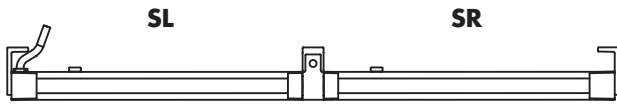


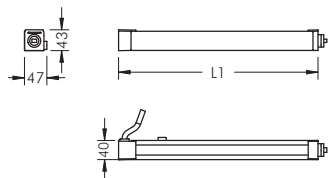
Mounting components for Ecoline Mini S Modular System		
Part number	Colour	Description
127 0 391 940	black	Connection arm, to connect two luminaires, length 100 mm
127 0 391 960	white	
127 0 391 950	silver grey	



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.



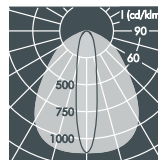


Ecoline Mini SL Modular System, left

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)

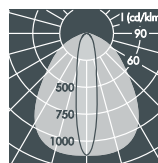
Ecoline Mini SL, left, wall washer, L1 = 641 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 768 046 009	black	1.5 kg	6 x LED 1.8 W (11 W)	585 lm	C 0 – 180	C 90 – 270
8 768 066 009	white				20°	88°
8 768 056 009	silver grey					



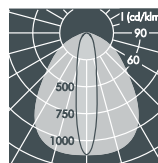
Ecoline Mini SL, left, wall washer, L1 = 935 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 768 146 009	black	2.1 kg	9 x LED 1.8 W (16 W)	878 lm	C 0 – 180	C 90 – 270
8 768 166 009	white				20°	88°
8 768 156 009	silver grey					



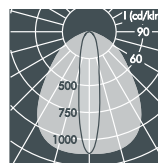
Ecoline Mini SL, left, wall washer, L1 = 1229 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 768 246 009	black	2.5 kg	12 x LED 1.8 W (22 W)	1171 lm	C 0 – 180	C 90 – 270
8 768 266 009	white				20°	88°
8 768 256 009	silver grey					



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 768 346 009	black	3.0 kg	15 x LED 1.8 W (27 W)	1463 lm	C 0 – 180	C 90 – 270
8 768 366 009	white				20°	88°
8 768 356 009	silver grey					



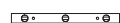
Ecoline Mini SL, left, wall washer

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.

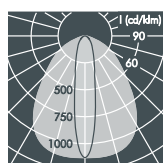
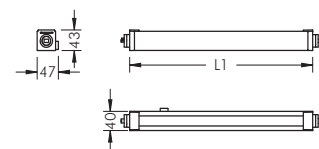
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



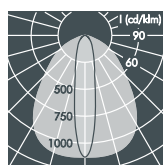
Ecoline Mini SM Modular System, middle

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)



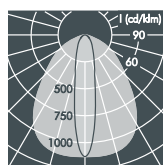
Ecoline Mini SM, middle, wall washer, L1 = 625 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 769 046 009	black	1.5 kg	6 x LED 1.8 W (11 W) warm white (3000 K)	585 lm	C 0 – 180	C 90 – 270
8 769 066 009	white				20°	88°
8 769 056 009	silver grey					



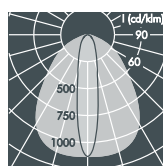
Ecoline Mini SM, middle, wall washer, L1 = 919 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 769 146 009	black	2.1 kg	9 x LED 1.8 W (16 W) warm white (3000 K)	878 lm	C 0 – 180	C 90 – 270
8 769 166 009	white				20°	88°
8 769 156 009	silver grey					



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 769 246 009	black	2.5 kg	12 x LED 1.8 W (22 W) warm white (3000 K)	1171 lm	C 0 – 180	C 90 – 270
8 769 266 009	white				20°	88°
8 769 256 009	silver grey					



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 769 346 009	black	3.0 kg	15 x LED 1.8 W (27 W) warm white (3000 K)	1463 lm	C 0 – 180	C 90 – 270
8 769 366 009	white				20°	88°
8 769 356 009	silver grey					

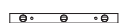
Ecoline Mini SM, middle, wall washer

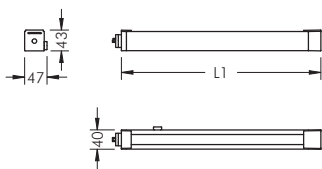
Part number	Description
... 5 ...	Luminaire with neutral white colour temperature (4000 K)
... 1 ..	Dimmable luminaire (DALI)
... 2 ..	Dimmable luminaire (1-10 V)

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

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



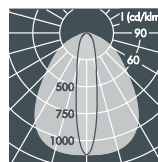


Ecoline Mini SR Modular System, right

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)

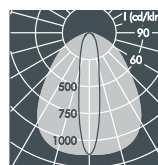
Ecoline Mini SR, right, wall washer, L1 = 641 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 770 046 009	black	1.5 kg	6 x LED 1.8 W (11 W)	585 lm	C 0 - 180	C 90 - 270
8 770 066 009	white				20°	88°
8 770 056 009	silver grey					



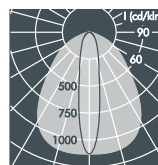
Ecoline Mini SR, right, wall washer, L1 = 935 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 770 146 009	black	2.1 kg	9 x LED 1.8 W (16 W)	878 lm	C 0 - 180	C 90 - 270
8 770 166 009	white				20°	88°
8 770 156 009	silver grey					



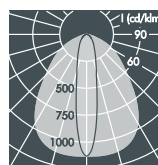
Ecoline Mini SR, right, wall washer, L1 = 1229 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 770 246 009	black	2.5 kg	12 x LED 1.8 W (22 W)	1171 lm	C 0 - 180	C 90 - 270
8 770 266 009	white				20°	88°
8 770 256 009	silver grey					



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 770 346 009	black	3.0 kg	15 x LED 1.8 W (27 W)	1463 lm	C 0 - 180	C 90 - 270
8 770 366 009	white				20°	88°
8 770 356 009	silver grey					



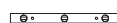
Ecoline Mini SR, right, wall washer

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 asymmetrical light distribution upon request.

LED (see page 247)

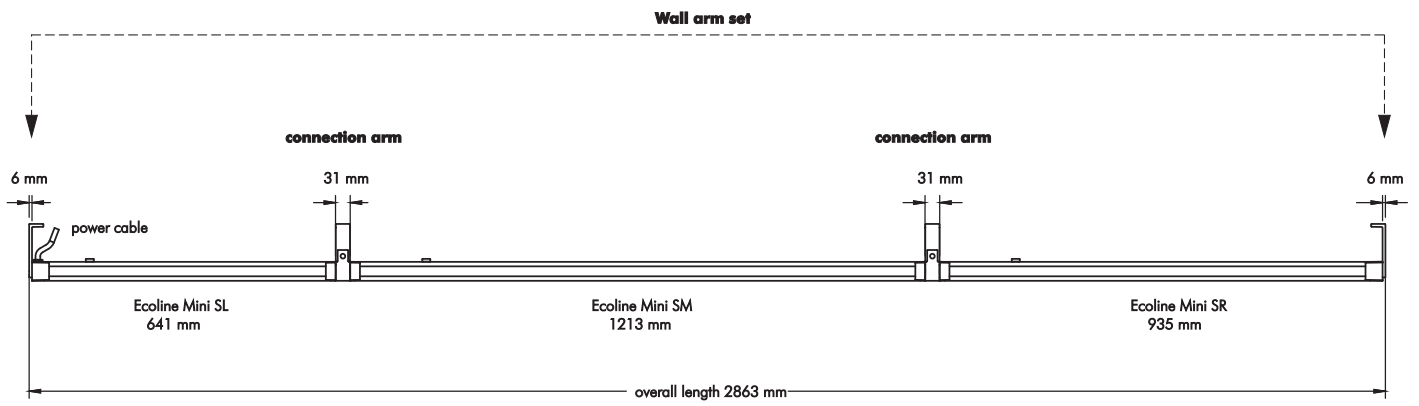
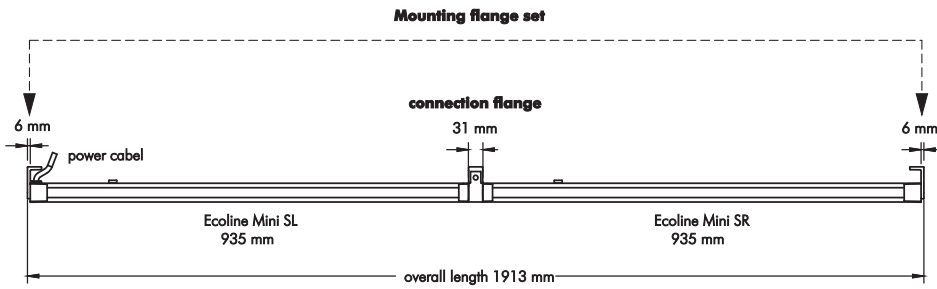
Luminaires available in 2700 K and other colour temperatures on request

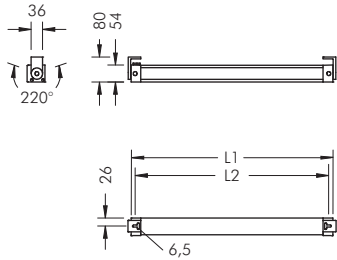


System examples

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.



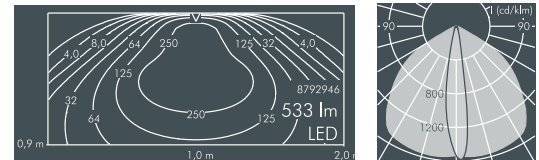


Ecoline wall washer

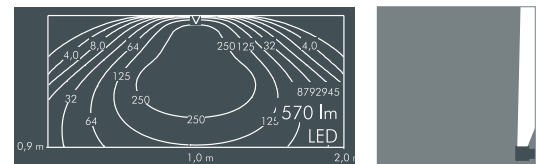
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 IK10 housing made of extruded aluminium and corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior 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)	
8 792 946 009	black	1.7 kg	3 x LED 2.5 W (8 W)	533 lm	C 0 – 180	C 90 – 270
8 792 966 009	white				12°	108°
8 792 956 009	silver grey					

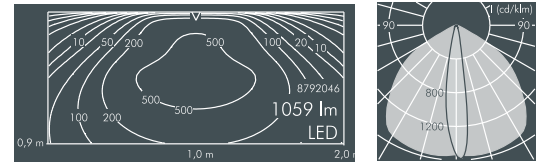


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 792 945 009	black	1.7 kg	3 x LED 2.5 W (8 W)	570 lm	C 0 – 180	C 90 – 270
8 792 965 009	white				12°	108°
8 792 955 009	silver grey					

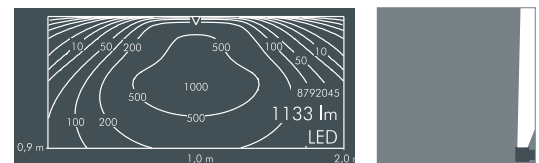


Ecoline, wall washer, L1 = 662 mm, L2 = 615 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 792 046 009	black	2.3 kg	6 x LED 2.5 W (15 W)	1059 lm	C 0 – 180	C 90 – 270
8 792 066 009	white				12°	108°
8 792 056 009	silver grey					

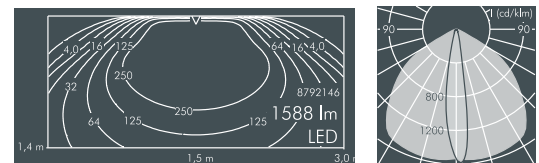


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 792 045 009	black	2.3 kg	6 x LED 2.5 W (15 W)	1133 lm	C 0 – 180	C 90 – 270
8 792 065 009	white				12°	108°
8 792 055 009	silver grey					

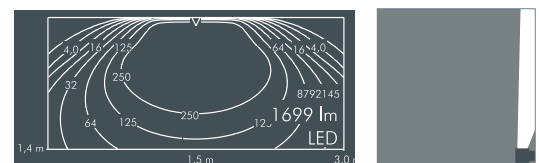


Ecoline, wall washer, L1 = 962 mm, L2 = 915 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 792 146 009	black	3.1 kg	9 x LED 2.5 W (23 W)	1588 lm	C 0 – 180	C 90 – 270
8 792 166 009	white				12°	108°
8 792 156 009	silver grey					



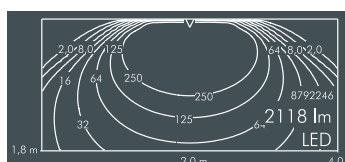
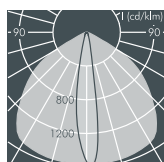
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 792 145 009	black	3.1 kg	9 x LED 2.5 W (23 W)	1699 lm	C 0 – 180	C 90 – 270
8 792 165 009	white				12°	108°
8 792 155 009	silver grey					



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

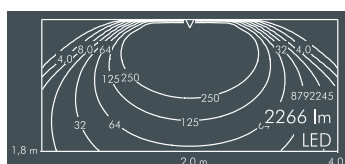
*Not available for luminaire L1 = 362 mm
**Luminaires with two cable glands available upon request

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

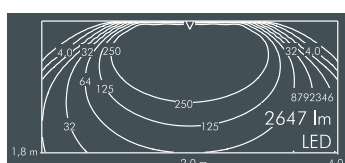
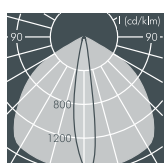


Ecoline, wall washer, L1 = 1262 mm, L2 = 1215 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 792 246 009	black	3.6 kg	12 x LED 2.5 W (30 W)	2118 lm	C 0 – 180	C 90 – 270
8 792 266 009	white				12°	108°
8 792 256 009	silver grey					

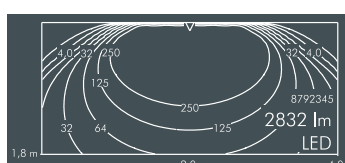


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 792 245 009	black	3.6 kg	12 x LED 2.5 W (30 W)	2266 lm	C 0 – 180	C 90 – 270
8 792 265 009	white				12°	108°
8 792 255 009	silver grey					



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 792 346 009	black	4.2 kg	15 x LED 2.5 W (38 W)	2647 lm	C 0 – 180	C 90 – 270
8 792 366 009	white				12°	108°
8 792 356 009	silver grey					



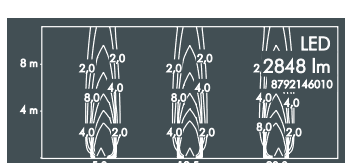
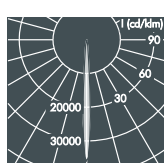
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 792 345 009	black	4.2 kg	15 x LED 2.5 W (38 W)	2832 lm	C 0 – 180	C 90 – 270
8 792 365 009	white				12°	108°
8 792 355 009	silver grey					



Ecoline, narrow beam**

Part number	Description
. 1.	Luminaires with narrow beam distribution

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



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

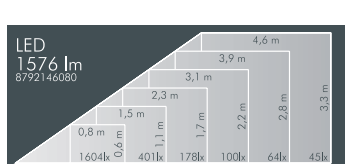
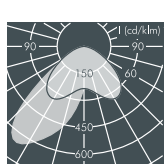
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 792 146 019	black	3.1 kg	17 x LED 2.5 W (42 W)	2848 lm	7°
8 792 166 019	white				
8 792 156 019	silver grey				



Ecoline, asymmetrical beam**

Part number	Description
. 8.	Luminaires with asymmetrical distribution

**The luminaires are available in 5 different lengths.



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

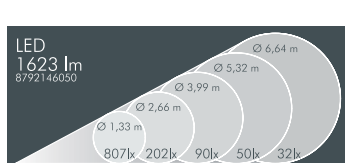
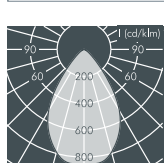
Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 792 146 089	black	3.1 kg	9 x LED 2.5 W (23 W)	1576 lm	36°
8 792 166 089	white				
8 792 156 089	silver grey				



Ecoline, wide beam**

Part number	Description
. 5.	Luminaires with wide beam distribution

**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 γ (FWHM)
8 792 146 059	black	3.1 kg	9 x LED 2.5 W (23 W)	1623 lm	67°
8 792 166 059	white				
8 792 156 059	silver grey				

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

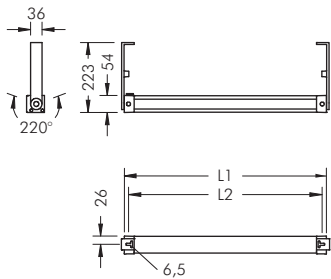
*Not available for luminaire L1 = 362 mm

**Luminaires with two cable glands available upon request

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



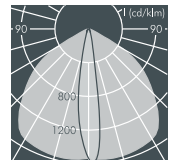
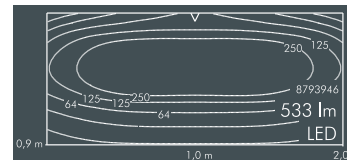


Ecoline wall washer with wall arms

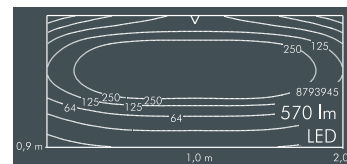
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 , IK10 housing made of extruded aluminium and corrosion-resistant die cast aluminium housing AlSi12, all exterior steel parts are stainless 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)	
8 793 946 009	black	2.2 kg	3 x LED 2.5 W (8 W)	533 lm	C 0 – 180	C 90 – 270
8 793 966 009	white				12°	108°
8 793 956 009	silver grey					

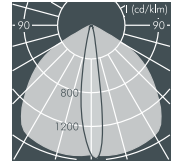
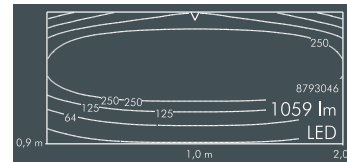


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 793 945 009	black	2.2 kg	3 x LED 2.5 W (8 W)	570 lm	C 0 – 180	C 90 – 270
8 793 965 009	white				12°	108°
8 793 955 009	silver grey					

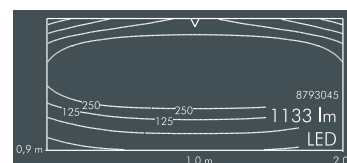


Ecoline, wall washer with wall arms, L1 = 662 mm, L2 = 615 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 793 046 009	black	2.8 kg	6 x LED 2.5 W (15 W)	1059 lm	C 0 – 180	C 90 – 270
8 793 066 009	white				12°	108°
8 793 056 009	silver grey					

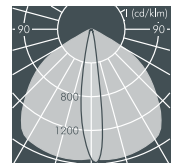
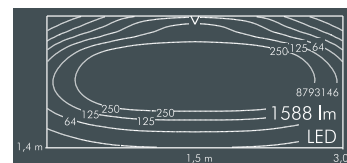


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 793 045 009	black	2.8 kg	6 x LED 2.5 W (15 W)	1133 lm	C 0 – 180	C 90 – 270
8 793 065 009	white				12°	108°
8 793 055 009	silver grey					

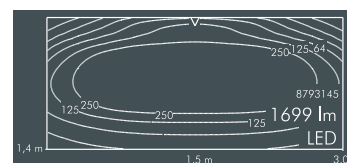


Ecoline, wall washer with wall arms, L1 = 962 mm, L2 = 915 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 793 146 009	black	3.6 kg	9 x LED 2.5 W (23 W)	1588 lm	C 0 – 180	C 90 – 270
8 793 166 009	white				12°	108°
8 793 156 009	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 793 145 009	black	3.6 kg	9 x LED 2.5 W (23 W)	1699 lm	C 0 – 180	C 90 – 270
8 793 165 009	white				12°	108°
8 793 155 009	silver grey					



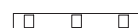
Part number**	Description
. 1..	Dimmable luminaire (DALI)*
. 2..	Dimmable luminaire (1-10 V)*

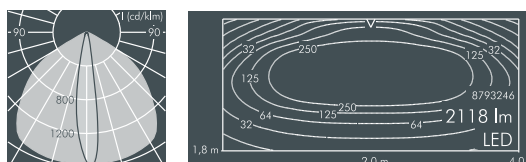
*Not available for luminaire L1 = 362 mm

**Luminaires with two cable glands available upon request

LED (see page 247)

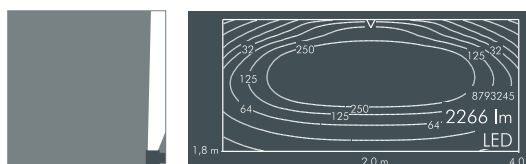
Luminaires available in 2700 K and other colour temperatures upon request



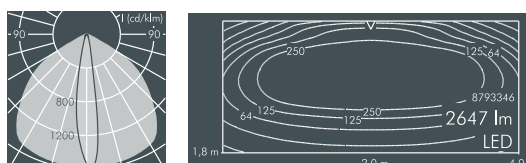


Ecoline, wall washer with wall arms, L1 = 1262 mm, L2 = 1215 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 793 246 009	black	4.1 kg	12 x LED 2.5 W (30 W)	2118 lm	C 0 – 180	C 90 – 270
8 793 266 009	white				12°	108°
8 793 256 009	silver grey				warm white (3000 K)	

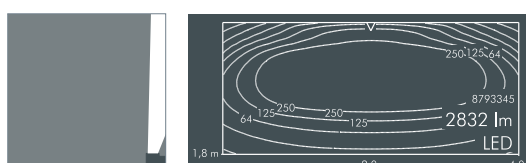


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 793 245 009	black	4.1 kg	12 x LED 2.5 W (30 W)	2266 lm	C 0 – 180	C 90 – 270
8 793 265 009	white				12°	108°
8 793 255 009	silver grey				neutral white (4000 K)	



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 793 346 009	black	4.7 kg	15 x LED 2.5 W (38 W)	2647 lm	C 0 – 180	C 90 – 270
8 793 366 009	white				12°	108°
8 793 356 009	silver grey				warm white (3000 K)	



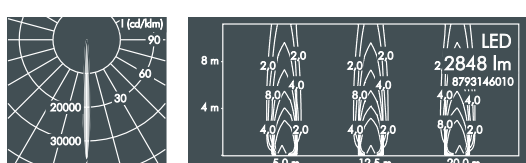
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 793 345 009	black	4.7 kg	15 x LED 2.5 W (38 W)	2832 lm	C 0 – 180	C 90 – 270
8 793 365 009	white				12°	108°
8 793 355 009	silver grey				neutral white (4000 K)	



Ecoline, narrow beam with wall arms**

Part number	Description
. 1.	Luminaires with narrow beam distribution

**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

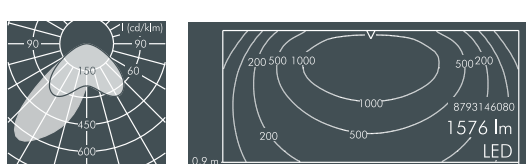
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 793 146 019	black	3.6 kg	17 x LED 2.5 W (42 W)	2848 lm	7°
8 793 166 019	white				
8 793 156 019	silver grey				



Ecoline, asymmetrical beam with wall arms**

Part number	Description
. 8.	Luminaires with asymmetrical distribution

**The luminaires are available in 5 different lengths.



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

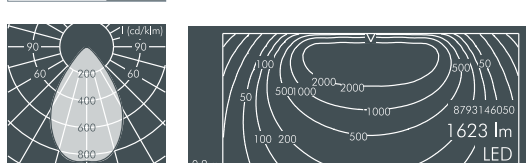
Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 793 146 089	black	3.6 kg	9 x LED 2.5 W (23 W)	1576 lm	36°
8 793 166 089	white				
8 793 156 089	silver grey				



Ecoline, wide beam with wall arms**

Part number	Description
. 5.	Luminaires with wide beam distribution

**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)
8 793 146 059	black	3.6 kg	9 x LED 2.5 W (23 W)	1623 lm	67°
8 793 166 059	white				
8 793 156 059	silver grey				

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

*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



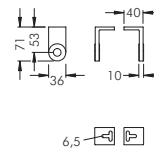


Ecoline S Modular System

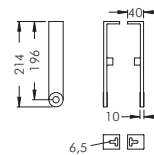
The luminaire modules are joined together in continuous runs. The luminaire system is installed using either wall flanges or wall arms. The wall arms increase the distance between the luminaire and the surface to be illuminated, thus increasing the uniformity of light distribution.

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 S Modular System		
Part number	Colour	Description
127 0 299 940	black	Wall flange set, (pair) for outer luminaires
127 0 299 960	white	
127 0 299 950	silver grey	

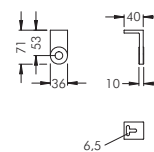


Mounting components for Ecoline S Modular System		
Part number	Colour	Description
127 0 300 940	black	Wall arm set, (pair) for outer luminaires, length 196 mm
127 0 300 960	white	
127 0 300 950	silver grey	

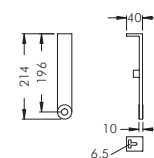


To connect two luminaires together, either one connection flange **or** one connection arm is required. The number of these connection parts required equals the total number of luminaires minus 1.

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



Part number	Colour	Description
127 0 332 940	black	Connection flange for dimmable luminaire, c/w 5-core cable for through wiring, for connection of 2 luminaires
127 0 332 960	white	
127 0 332 950	silver grey	

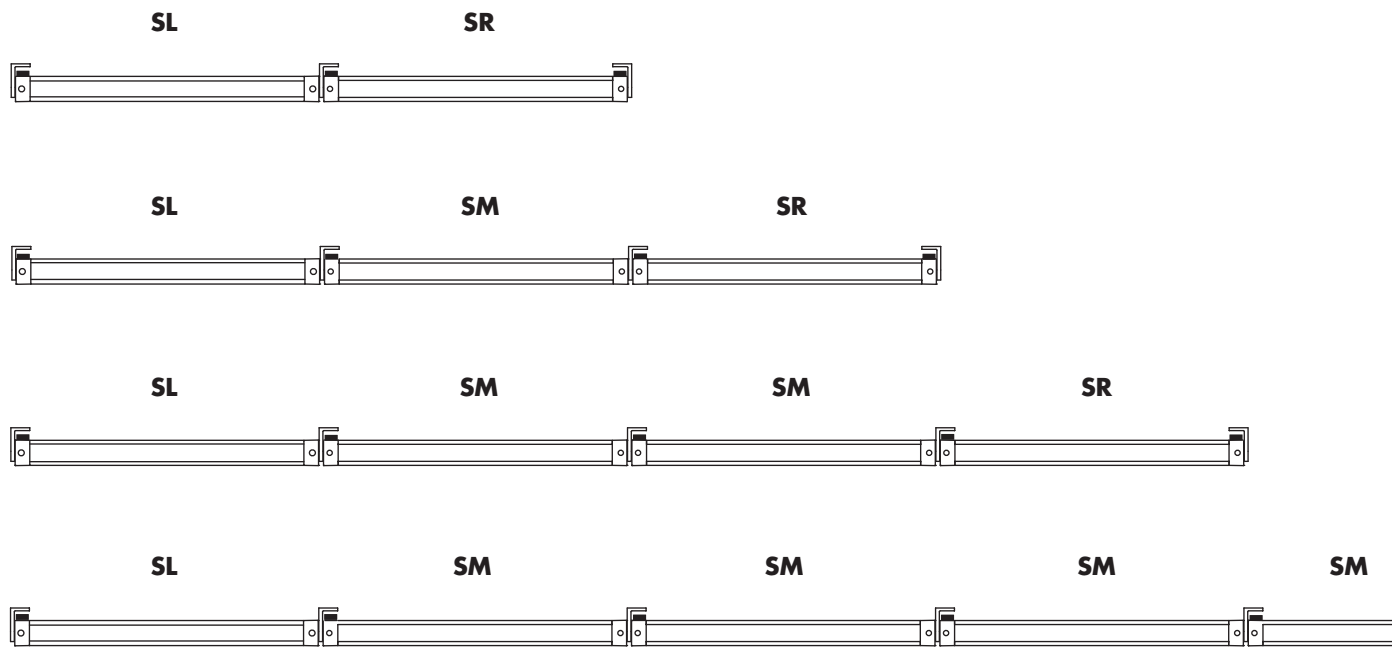


Mounting components for Ecoline S Modular System		
Part number	Colour	Description
127 0 302 940	black	Connection arm c/w 3-core cable for through wiring, for connection of 2 luminaires, length 196 mm
127 0 302 960	white	
127 0 302 950	silver grey	

Part number	Colour	Description
127 0 333 940	black	Connection arm for dimmable luminaire, c/w 5-core cable for through wiring, for connection of 2 luminaires, length 196 mm
127 0 333 960	white	
127 0 333 950	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



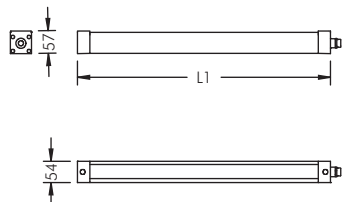
Ecoline SM Modular System, middle

One cable entry on the left



Ecoline SR Modular System, right

Two cable entries right and left

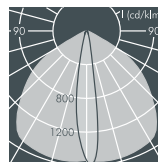


Ecoline SL Modular System left

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)

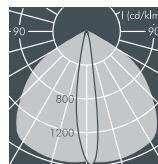
Ecoline SL, left, wall washer, L1 = 642 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 797 046 009	black	2.3 kg	6 x LED 2.5 W (15 W)	1059 lm	C 0 – 180	C 90 – 270
8 797 066 009	white				12°	108°
8 797 056 009	silver grey					



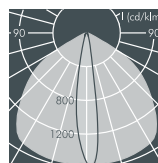
Ecoline SL, left, wall washer, L1 = 942 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 797 146 009	black	2.9 kg	9 x LED 2.5 W (23 W)	1588 lm	C 0 – 180	C 90 – 270
8 797 166 009	white				12°	108°
8 797 156 009	silver grey					



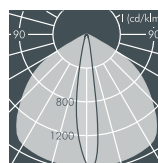
Ecoline SL, left, wall washer, L1 = 1242 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 797 246 009	black	3.4 kg	12 x LED 2.5 W (30 W)	2118 lm	C 0 – 180	C 90 – 270
8 797 266 009	white				12°	108°
8 797 256 009	silver grey					



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 797 346 009	black	4.0 kg	15 x LED 2.5 W (38 W)	2647 lm	C 0 – 180	C 90 – 270
8 797 366 009	white				12°	108°
8 797 356 009	silver grey					



Ecoline 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 wide beam or asymmetrical light distribution upon request.

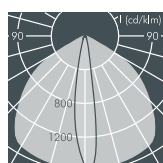
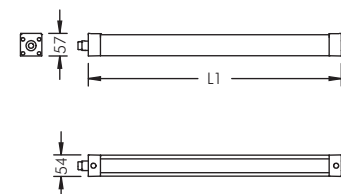
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



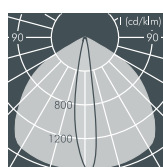
Ecoline SM Modular System middle

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 AISi12,
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)



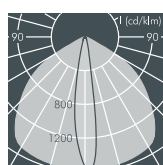
Ecoline SM, middle, wall washer, L1 = 642 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 798 046 009	black	2.3 kg	6 x LED 2.5 W (15 W) warm white (3000 K)	1059 lm	C 0 – 180	C 90 – 270
8 798 066 009	white				12°	108°
8 798 056 009	silver grey					



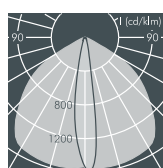
Ecoline SM, middle, wall washer, L1 = 942 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 798 146 009	black	2.9 kg	9 x LED 2.5 W (23 W) warm white (3000 K)	1588 lm	C 0 – 180	C 90 – 270
8 798 166 009	white				12°	108°
8 798 156 009	silver grey					



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 798 246 009	black	3.4 kg	12 x LED 2.5 W (30 W) warm white (3000 K)	2118 lm	C 0 – 180	C 90 – 270
8 798 266 009	white				12°	108°
8 798 256 009	silver grey					



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 798 346 009	black	4.0 kg	15 x LED 2.5 W (38 W) warm white (3000 K)	2647 lm	C 0 – 180	C 90 – 270
8 798 366 009	white				12°	108°
8 798 356 009	silver grey					

Ecoline SM, middle, wall washer

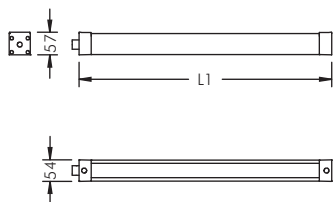
Part number	Description
... 5 ...	Luminaire with neutral white colour temperature (4000 K)
... 1 ..	Dimmable luminaire (DALI)
... 2 ..	Dimmable luminaire (1-10 V)

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



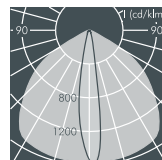


Ecoline SR Modular System right

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)

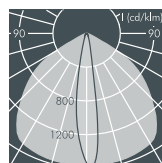
Ecoline SR, right, wall washer, L1 = 642 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 799 046 009	black	2.3 kg	6 x LED 2.5 W (15 W)	1059 lm	C 0 – 180	C 90 – 270
8 799 066 009	white				12°	108°
8 799 056 009	silver grey					



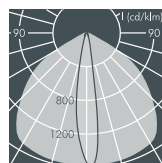
Ecoline SR, right, wall washer, L1 = 942 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 799 146 009	black	2.9 kg	9 x LED 2.5 W (23 W)	1588 lm	C 0 – 180	C 90 – 270
8 799 166 009	white				12°	108°
8 799 156 009	silver grey					



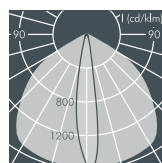
Ecoline SR, right, wall washer, L1 = 1242 mm

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 799 246 009	black	3.4 kg	12 x LED 2.5 W (30 W)	2118 lm	C 0 – 180	C 90 – 270
8 799 266 009	white				12°	108°
8 799 256 009	silver grey					



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

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 799 346 009	black	4.0 kg	15 x LED 2.5 W (38 W)	2647 lm	C 0 – 180	C 90 – 270
8 799 366 009	white				12°	108°
8 799 356 009	silver grey					



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)

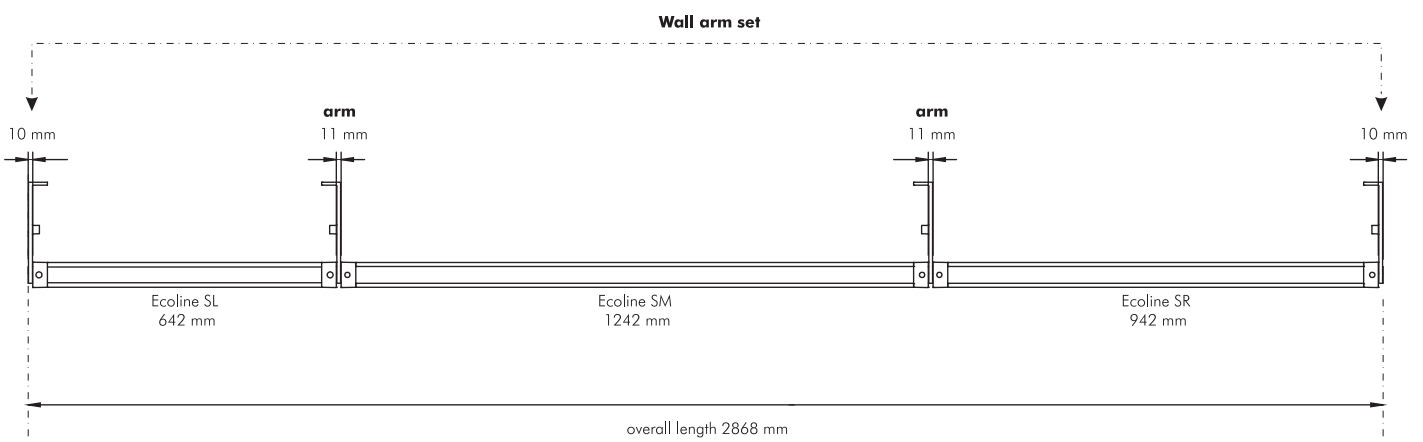
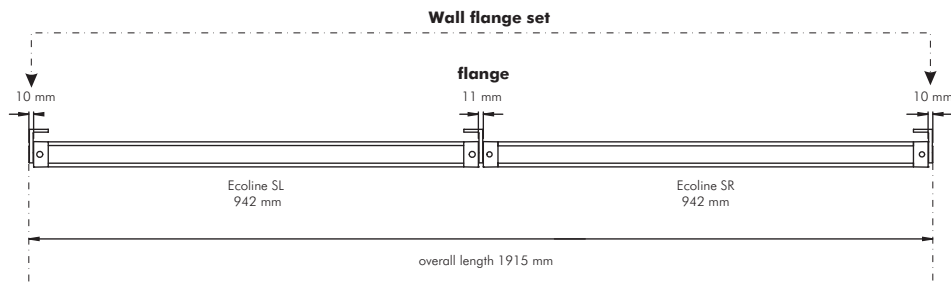
Luminaires available in 2700 K and other colour temperatures upon request



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.

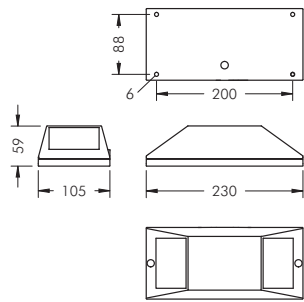




The structure of a façade can be emphasized by illuminating the window reveals. The result is the impressive highlighting of a building at night.



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)

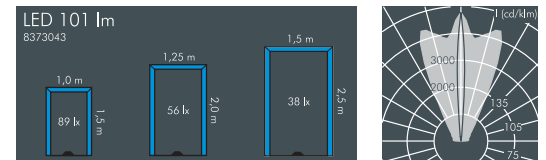
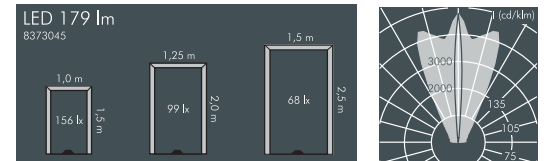
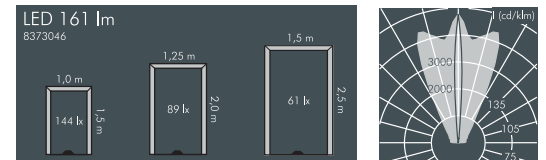
Arclux Mini

Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ	
8 373 046 009	black	1.0 kg	2 x LED 2 W (4 W) warm white (3000 K)	161 lm	C 0 – 180	C 90 – 270
8 373 066 009	white				6°	180°
8 373 056 009	silver grey					

Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ	
8 373 045 009	black	1.0 kg	2 x LED 2 W (4 W) neutral white (4000 K)	179 lm	C 0 – 180	C 90 – 270
8 373 065 009	white				6°	180°
8 373 055 009	silver grey					

Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ	
8 373 043 009	black	1.0 kg	2 x LED 2 W (4 W) blue	101 lm	C 0 – 180	C 90 – 270
8 373 063 009	white				6°	180°
8 373 053 009	silver grey					

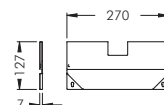
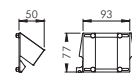
* The luminaire can also be supplied with monochrome LEDs (amber, red, green) upon request.
 DMX/DALI control with external converter



Accessories Arclux, Arclux RGBW (not for Arclux Mini)

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

Part number	Colour	Description
123 0 370 000	unpainted	Mounting plate , stainless steel, for window ledges







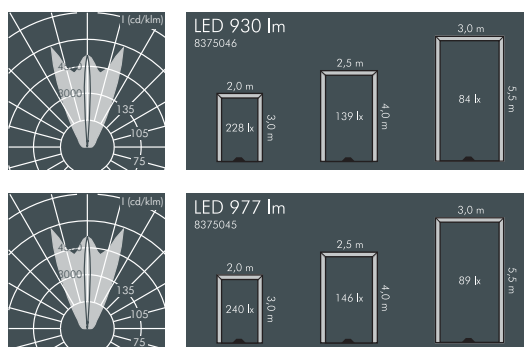
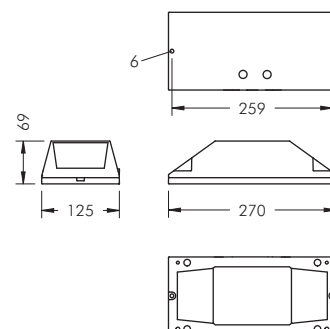
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures on 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)



Arclux




Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 375 046 009	black	1.6 kg	2 x LED 6.5 W (13 W) warm white (3000 K)	930 lm	C 0 – 180
8 375 066 009	white				C 90 – 270
8 375 056 009	silver grey				10°

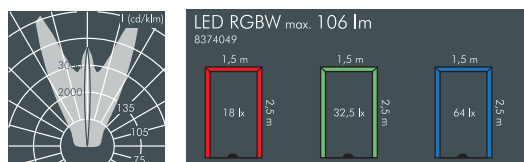
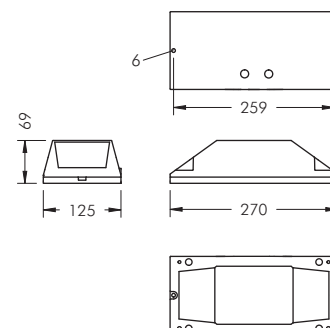
Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 375 045 009	black	1.6 kg	2 x LED 6.5 W (13 W) neutral white (4000 K)	977 lm	C 0 – 180
8 375 065 009	white				C 90 – 270
8 375 055 009	silver grey				10°

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

Part number	Description
... .. 1 ..	Dimmable luminaire (DALI)

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



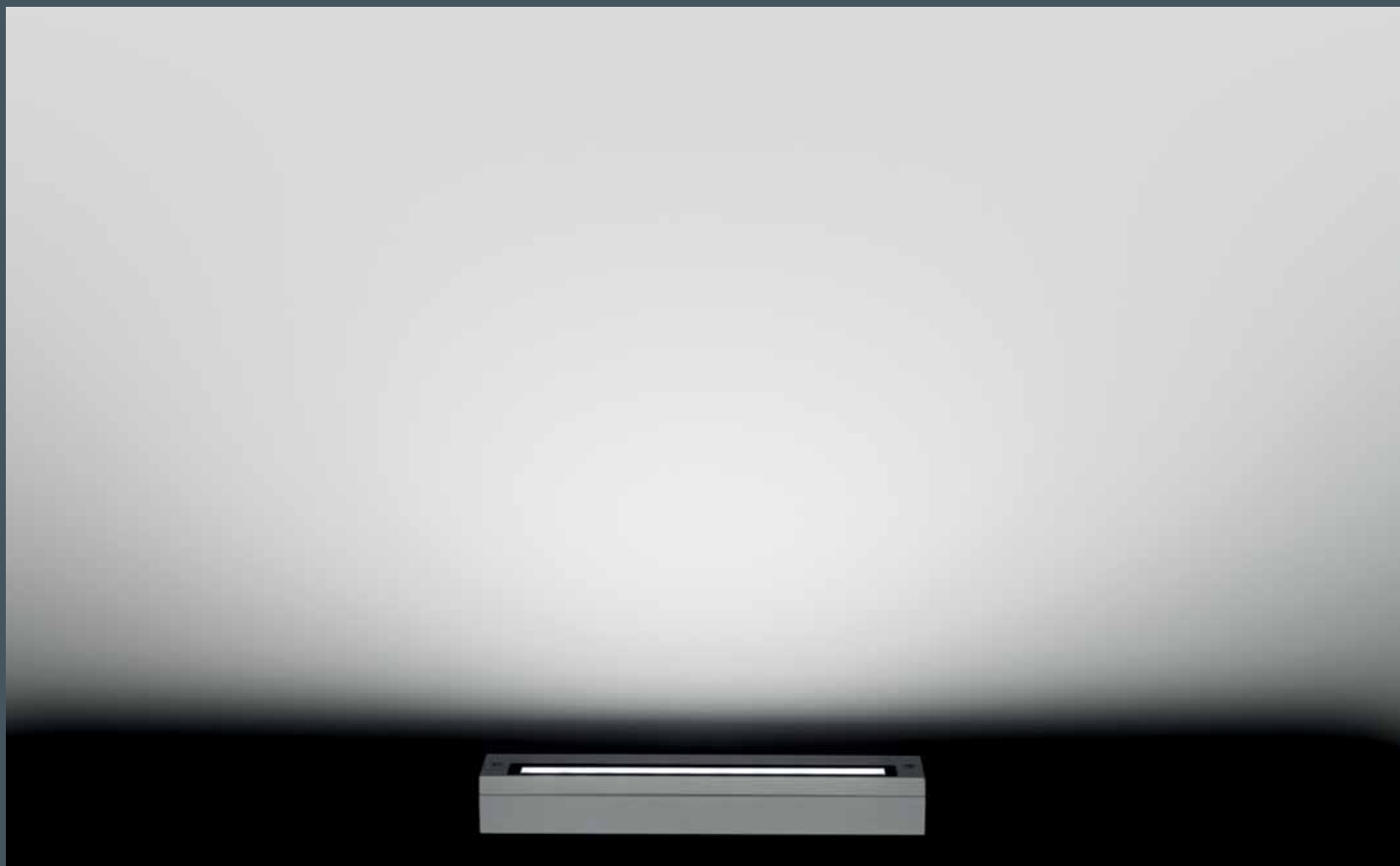
Arclux RGBW

Part number	Colour	Weight	Light source**	Luminous flux	Main beam angle γ
8 374 049 009	black	1.6 kg	2 x LED RGBW W = 3000 K (max. 12 W)	max. 106 lm	C 0 – 180
8 374 069 009	white				C 90 – 270
8 374 059 009	silver grey				12°

** 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.

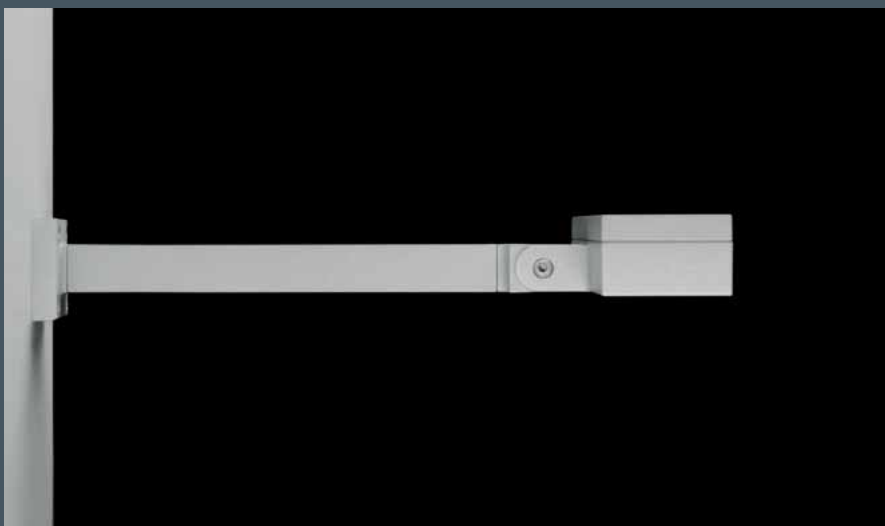


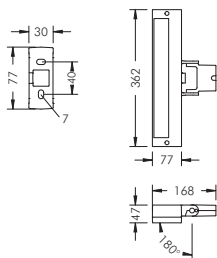
With narrow beam distribution the luminaires are used for the accent lighting of vertical surfaces.



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.



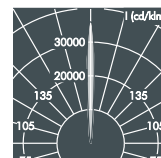
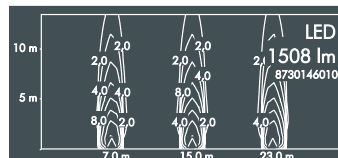


Highline with wall bracket

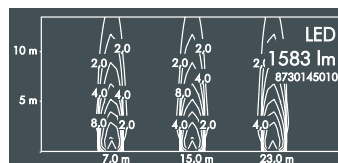
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 , IK08
 windage area AW 0.029 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 all exterior steel 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)
8 730 146 019	black	1.7 kg	9 x LED 2.5 W	1508 lm	6°
8 730 166 019	white		(23 W)		
8 730 156 019	silver grey		warm white (3000 K)		

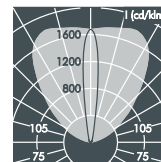
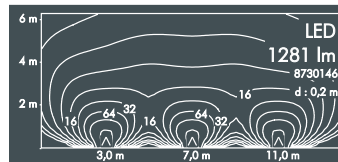


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 730 145 019	black	1.7 kg	9 x LED 2.5 W	1583 lm	6°
8 730 165 019	white		(23 W)		
8 730 155 019	silver grey		neutral white (4000 K)		

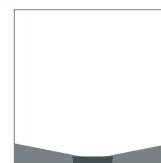
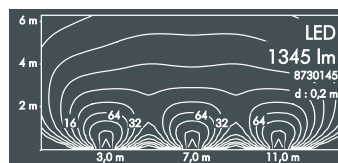


Highline, wall washer

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 730 146 009	black	1.7 kg	9 x LED 2.5 W	1281 lm	C 0 – 180
8 730 166 009	white		(23 W)		14°
8 730 156 009	silver grey		warm white (3000 K)		93°

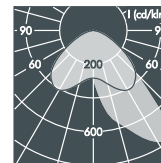
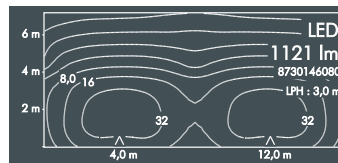


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 730 145 009	black	1.7 kg	9 x LED 2.5 W	1345 lm	C 0 – 180
8 730 165 009	white		(23 W)		14°
8 730 155 009	silver grey		neutral white (4000 K)		93°

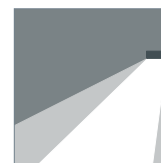
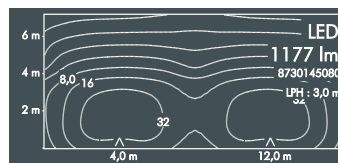


Highline, asymmetrical beam

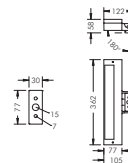
Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 730 146 089	black	1.7 kg	9 x LED 2.5 W	1121 lm	35°
8 730 166 089	white		(23 W)		
8 730 156 089	silver grey		warm white (3000 K)		



Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 730 145 089	black	1.7 kg	9 x LED 2.5 W	1177 lm	35°
8 730 165 089	white		(23 W)		
8 730 155 089	silver grey		neutral white (4000 K)		






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

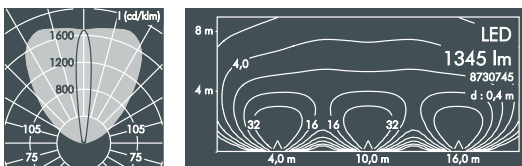
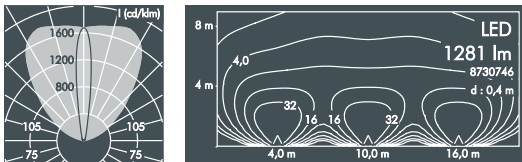
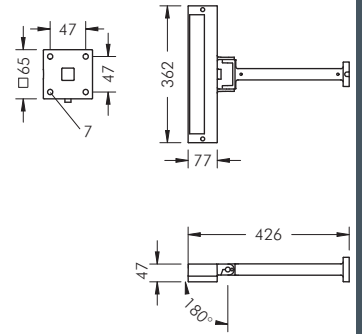


LED (see page 247)

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 m²
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

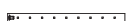
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 730 746 009	black	2.0 kg	9 x LED 2.5 W (23 W) warm white (3000 K)	1281 lm	C 0 – 180	C 90 – 270
8 730 766 009	white				14°	93°
8 730 756 009	silver grey					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 730 745 009	black	2.0 kg	9 x LED 2.5 W (23 W) neutral white (4000 K)	1345 lm	C 0 – 180	C 90 – 270
8 730 765 009	white				14°	93°
8 730 755 009	silver grey					

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

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



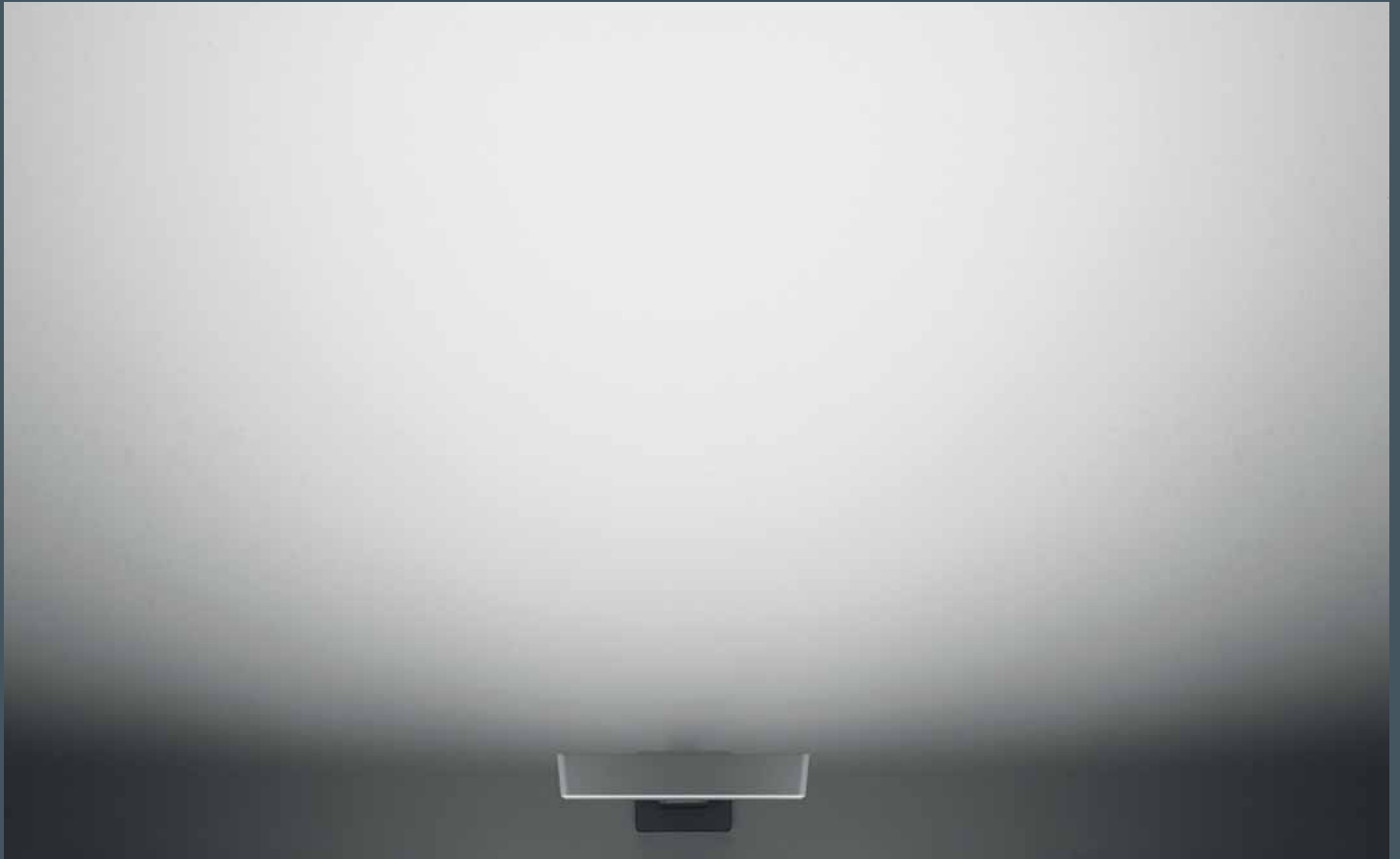


The Expolux range of luminaires illuminates signs or advertising surfaces to a high level of uniformity. The light emitted by a LED module is directed asymmetrically by a special lens onto the surface. High levels of illumination are achieved with very low power consumption. Innovative LED technology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



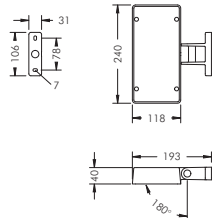
Advertising surfaces of various dimensions can be illuminated uniformly and economically. The luminaires themselves blend discreetly into the background.



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.





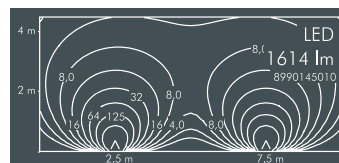
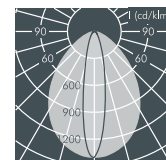
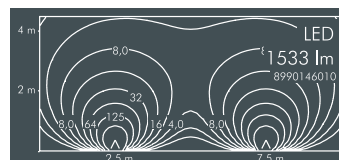
Expolux

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 m² 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)	
8 990 146 019	black	1.8 kg	1 x LED module 18 W warm white (3000 K)	1533 lm	C 0 – 180	C 90 – 270
8 990 166 019	white				20°	82°
8 990 156 019	silver grey					

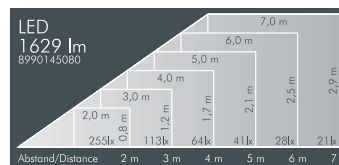
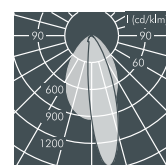
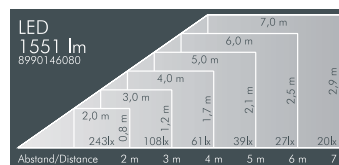
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 145 019	black	1.8 kg	1 x LED module 18 W neutral white (4000 K)	1614 lm	C 0 – 180	
8 990 165 019	white				20°	82°
8 990 155 019	silver grey					



Expolux, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 146 089	black	1.8 kg	1 x LED module 18 W warm white (3000 K)	1551 lm	C 0 – 180	C 90 – 270
8 990 166 089	white				43°	70°
8 990 156 089	silver grey					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 145 089	black	1.8 kg	1 x LED module 18 W neutral white (4000 K)	1629 lm	C 0 – 180	C 90 – 270
8 990 165 089	white				43°	70°
8 990 155 089	silver grey					




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

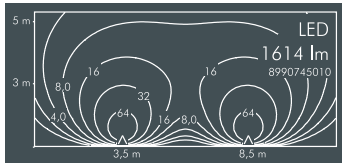
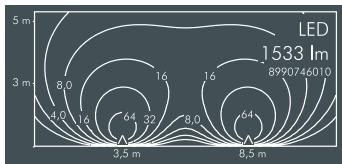
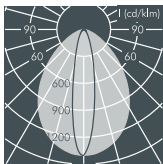
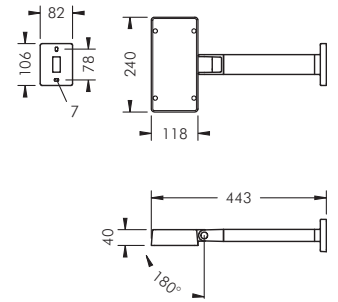
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



Expolux with wall arm

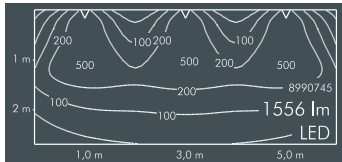
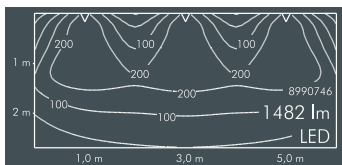
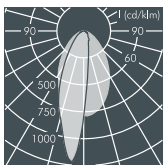
With high performance LED module, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L80/B10 > 50 000 h
 protection class I, IP65    , IK10
 windage area AW 0.04 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 baton lens 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)	
8 990 746 019	black	2.1 kg	1 x LED module 18 W warm white (3000 K)	1533 lm	C 0 – 180	C 90 – 270
8 990 766 019	white				20°	82°
8 990 756 019	silver grey					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 745 019	black	2.1 kg	1 x LED module 18 W neutral white (4000 K)	1614 lm	C 0 – 180	
8 990 765 019	white				20°	82°
8 990 755 019	silver grey					



Expolux, sign luminaire

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 746 009	black	2.1 kg	1 x LED module 18 W warm white (3000 K)	1482 lm	C 0 – 180	C 90 – 270
8 990 766 009	white				15°	41°
8 990 756 009	silver grey					

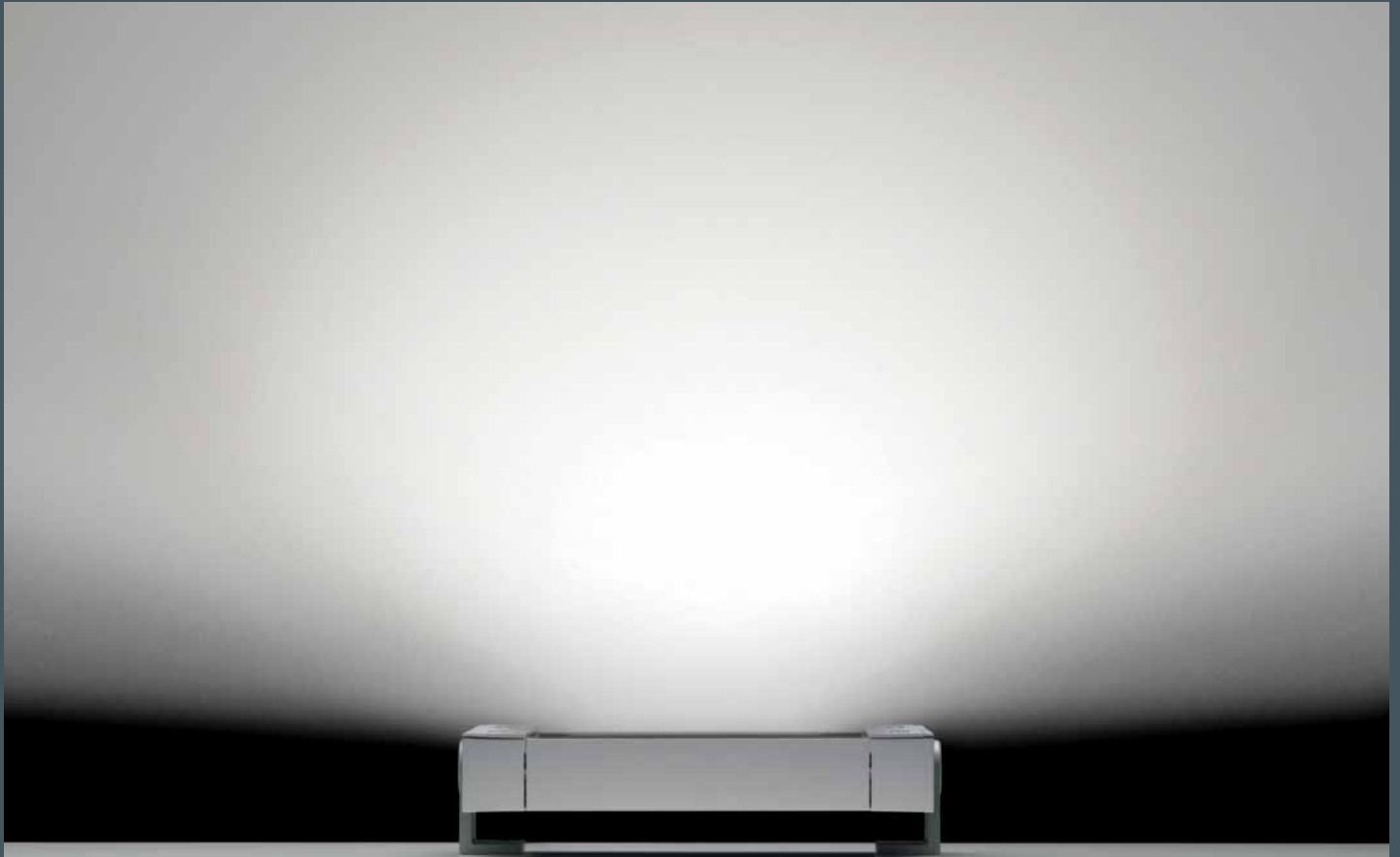
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 745 009	black	2.1 kg	1 x LED module 18 W neutral white (4000 K)	1556 lm	C 0 – 180	C 90 – 270
8 990 765 009	white				15°	41°
8 990 755 009	silver grey					

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





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.



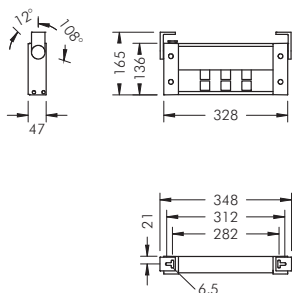
Place Stanislas, Nancy/France
Lighting design:
Communauté Urbaine de Grand Nancy



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.



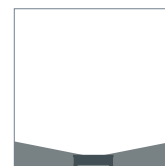
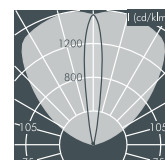
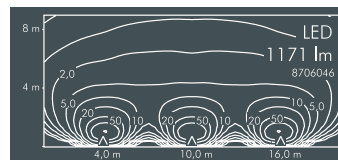


Ecovision Mini wall washer

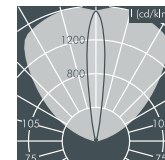
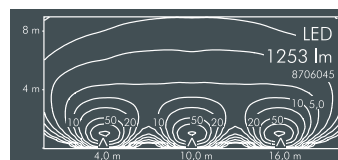
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK10
 housing made of extruded aluminium and corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior 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)	
8 706 046 009	black	2.3 kg	6 x LED 2.5 W (15 W) warm white (3000 K)	1171 lm	C 0 – 180	C 90 – 270
8 706 066 009	white				15°	103°
8 706 056 009	silver grey					



Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 706 045 009	black	2.3 kg	6 x LED 2.5 W (15 W) neutral white (4000 K)	1253 lm	C 0 – 180	C 90 – 270
8 706 065 009	white				15°	103°
8 706 055 009	silver grey					



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

* Luminaires with two cable glands available upon request

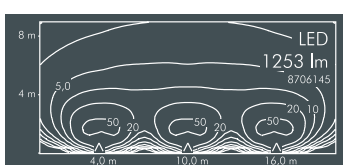
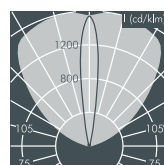
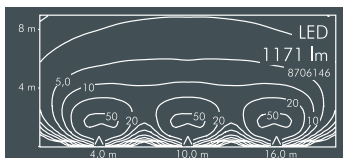
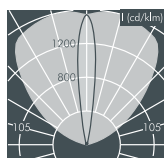
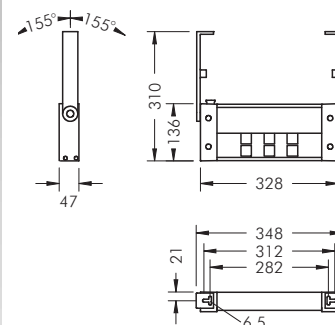
LED (see page 247)

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 \triangle \triangle , 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 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)	
8 706 146 009	black	2.8 kg	6 x LED 2.5 W (15 W)	1171 lm	C 0 – 180	C 90 – 270
8 706 166 009	white				15°	103°
8 706 156 009	silver grey					

Part number*	Colour	Weight	Leuchtmittel	Luminous flux	Beam angle γ (FWHM)	
8 706 145 009	black	2.8 kg	6 x LED 2.5 W (15 W)	1253 lm	C 0 – 180	C 90 – 270
8 706 165 009	white				15°	103°
8 706 155 009	silver grey					

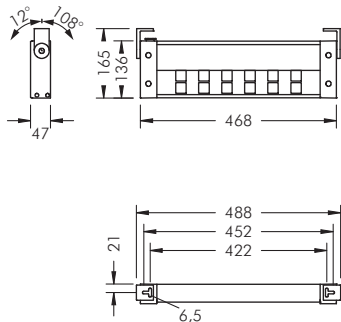
Part number*	Description
... .. 1 ..	Dimmable luminaire (DALI)
... .. 2 ..	Dimmable luminaire (1-10 V)

* Luminaires with two cable glands available upon request


LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



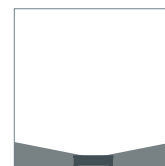
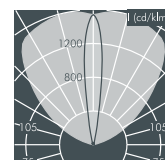
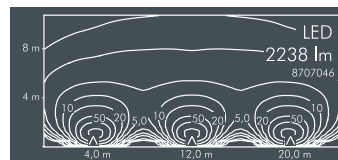


Ecovision wall washer

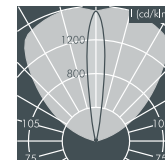
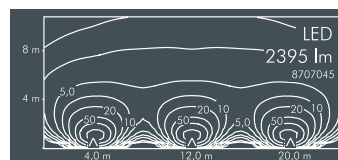
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK10
 housing made of extruded aluminium and corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior 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)	
8 707 046 009	black	2.9 kg	12 x LED 2.4 W	2238 lm	C 0 – 180	C 90 – 270
8 707 066 009	white		[29 W]		15°	103°
8 707 056 009	silver grey		warm white (3000 K)			



Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 707 045 009	black	2.9 kg	12 x LED 2.4 W	2395 lm	C 0 – 180	C 90 – 270
8 707 065 009	white		[29 W]		15°	103°
8 707 055 009	silver grey		neutral white (4000 K)			



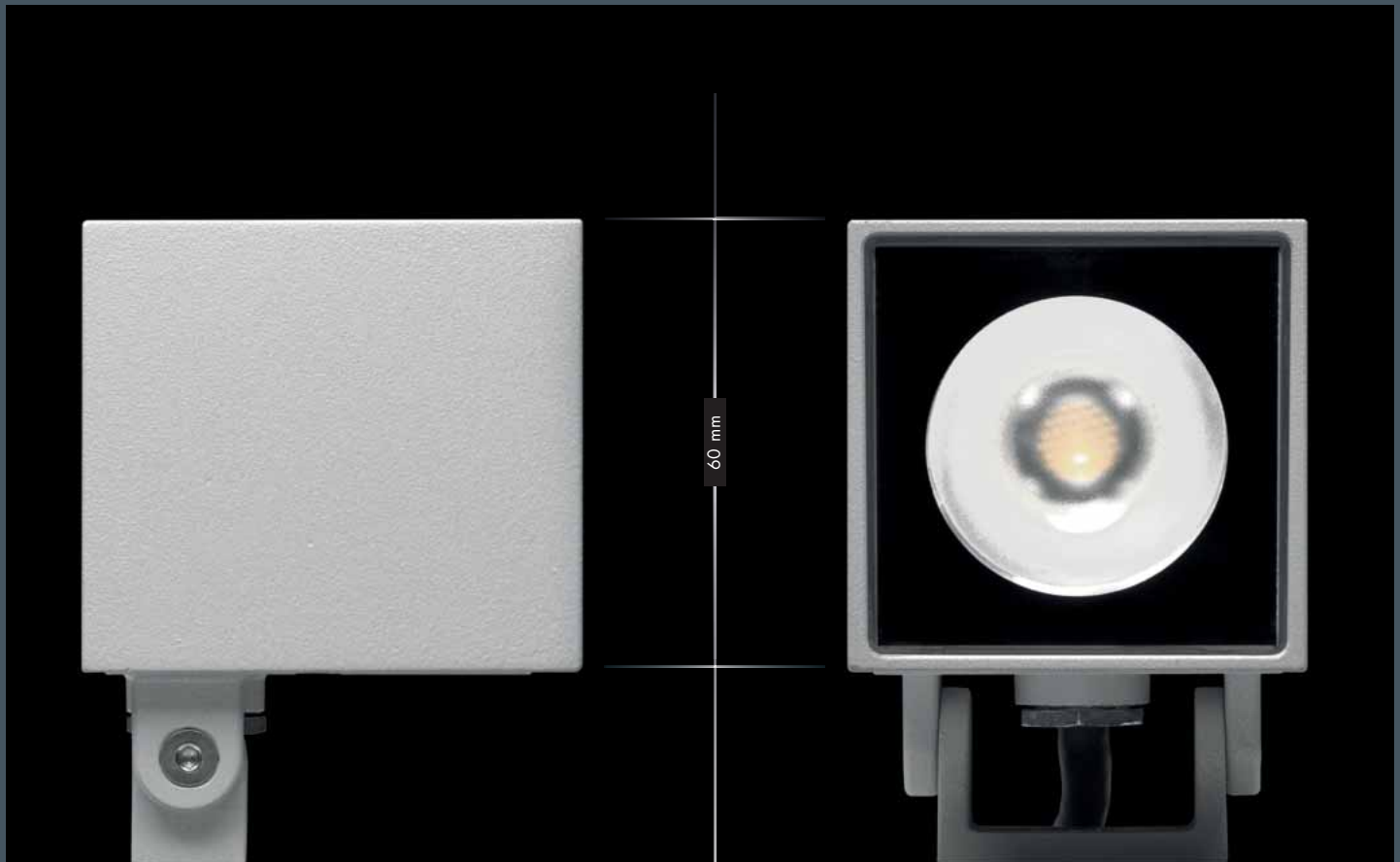
Part number*	Description
. 1..	Dimmable luminaire (DALI)
. 2..	Dimmable luminaire (1-10 V)

* Luminaires with two cable glands available upon request

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





actual size

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.



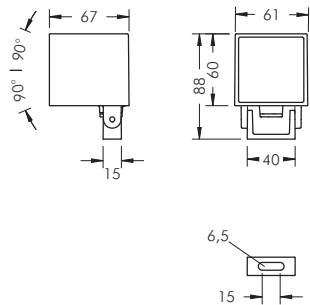
Nanocube brings miniaturization to the next level. The floodlights can be installed very discreetly.

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.



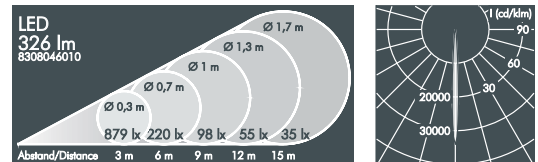


Nanocube with mounting bracket

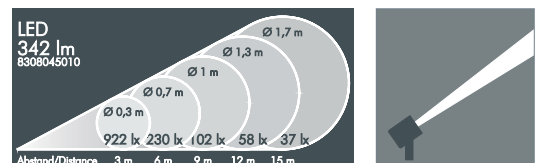
With high performance LED module, integral temperature monitoring device, CRI: > 80, colour tolerance: 3 SDCM service life: L90/B10 > 50 000 h protection class I, IP65 IK07 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, highly efficient reflector, all exterior steel parts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

Nanocube, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 046 019	black	0.5 kg	1 x LED module 5 W warm white (3000 K)	326 lm	6°
8 308 066 019	white				
8 308 056 019	silver grey				

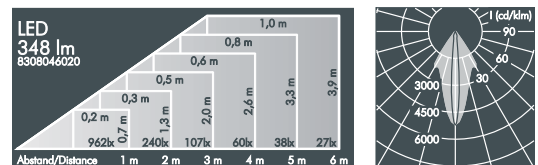


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 045 019	black	0.5 kg	1 x LED Modul 5 W neutral white (4000 K)	342 lm	6°
8 308 065 019	white				
8 308 055 019	silver grey				



Nanocube, linear beam spread, vertical

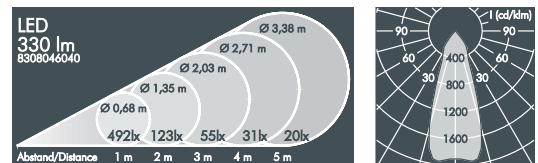
Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 046 029	black	0.5 kg	1 x LED module 5 W warm white (3000 K)	348 lm	C 0 – 180
8 308 066 029	white				C 90 – 270
8 308 056 029	silver grey				34°



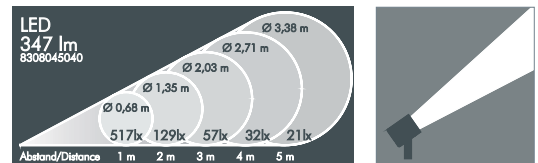
... .3. Luminaire with linear beam spread, horizontal

Nanocube, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 046 049	black	0.5 kg	1 x LED module 5 W warm white (3000 K)	330 lm	37°
8 308 066 049	white				
8 308 056 049	silver grey				

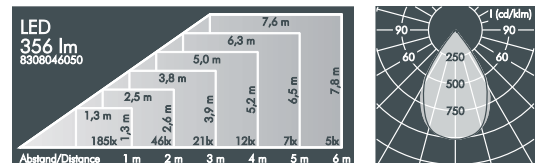


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 045 049	black	0.5 kg	1 x LED module 5 W neutral white (4000 K)	347 lm	37°
8 308 065 049	white				
8 308 055 049	silver grey				



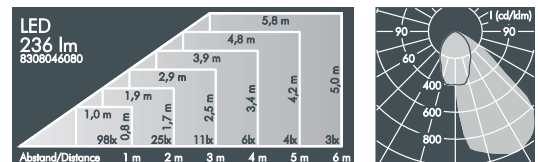
Nanocube, axially symmetrical wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 046 059	black	0.5 kg	1 x LED module 5 W warm white (3000 K)	356 lm	C 0 – 180
8 308 066 059	white				C 90 – 270
8 308 056 059	silver grey				66°



Nanocube, asymmetrical wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 308 046 089	black	0.5 kg	1 x LED module 5 W warm white (3000 K)	236 lm	28°
8 308 066 089	white				
8 308 056 089	silver grey				

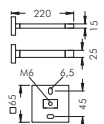


* The luminaires are available with neutral white LEDs (4000 K) upon request.

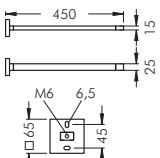
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





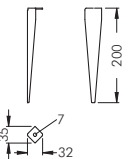
Accessories Nanocube		
Part number	Colour	Description
123 0 467 940	black	Wall arm 220 mm,
123 0 467 960	white	aluminium, polyester powder coated
123 0 467 950	silver grey	



Part number	Colour	Description
123 0 468 940	black	Wall arm 450 mm,
123 0 468 960	white	aluminium, polyester powder coated
123 0 468 950	silver grey	



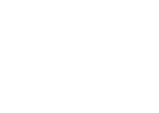
Part number	Colour	Description
123 0 490 940	black	Cowl, stainless steel,
123 0 490 960	white	to avoid glare from 3 directions
123 0 490 950	silver grey	



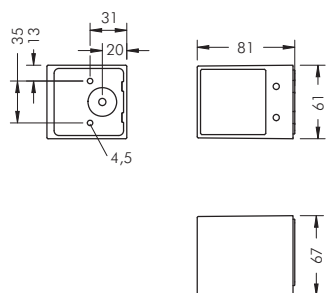
Part number	Colour	Description
123 0 470 940	black	Earth spike, stainless steel,
123 0 470 960	white	for use in landscaped areas
123 0 470 950	silver grey	



Part number	Colour	Description
123 0 510 941	black	Carrier frame,
123 0 510 961	white	with safety glass,
123 0 510 951	silver grey	for colour filters, lenses and plastic film



Part number	Description
238 1 222 000	Honeycomb louvre, internal (factory fitted, not for retro-fitting), to avoid glare

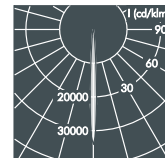
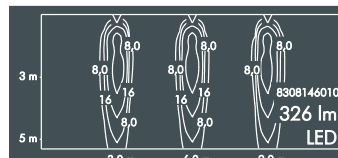


Nanocube wall luminaire

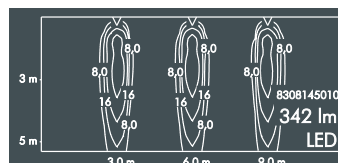
With high performance LED module, integral temperature monitoring device, CRI: > 80, colour tolerance: max. 3 SDCM service life: L90/B10 > 50 000 h protection class I, IP65 IK07 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, highly efficient reflector, all exterior steel 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 γ (FWHM)
8 308 146 019	black	0.5 kg	1 x LED module 5 W warm white (3000 K)	326 lm	6°
8 308 166 019	white				
8 308 156 019	silver grey				

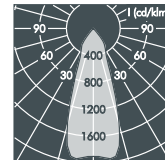
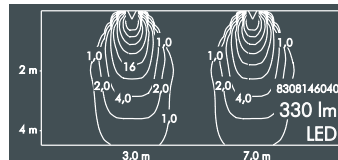


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 145 019	black	0.5 kg	1 x LED module 5 W neutral white (4000 K)	342 lm	6°
8 308 165 019	white				
8 308 155 019	silver grey				

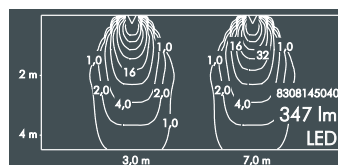


Nanocube wall luminaire, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 146 049	black	0.5 kg	1 x LED module 5 W warm white (3000 K)	330 lm	37°
8 308 166 049	white				
8 308 156 049	silver grey				

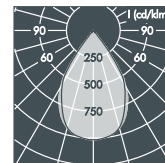
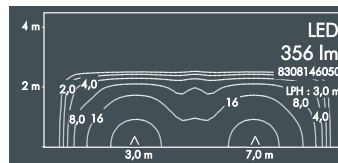


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 145 049	black	0.5 kg	1 x LED module 5 W neutral white (4000 K)	347 lm	37°
8 308 165 049	white				
8 308 155 049	silver grey				



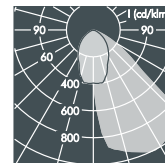
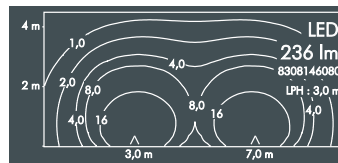
Nanocube wall luminaire, axially symmetrical wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 146 059	black	0.5 kg	1 x LED module 5 W warm white (3000 K)	356 lm	C 0 - 180
8 308 166 059	white				C 90 - 270
8 308 156 059	silver grey				66°

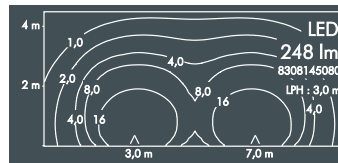


Nanocube wall luminaire, asymmetrical wide beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 308 146 089	black	0.5 kg	1 x LED module 5 W warm white (3000 K)	236 lm	28°
8 308 166 089	white				
8 308 156 089	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 308 145 089	black	0.5 kg	1 x LED module 5 W neutral white (4000 K)	248 lm	28°
8 308 165 089	white				
8 308 155 089	silver grey				



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

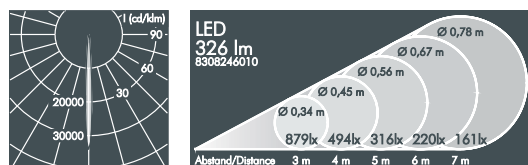
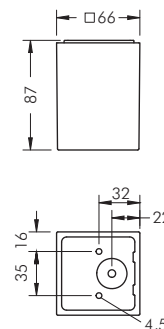
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



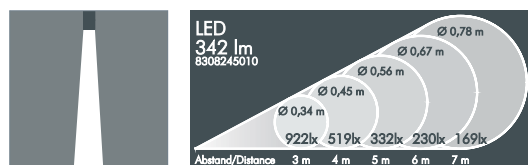
Nanocube ceiling luminaire

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 \blacklozenge \blacktriangle \blacktriangle , 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)

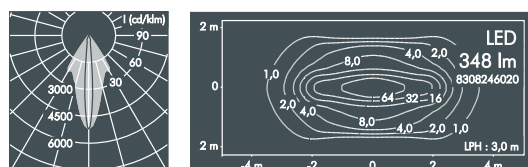


Nanocube ceiling luminaire, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 246 019	black	0.6 kg	1 x LED module 5 W	326 lm	6°
8 308 266 019	white		warm white (3000 K)		
8 308 256 019	silver grey				

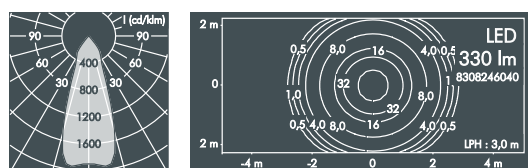


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 245 019	black	0.6 kg	1 x LED module 5 W	342 lm	6°
8 308 265 019	white		neutral white (4000 K)		
8 308 255 019	silver grey				



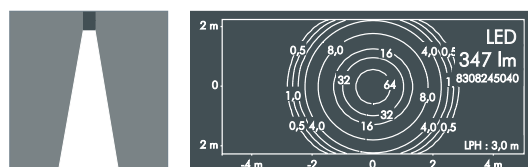
Nanocube ceiling luminaire, linear beam spread

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 308 246 029	black	0.6 kg	1 x LED module 5 W	348 lm	C 0 - 180	
8 308 266 029	white		warm white (3000 K)		34°	C 90 - 270
8 308 256 029	silver grey				7°	

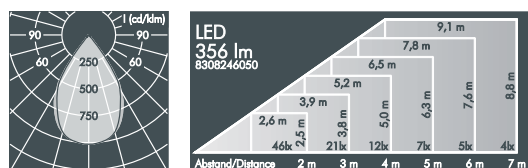


Nanocube ceiling luminaire, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 246 049	black	0.6 kg	1 x LED module 5 W	330 lm	37°
8 308 266 049	white		warm white (3000 K)		
8 308 256 049	silver grey				

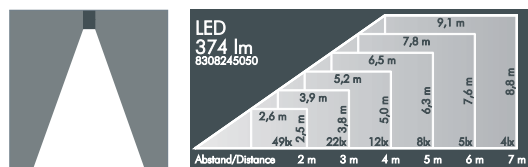


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 308 245 049	black	0.6 kg	1 x LED module 5 W	347 lm	37°
8 308 265 049	white		neutral white (4000 K)		
8 308 255 049	silver grey				



Nanocube ceiling luminaire, axially symmetrical wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 308 246 059	black	0.6 kg	1 x LED module 5 W	356 lm	C 0 - 180	
8 308 266 059	white		warm white (3000 K)		66°	C 90 - 270
8 308 256 059	silver grey				64°	



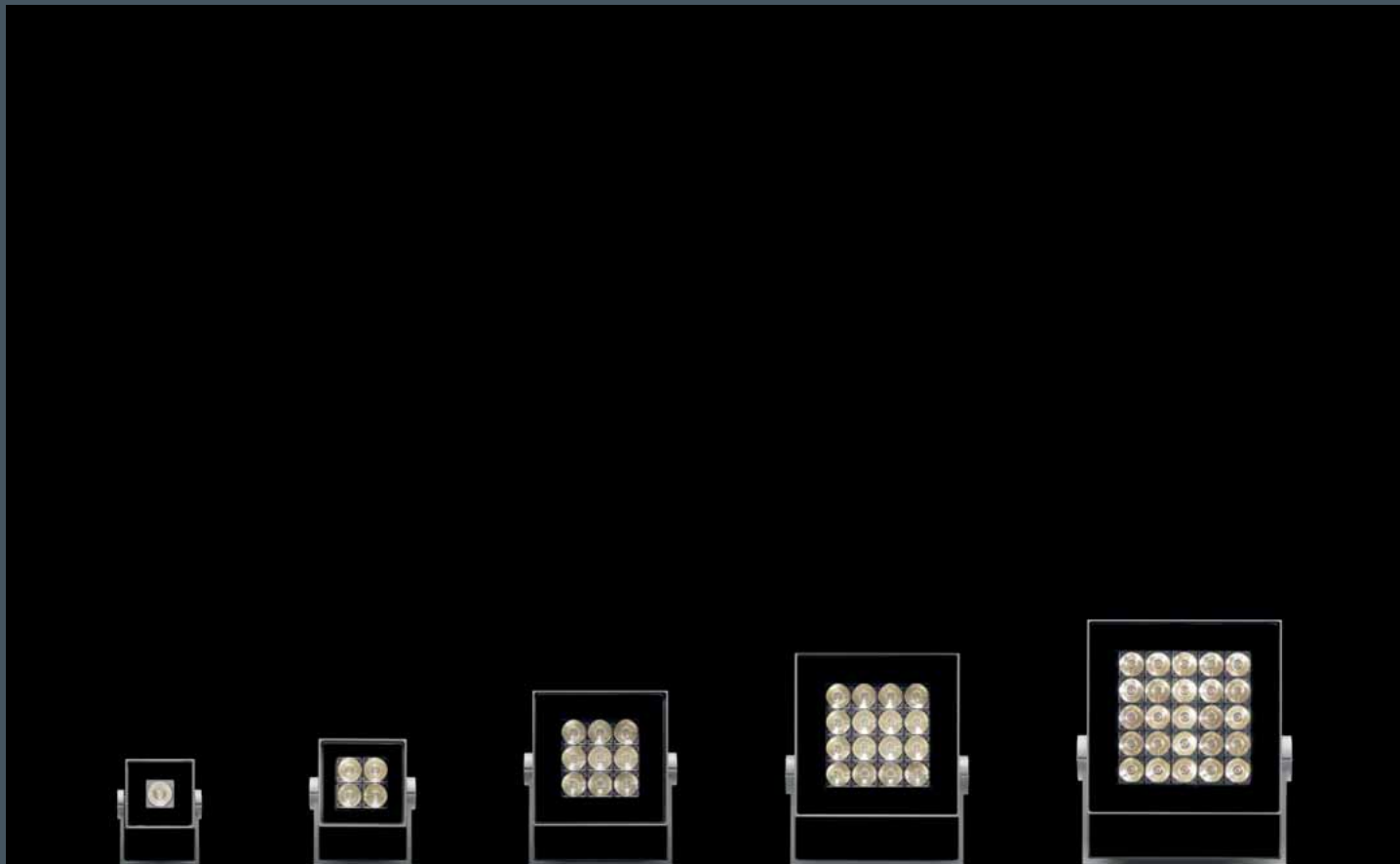
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 308 245 059	black	0.6 kg	1 x LED module 5 W	374 lm	C 0 - 180	
8 308 265 059	white		neutral white (4000 K)		66°	C 90 - 270
8 308 255 059	silver grey				64°	

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

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



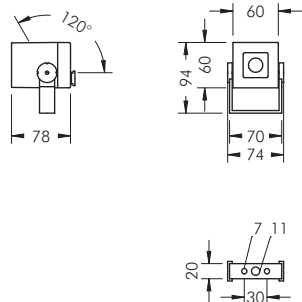
For Superlight Nano 2 there is an extra narrow beam optic available for accent lighting.



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.



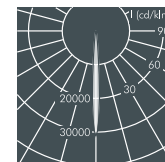
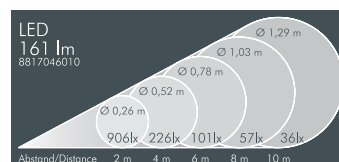


Superlight Nano 1

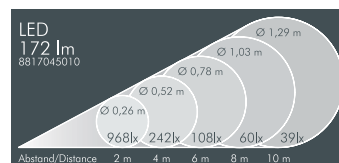
With high performance LED, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 IK07 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered 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)
8 817 046 019	black	0.5 kg	1 x LED 3 W warm white (3000 K)	161 lm	7°
8 817 066 019	white				
8 817 056 019	silver grey				

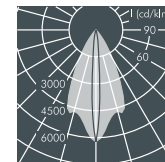
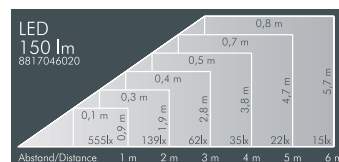


Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 817 045 019	black	0.5 kg	1 x LED 3 W neutral white (4000 K)	172 lm	7°
8 817 065 019	white				
8 817 055 019	silver grey				

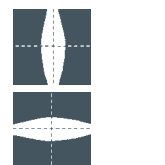
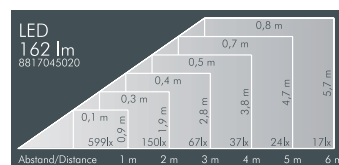


Superlight Nano 1, linear beam spread, vertical

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 817 046 029	black	0.5 kg	1 x LED 3 W warm white (3000 K)	150 lm	C 0 – 180	C 90 – 270
8 817 066 029	white				51°	8°
8 817 056 029	silver grey					



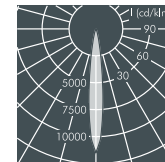
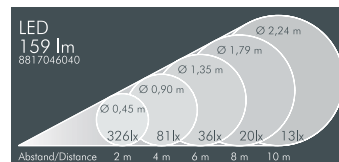
8 817 045 029	black	0.5 kg	1 x LED 3 W neutral white (4000 K)	162 lm	C 0 – 180	C 90 – 270
8 817 065 029	white				51°	8°
8 817 055 029	silver grey					



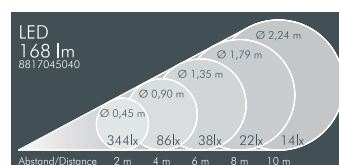
Part number*	Description
. 3.	Luminaire with linear beam spread, horizontal

Superlight Nano 1, medium wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 817 046 049	black	0.5 kg	1 x LED 3 W warm white (3000 K)	159 lm	13°
8 817 066 049	white				
8 817 056 049	silver grey				



Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 817 045 049	black	0.5 kg	1 x LED 3 W neutral white (4000 K)	168 lm	13°
8 817 065 049	white				
8 817 055 049	silver grey				

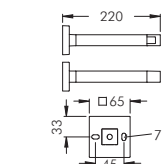


*Dimmable luminaires (DALI or 1-10 V) with external control gear unit and with further distribution options are available upon request.

LED (see page 247)

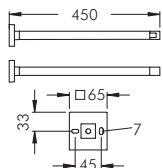
Luminaires available in 2700 K and other colour temperatures upon request



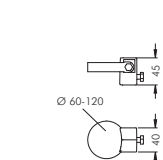


Accessories Superlight Nano 1

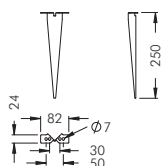
Part number	Colour	Description
128 0 738 940	black	Wall arm 220 mm,
128 0 738 960	white	aluminium, polyester powder coated
128 0 738 950	silver grey	



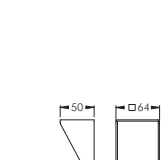
Part number	Colour	Description
128 0 739 940	black	Wall arm 450 mm,
128 0 739 960	white	aluminium, polyester powder coated
128 0 739 950	silver grey	



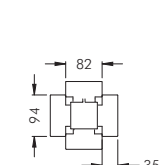
Part number	Colour	Description
128 0 760 940	black	Pole clamp, aluminium,
128 0 760 960	white	polyester powder coated, stainless steel strap,
128 0 760 950	silver grey	for mounting on poles Ø 60 - 120 mm



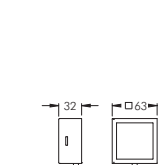
Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	



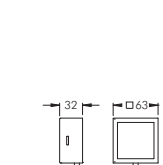
Part number	Colour	Description
128 0 653 940	black	Cowl, stainless steel,
128 0 653 960	white	to avoid glare from 3 directions,
128 0 653 950	silver grey	for retro-fitting



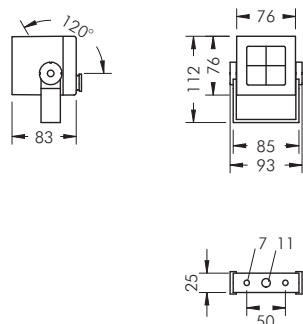
Part number	Colour	Description
128 0 761 940	black	Barn doors, aluminium,
128 0 761 960	white	to avoid glare from 4 directions,
128 0 761 950	silver grey	for retro-fitting



Part number	Colour	Description
128 0 751 941	black	Carrier frame,
128 0 751 961	white	with safety glass,
128 0 751 951	silver grey	for colour filters, lenses and plastic film



Part number	Colour	Description
128 0 751 940	black	Carrier frame with honeycomb louvre,
128 0 751 960	white	with safety glass,
128 0 751 950	silver grey	to avoid glare

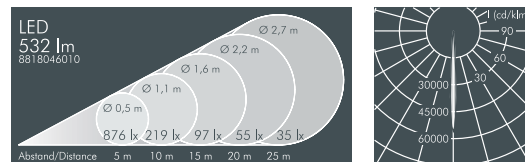


Superlight Nano 2

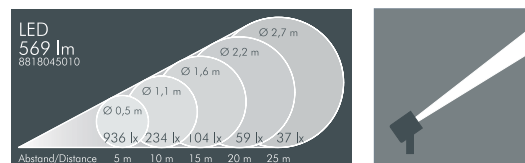
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 , IK08 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered 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)
8 818 046 019	black	0.9 kg	4 x LED 1.7 W	532 lm	6°
8 818 066 019	white		(7 W)		
8 818 056 019	silver grey		warm white (3000 K)		

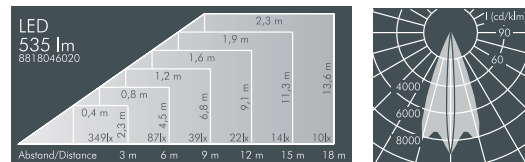


Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 818 045 019	black	0.9 kg	4 x LED 1.7 W	569 lm	6°
8 818 065 019	white		(7 W)		
8 818 055 019	silver grey		neutral white (4000 K)		

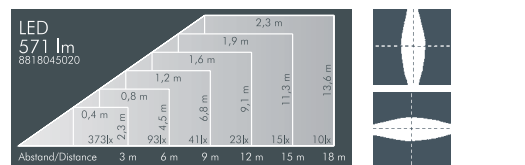


Superlight Nano 2, linear beam spread, vertical

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 818 046 029	black	0,9 kg	4 x LED 1.7 W	535 lm	C 0 – 180 C 90 – 270
8 818 066 029	white		(7 W)		41° 7°
8 818 056 029	silver grey		warm white (3000 K)		



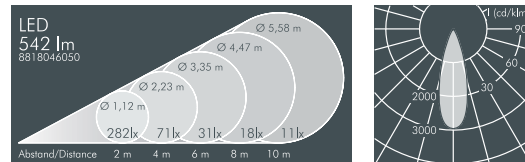
8 818 045 029	black	0,9 kg	4 x LED 1.7 W	571 lm	C 0 – 180 C 90 – 270
8 818 065 029	white		(7 W)		41° 7°
8 818 055 029	silver grey		neutral white (4000 K)		



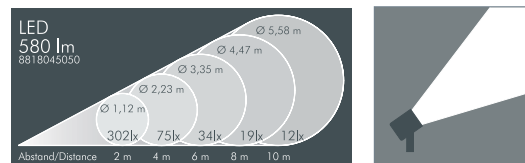
Part number*	Description
. 3.	Luminaire with linear beam spread, horizontal

Superlight Nano 2, wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 818 046 059	black	0.9 kg	4 x LED 1.7 W	542 lm	31°
8 818 066 059	white		(7 W)		
8 818 056 059	silver grey		warm white (3000 K)		



Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 818 045 059	black	0.9 kg	4 x LED 1.7 W	580 lm	31°
8 818 065 059	white		(7 W)		
8 818 055 059	silver grey		neutral white (4000 K)		

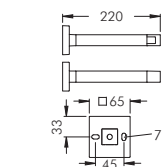


Part number*	Description	Light source
. 1..	Dimmable version (DALI)	4 x LED 1 W (4 W)

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

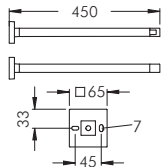
LED (see page 247)
Luminaires available in 2700 K and other colour temperatures upon request



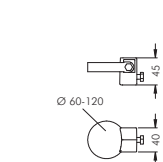


Accessories Superlight Nano 2

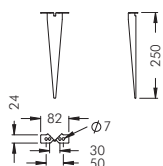
Part number	Colour	Description
128 0 738 940	black	Wall arm 220 mm,
128 0 738 960	white	aluminium, polyester powder coated
128 0 738 950	silver grey	



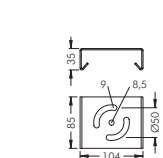
Part number	Colour	Description
128 0 739 940	black	Wall arm 450 mm,
128 0 739 960	white	aluminium, polyester powder coated
128 0 739 950	silver grey	



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

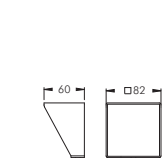


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

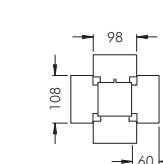


Part number	Description
120 0 621 940	Expandable tree strap with mounting plate, made of polyester fiber for trunk circumference 350 - 450 mm*, with polyester powder coated mounting plate

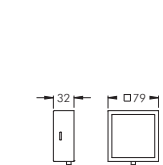
*different lengths available upon request



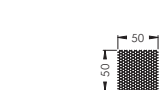
Part number	Colour	Description
128 0 664 940	black	Cowl, stainless steel,
128 0 664 960	white	to avoid glare from 3 directions,
128 0 664 950	silver grey	for retro-fitting



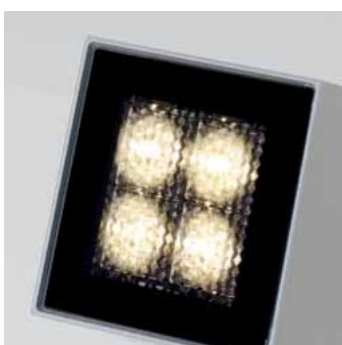
Part number	Colour	Description
128 0 762 940	black	Barn doors, aluminium,
128 0 762 960	white	to avoid glare from 4 directions,
128 0 762 950	silver grey	for retro-fitting

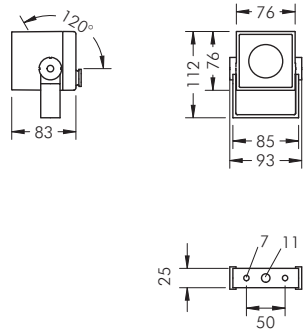


Part number	Colour	Description
128 0 752 941	black	Carrier frame,
128 0 752 961	white	with safety glass,
128 0 752 951	silver grey	for colour filters, lenses and plastic film



Part number	Description
238 1 205 000	Honeycomb louvre, internal (factory fitted, not for retro-fitting), to avoid glare





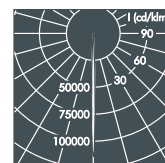
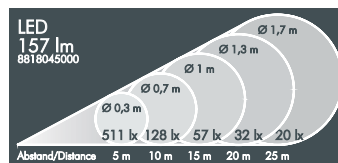
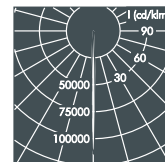
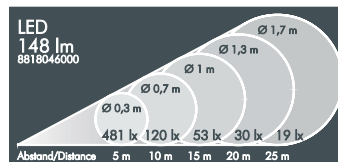
Superlight Nano 2

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 \blacklozenge \blacktriangle \blacktriangledown , 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 \varnothing 7 mm, spacing 50 mm,
 1 centre hole \varnothing 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)
8 818 046 009	black	0.9 kg	1 x LED 3 W warm white (3000 K)	148 lm	3°
8 818 066 009	white				
8 818 056 009	silver grey				

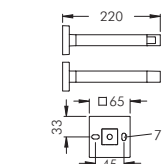
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 818 045 009	black	0.9 kg	1 x LED 3 W neutral white (4000 K)	157 lm	3°
8 818 065 009	white				
8 818 055 009	silver grey				



LED (see page 247)

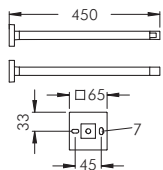
Luminaires available in 2700 K and other colour temperatures upon request



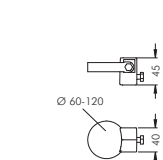


Accessories Superlight Nano 2

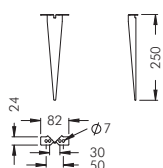
Part number	Colour	Description
128 0 738 940	black	Wall arm 220 mm,
128 0 738 960	white	aluminium, polyester powder coated
128 0 738 950	silver grey	



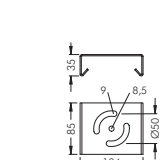
Part number	Colour	Description
128 0 739 940	black	Wall arm 450 mm,
128 0 739 960	white	aluminium, polyester powder coated
128 0 739 950	silver grey	



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

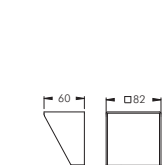


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

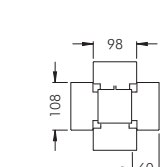


Part number	Description
120 0 621 940	Expandable tree strap with mounting plate, made of polyester fiber for trunk circumference 350 - 450 mm*, with polyester powder coated mounting plate

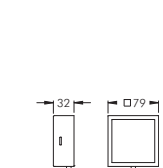
*different lengths available upon request



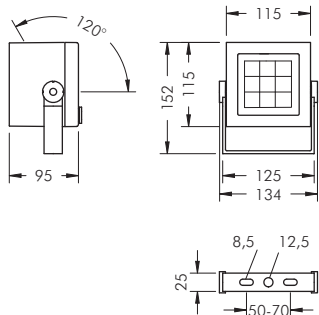
Part number	Colour	Description
128 0 664 940	black	Cowl, stainless steel,
128 0 664 960	white	to avoid glare from 3 directions,
128 0 664 950	silver grey	for retro-fitting



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



Part number	Colour	Description
128 0 752 941	black	Carrier frame,
128 0 752 961	white	with safety glass,
128 0 752 951	silver grey	for colour filters, lenses and plastic film

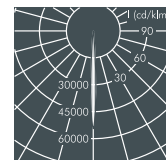
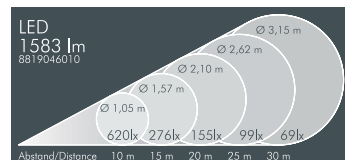


Superlight Nano 3

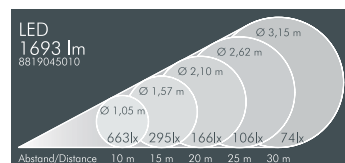
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 , IK08 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, powder coated die cast zinc mounting bracket with tilt scale: 2 drilled holes \varnothing 8.5 mm, spacing 50 - 70 mm, 1 centre hole \varnothing 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)
8 819 046 019	black	1.5 kg	9 x LED 2.4 W	1583 lm	6°
8 819 066 019	white		(22 W)		
8 819 056 019	silver grey		warm white (3000 K)		

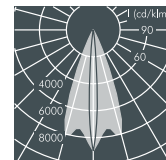
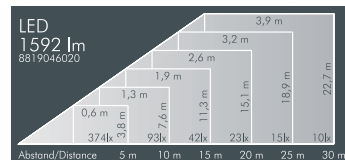


Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 819 045 019	black	1.5 kg	9 x LED 2.4 W	1693 lm	6°
8 819 065 019	white		(22 W)		
8 819 055 019	silver grey		neutral white (4000 K)		

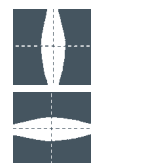
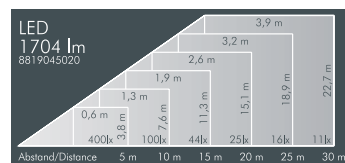


Superlight Nano 3, linear beam spread, vertical

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 819 046 029	black	1.5 kg	9 x LED 2.4 W	1592 lm	C 0 - 180	C 90 - 270
8 819 066 029	white		(22 W)		41°	7°
8 819 056 029	silver grey		warm white (3000 K)			



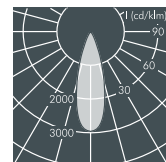
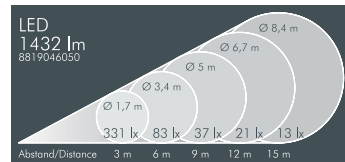
8 819 045 029	black	1.5 kg	9 x LED 2.4 W	1704 lm	C 0 - 180	C 90 - 270
8 819 065 029	white		(22 W)		41°	7°
8 819 055 029	silver grey		neutral white (4000 K)			



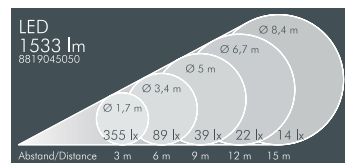
Part number*	Description
. 3.	Luminaire with linear beam spread, horizontal

Superlight Nano 3, wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 819 046 059	black	1.5 kg	9 x LED 2.4 W	1432 lm	31°
8 819 066 059	white		(22 W)		
8 819 056 059	silver grey		warm white (3000 K)		



Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 819 045 059	black	1.5 kg	9 x LED 2.4 W	1533 lm	31°
8 819 065 059	white		(22 W)		
8 819 055 059	silver grey		neutral white (4000 K)		



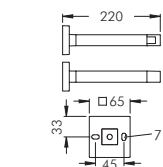
Part number*	Description
. 1..	Dimmable version (DALI)
. 2..	Dimmable version (1-10 V)
. 4..	Luminaire with 2 cable glands for through wiring

*Luminaires available with other light distributions upon request

LED (see page 247)

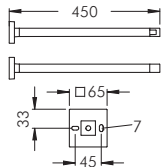
Luminaires available in 2700 K and other colour temperatures upon request



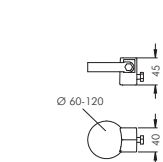


Accessories Superlight Nano 3

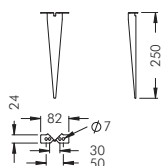
Part number	Colour	Description
128 0 738 940	black	Wall arm 220 mm,
128 0 738 960	white	aluminium, polyester powder coated
128 0 738 950	silver grey	



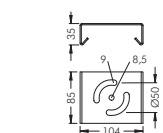
Part number	Colour	Description
128 0 739 940	black	Wall arm 450 mm,
128 0 739 960	white	aluminium, polyester powder coated
128 0 739 950	silver grey	



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

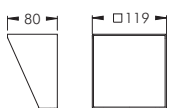


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

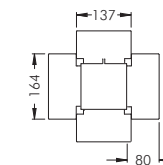


Part number	Description
120 0 621 940	Expandable tree strap with mounting plate, made of polyester fiber for trunk circumference 350 – 450 mm*, with polyester powder coated mounting plate

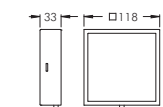
*different lengths available upon request



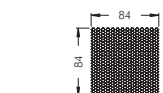
Part number	Colour	Description
128 0 679 940	black	Cowl, stainless steel,
128 0 679 960	white	to avoid glare from 3 directions,
128 0 679 950	silver grey	for retro-fitting



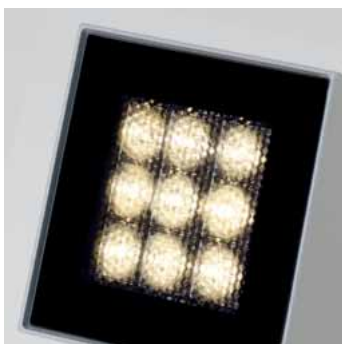
Part number	Colour	Description
128 0 763 940	black	Barn doors, aluminium,
128 0 763 960	white	to avoid glare from 4 directions,
128 0 763 950	silver grey	for retro-fitting



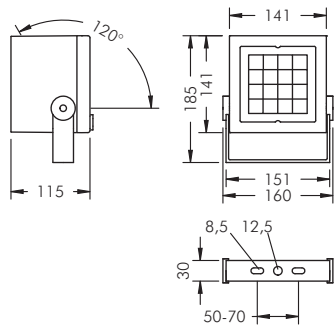
Part number	Colour	Description
128 0 753 941	black	Carrier frame,
128 0 753 961	white	with safety glass,
128 0 753 951	silver grey	for colour filters, lenses and plastic film



Part number	Description
238 1 206 000	Honeycomb louvre, internal (factory fitted, not for retro-fitting), 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 m²
 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)
8 821 046 019	black	2.3 kg	16 x LED 2.4 W (39 W)	2676 lm	6°
8 821 066 019	white				
8 821 056 019	silver grey				

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 821 045 019	black	2.3 kg	16 x LED 2.4 W (39 W)	2810 lm	6°
8 821 065 019	white				
8 821 055 019	silver grey				

Superlight Nano 4, linear beam spread, vertical

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 821 046 029	black	2.3 kg	16 x LED 2.4 W (39 W)	2652 lm	C 0 – 180	C 90 – 270
8 821 066 029	white				41°	7°
8 821 056 029	silver grey				warm white (3000 K)	

8 821 045 029	black	2.3 kg	16 x LED 2.4 W (39 W)	2785 lm	C 0 – 180	C 90 – 270
8 821 065 029	white				41°	7°
8 821 055 029	silver grey				neutral white (4000 K)	

Part number*	Description
.3.	Luminaire with linear beam spread, horizontal

Superlight Nano 4, wide beam

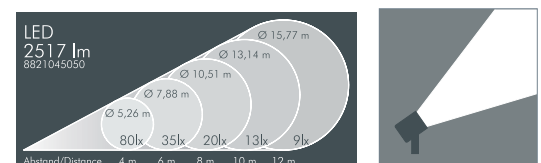
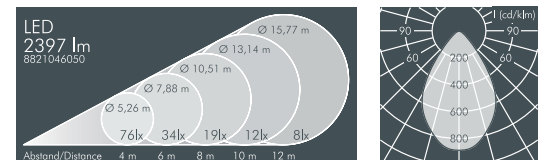
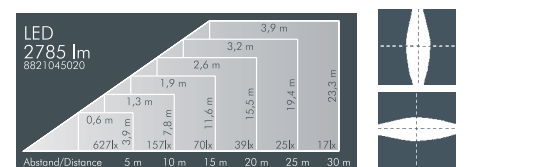
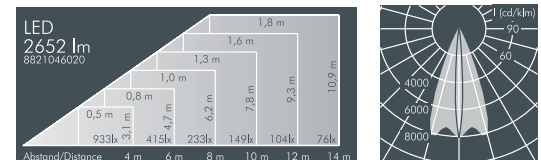
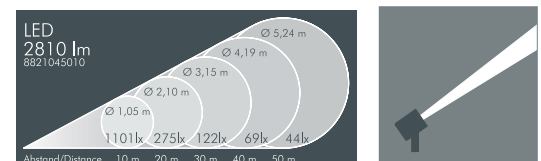
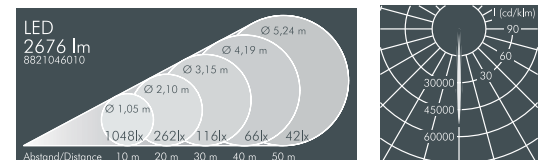
Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 821 046 059	black	2.3 kg	16 x LED 2.4 W (39 W)	2397 lm	66°
8 821 066 059	white				
8 821 056 059	silver grey				

8 821 045 059	black	2.3 kg	16 x LED 2.4 W (39 W)	2517 lm	66°
8 821 065 059	white				
8 821 055 059	silver grey				

Part number*	Description	Beam angle γ (FWHM)
.4.	Luminaire with medium wide beam optics	29°

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

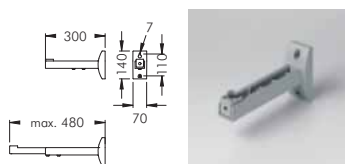
*Luminaires available with other light distributions upon request



LED (see page 247)

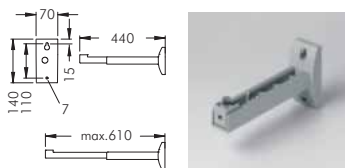
Luminaires available in 2700 K and other colour temperatures upon request



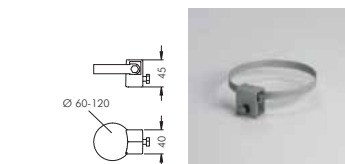


Accessories Superlight Nano 4

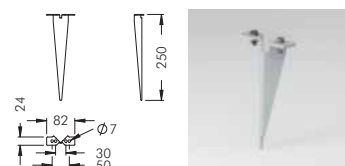
Part number	Colour	Description
128 0 700 940	black	Telescopic wall arm 300 - 480 mm,
128 0 700 960	white	aluminium, polyester powder coated
128 0 700 950	silver grey	



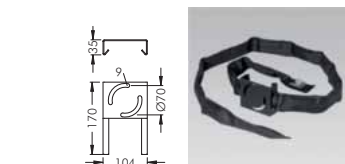
Part number	Colour	Description
128 0 730 940	black	Telescopic wall arm 440 - 610 mm,
128 0 730 960	white	aluminium, polyester powder coated
128 0 730 950	silver grey	



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

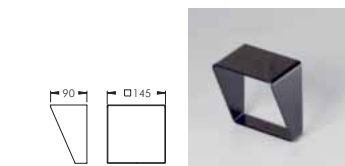


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

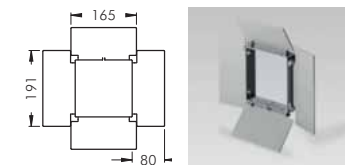


Part number	Description
120 0 623 940	Expandable tree strap with mounting plate, made of polyester fiber for trunk circumference 350 - 450 mm*, with polyester powder coated mounting plate

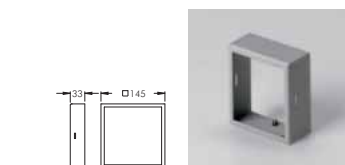
*different lengths available upon request



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



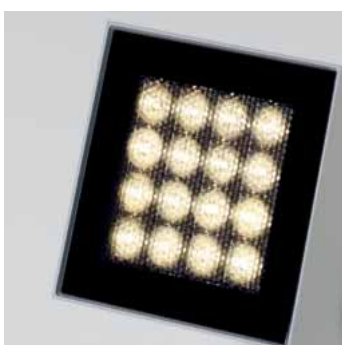
Part number	Colour	Description
128 0 815 940	black	Barn doors, aluminium,
128 0 815 960	white	to avoid glare from 4 directions,
128 0 815 950	silver grey	for retro-fitting

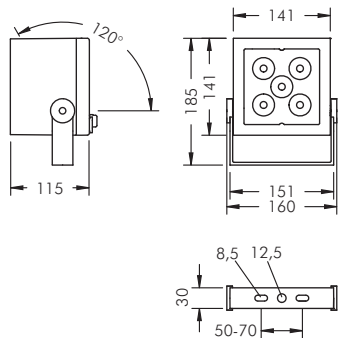


Part number	Colour	Description
128 0 816 941	black	Carrier frame,
128 0 816 961	white	with safety glass,
128 0 816 951	silver grey	for colour filters, lenses and plastic film



Part number	Description
238 1 207 000	Honeycomb louvre, internal (factory fitted, not for retro-fitting), to avoid glare





Superlight Nano 4 RGBW

With high performance LEDs RGBW, external DMX-controller required, integral temperature monitoring device protection class I, IP67 $\blacklozenge\blacklozenge\blacklozenge$, IK08 windage area AWW 0.02 m² 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 \varnothing 8.5 mm, spacing 50 - 70 mm, 1 centre hole \varnothing 12.5 mm, tilt range 120°, 2 x M20 cable gland, RDM compatible integral driver (AC/DC)

Superlight Nano 4 RGBW, narrow beam

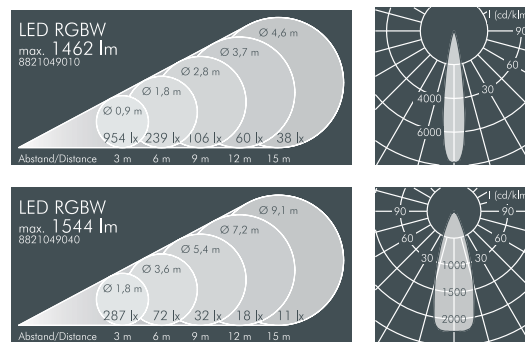
Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 821 049 019	black	2.3 kg	5 x LED RGBW (W = 3000 K) (max. 47 W)	max.	17°
8 821 069 019	white			1462 lm	
8 821 059 019	silver grey				

Superlight Nano 4 RGBW, medium wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 821 049 049	black	2.3 kg	5 x LED RGBW (W = 3000 K) (max. 47 W)	max.	34°
8 821 069 049	white			1544 lm	
8 821 059 049	silver grey				

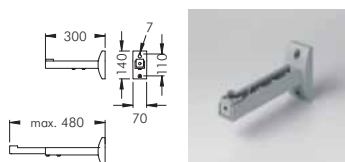
Part number*	Description
. 4..	Luminaire with 4 cable glands for through wiring

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

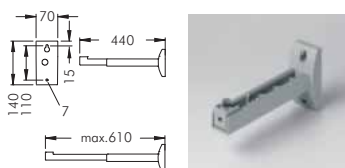


LED (see page 247)

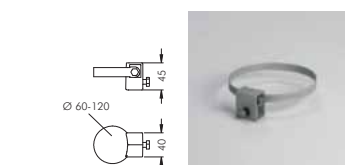




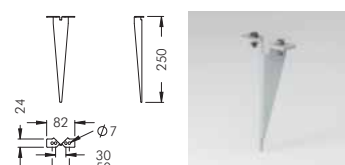
Accessories Superlight Nano 4		
Part number	Colour	Description
128 0 700 940	black	Telescopic wall arm 300 - 480 mm,
128 0 700 960	white	aluminium, polyester powder coated
128 0 700 950	silver grey	



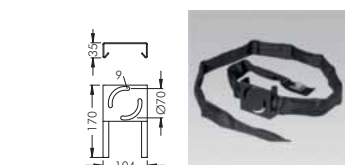
Part number	Colour	Description
128 0 730 940	black	Telescopic wall arm 440 - 610 mm,
128 0 730 960	white	aluminium, polyester powder coated
128 0 730 950	silver grey	



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

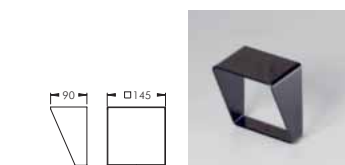


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

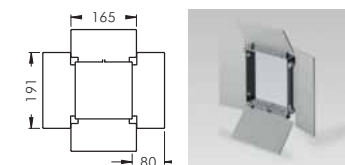


Part number	Description
120 0 623 940	Expandable tree strap with mounting plate,
	made of polyester fiber for trunk circumference 350 - 450 mm*,
	with polyester powder coated mounting plate

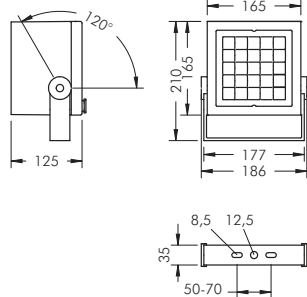
*different lengths available upon request




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



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

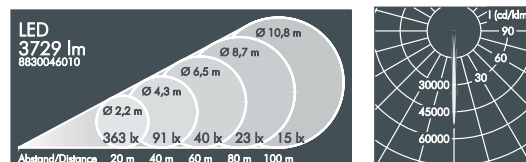


Superlight Nano 5

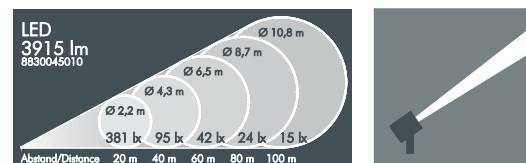
With high performance LEDs, integral temperature monitoring device, CRI: > 80, colour tolerance: max. 2 SDCM service life: L90/B10 > 50 000 h protection class I, IP65 , IK08 windage area AW 0.03 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts 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)
8 830 046 019	black	3.2 kg	25 x LED 2.3 W	3729 lm	6°
8 830 066 019	white		(57 W)		
8 830 056 019	silver grey		warm white (3000 K)		



Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 830 045 019	black	3.2 kg	25 x LED 2.3 W	3915 lm	6°
8 830 065 019	white		(57 W)		
8 830 055 019	silver grey		neutral white (4000 K)		

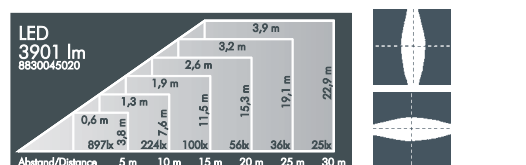


Superlight Nano 5, linear beam spread, vertical

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 830 046 029	black	3.2 kg	25 x LED 2.3 W	3715 lm	C 0 - 180	C 90 - 270
8 830 066 029	white		(57 W)		42°	7°
8 830 056 029	silver grey		warm white (3000 K)			



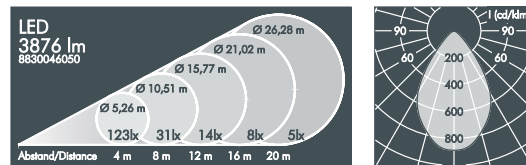
8 830 045 029	black	3.2 kg	25 x LED 2.3 W	3901 lm	C 0 - 180	C 90 - 270
8 830 065 029	white		(57 W)		42°	7°
8 830 055 029	silver grey		neutral white (4000 K)			



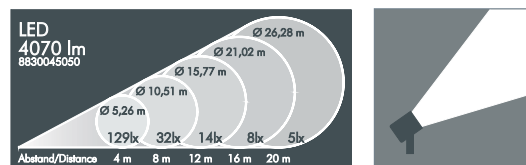
Part number*	Description
.3.	Luminaire with linear beam spread, horizontal

Superlight Nano 5, wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 830 046 059	black	3.2 kg	25 x LED 2.3 W	3876 lm	66°
8 830 066 059	white		(57 W)		
8 830 056 059	silver grey		warm white (3000 K)		



8 830 045 059	black	3.2 kg	25 x LED 2.3 W	4070 lm	66°
8 830 065 059	white		(57 W)		
8 830 055 059	silver grey		neutral white (4000 K)		



Part number*	Description	Beam angle γ (FWHM)
.4.	Luminaire with medium wide beam optics	29°

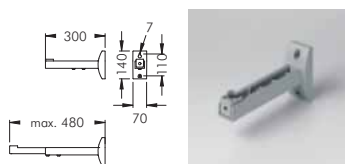
Part number*	Description
. 1..	Dimmable version (DALI)
. 2..	Dimmable version (1-10 V)
. 4..	Luminaire with 2 cable glands for through wiring

*Luminaires available with other light distributions upon request

LED (see page 247)

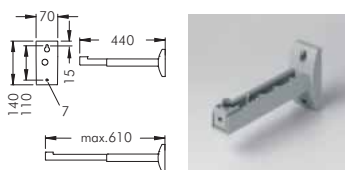
Luminaires available in 2700 K and other colour temperatures upon request



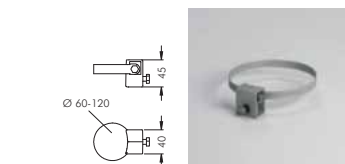


Accessories Superlight Nano 5

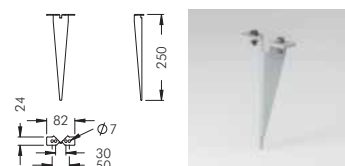
Part number	Colour	Description
128 0 700 940	black	Telescopic wall arm 300 - 480 mm,
128 0 700 960	white	aluminium, polyester powder coated
128 0 700 950	silver grey	



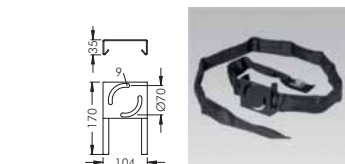
Part number	Colour	Description
128 0 730 940	black	Telescopic wall arm 440 - 610 mm,
128 0 730 960	white	aluminium, polyester powder coated
128 0 730 950	silver grey	



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

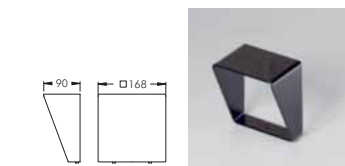


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

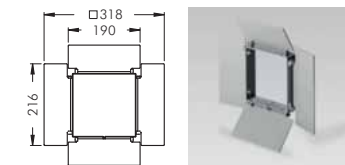


Part number	Description
120 0 623 940	Expandable tree strap with mounting plate, made of polyester fiber for trunk circumference 350 - 450 mm*, with polyester powder coated mounting plate

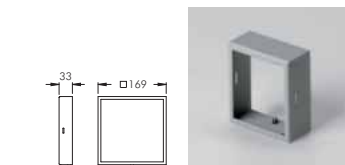
*different lengths available upon request



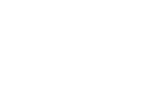
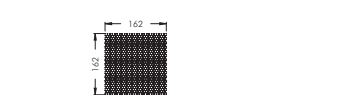
Part number	Colour	Description
128 0 862 940	black	Cowl, stainless steel,
128 0 862 960	white	to avoid glare from 3 directions,
128 0 862 950	silver grey	for retro-fitting



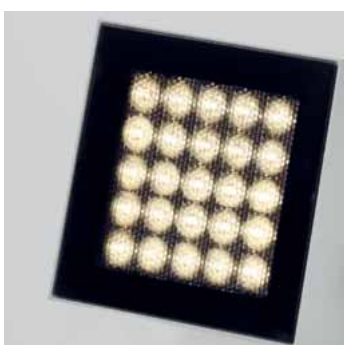
Part number	Colour	Description
128 0 861 940	black	Barn doors, aluminium,
128 0 861 960	white	to avoid glare from 4 directions,
128 0 861 950	silver grey	for retro-fitting



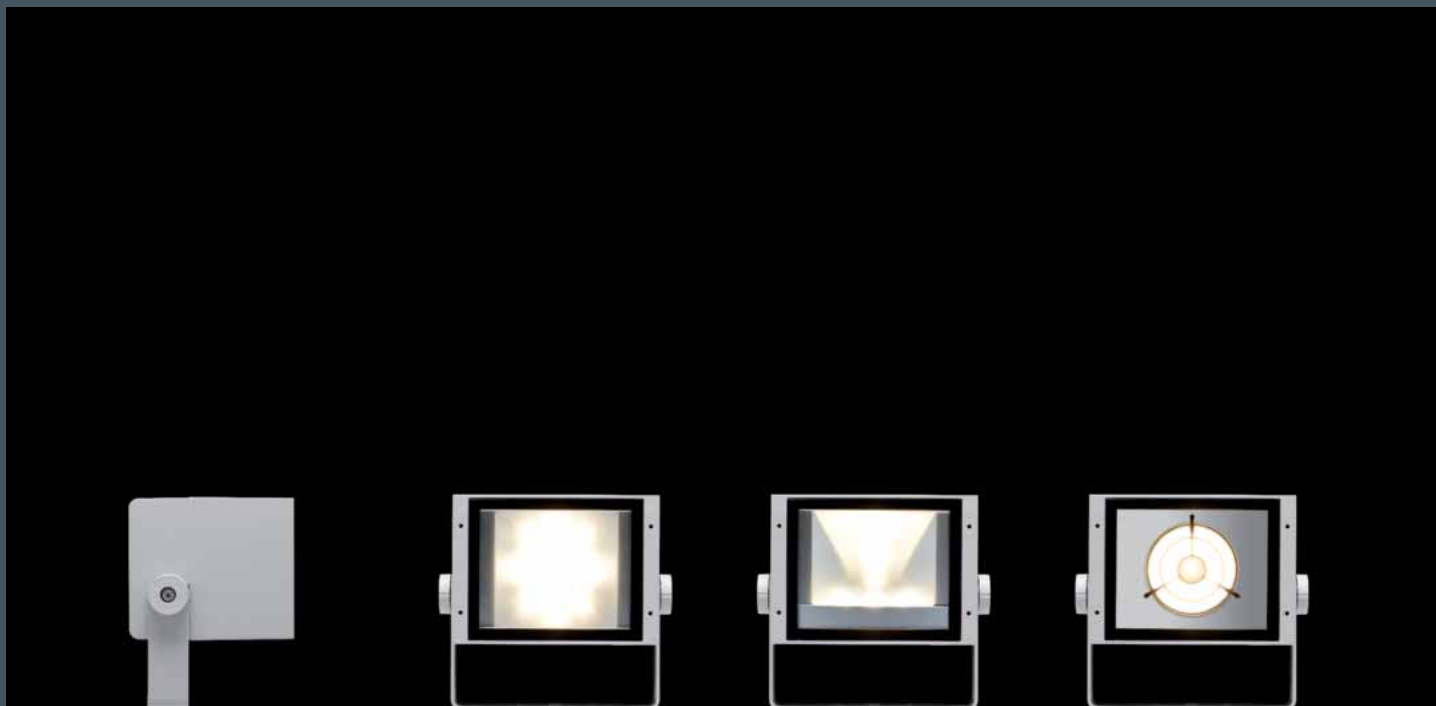
Part number	Colour	Description
128 0 860 941	black	Carrier frame,
128 0 860 961	white	with safety glass,
128 0 860 951	silver grey	for colour filters, lenses and plastic film



Part number	Description
238 1 242 000	Honeycomb louvre, internal (factory fitted, not for retro-fitting), 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.

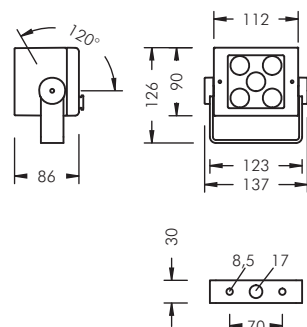





Superlight Compact Micro is the smallest size of the series. There is a choice of different light distributions. Optionally, the LEDs are dimmable.

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





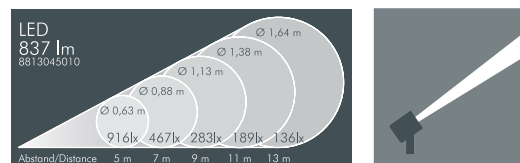
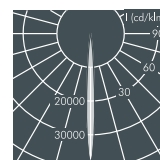
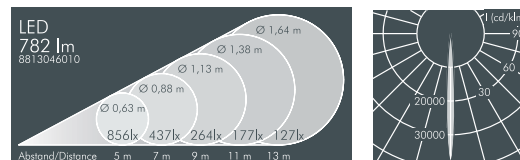
Superlight Compact Micro

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 \varnothing 8.5 mm, spacing 70 mm,
 1 centre hole \varnothing 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)
8 813 046 019	black	1.0 kg	5 x LED 2.5 W	782 lm	7°
8 813 066 019	white		(13 W)		
8 813 056 019	silver grey		warm white (3000 K)		

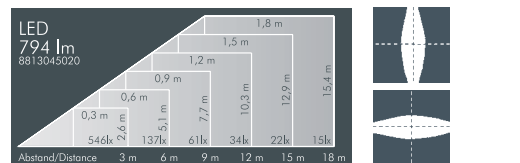
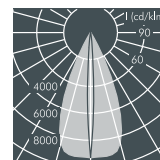
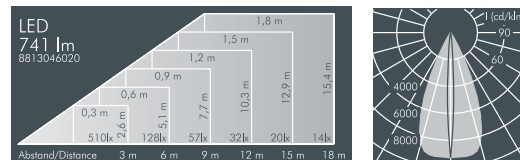
8 813 045 019	black	1.0 kg	5 x LED 2.5 W	837 lm	7°
8 813 065 019	white		(13 W)		
8 813 055 019	silver grey		neutral white (4000 K)		



Superlight Compact Micro, linear beam spread, vertical

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 813 046 029	black	1.0 kg	5 x LED 2.5 W	741 lm	C 0 - 180
8 813 066 029	white		(13 W)		46°
8 813 056 029	silver grey		warm white (3000 K)		6°

8 813 045 029	black	1.0 kg	5 x LED 2.5 W	794 lm	C 0 - 180
8 813 065 029	white		(13 W)		46°
8 813 055 029	silver grey		neutral white (4000 K)		6°

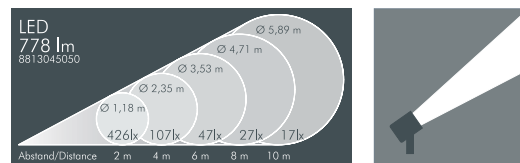
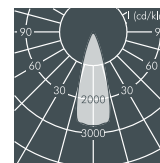
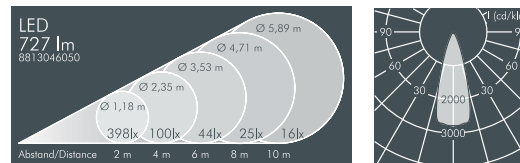


Part number	Description
. 3.	Luminaire with linear beam spread, horizontal

Superlight Compact Micro, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 813 046 059	black	1.0 kg	5 x LED 2.5 W	727 lm	33°
8 813 066 059	white		(13 W)		
8 813 056 059	silver grey		warm white (3000 K)		

8 813 045 059	black	1.0 kg	5 x LED 2.5 W	778 lm	33°
8 813 065 059	white		(13 W)		
8 813 055 059	silver grey		neutral white (4000 K)		



Part number	Description
. 4.	Luminaire with medium wide beam optics, 20°

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

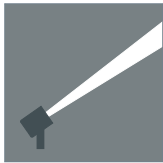
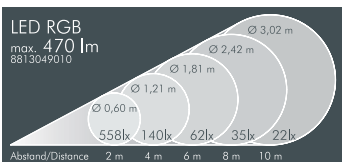
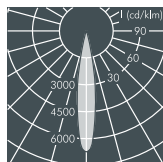
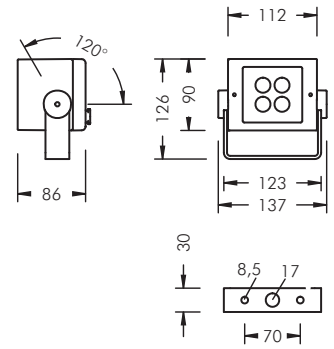
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

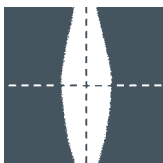
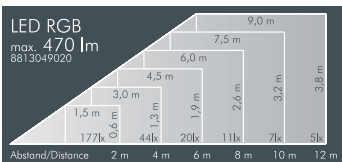
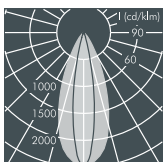


Superlight Compact Micro RGB

For external DMX control.
 With high performance LEDs RGB,
 integral temperature monitoring device,
 protection class I, IP67     , IK08
 corrosion-resistant die cast aluminium housing AISi12,
 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 \varnothing 8.5 mm, spacing 70 mm,
 1 centre hole \varnothing 17 mm, tilt range 120°,
 3 x M16 cable gland, integral driver,
 separate DMX controller required

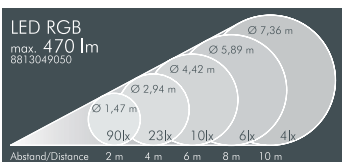
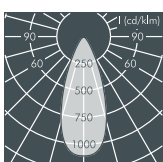


Superlight Compact Micro RGB, narrow beam					
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 813 049 019	black	1.0 kg	4 x LED RGB 3.2 W (13 W)	max. 470 lm	17°
8 813 069 019	white				
8 813 059 019	silver grey				



Superlight Compact Micro RGB, linear beam spread, vertical					
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 813 049 029	black	1.0 kg	4 x LED RGB 3.2 W (13 W)	max. 470 lm	C 0 – 180
8 813 069 029	white				42°
8 813 059 029	silver grey				18°

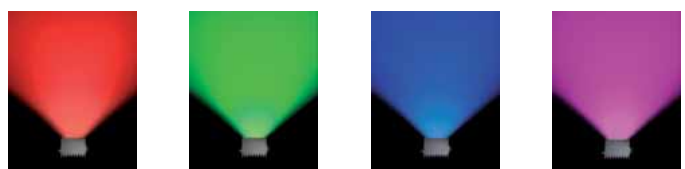
Part number	Description
... .3.	Luminaire with linear beam spread, horizontal



Superlight Compact Micro RGB, wide beam					
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 813 049 059	black	1.0 kg	4 x LED RGB 3.2 W (13 W)	max. 470 lm	40°
8 813 069 059	white				
8 813 059 059	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.

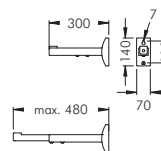


LED (see page 247) The luminaires are available with LEDs in different colour combinations upon request.

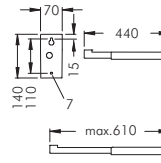


Accessories Superlight Compact Micro/Superlight Compact Micro RGB

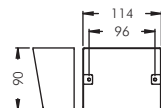
Part number	Colour	Description
128 0 700 940	black	Telescopic wall arm, 300 - 480 mm aluminium, polyester powder coated
128 0 700 960	white	
128 0 700 950	silver grey	



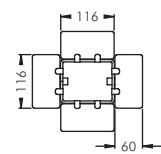
Part number	Colour	Description
128 0 730 940	black	Telescopic wall arm, 440 - 610 mm aluminium, polyester powder coated
128 0 730 960	white	
128 0 730 950	silver grey	



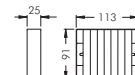
Part number	Colour	Description
128 0 589 940	black	Cowl, stainless steel, to avoid glare from 3 directions, for retro-fitting (one accessory per luminaire; not in combination)
128 0 589 960	white	
128 0 589 950	silver grey	



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

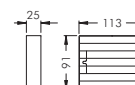


Part number	Colour	Description
128 0 640 940	black	Vertical louvre*, stainless steel, to reduce lateral glare, for mounting on front of floodlight
128 0 640 960	white	
128 0 640 950	silver grey	



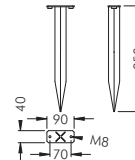
* For retro-fitting. Only one accessory per luminaire, not in combination.

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

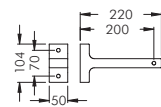


* For retro-fitting. Only one accessory per luminaire, not in combination.

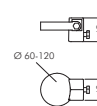
Part number	Colour	Description
129 0 390 940	black	Earth spike, stainless steel, for use in landscaped areas
129 0 390 960	white	
129 0 390 950	silver grey	



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



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



Accessories Superlight Compact Micro

Part number	Description
238 1 206 000	Honeycomb louvre, internal (factory fitted, not for retro-fitting), to avoid glare




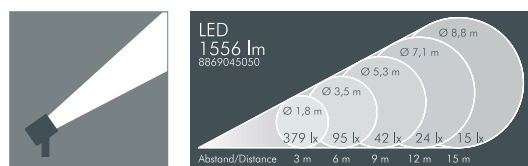
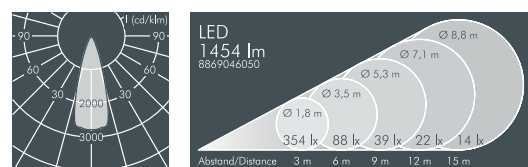
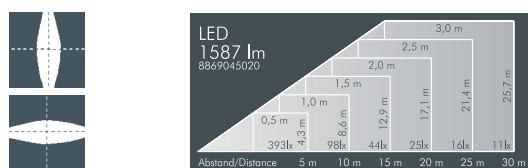
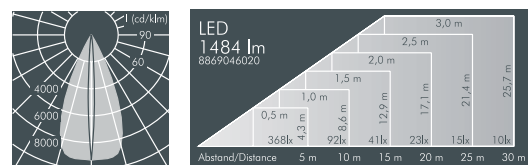
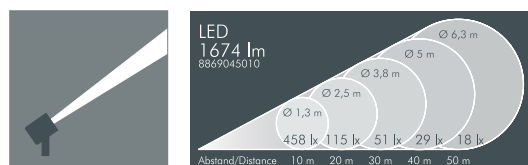
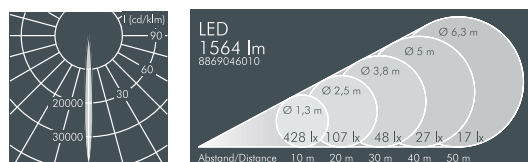
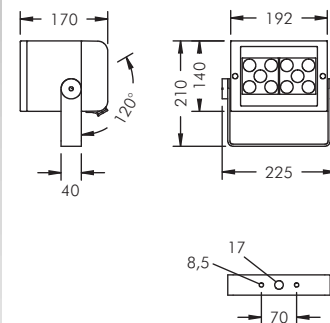
Accessories Superlight Compact Micro RGB

Part number	Description
127 0 189 000	DMX controller, USB 2.0 connector for programming via PC, incl. software, 512 addressable DMX channels, 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)
8 869 046 019	black	2.8 kg	10 x LED 2.5 W	1564 lm	7°
8 869 066 019	white		(25 W)		
8 869 056 019	silver grey		warm white (3000 K)		

8 869 045 019	black	2.8 kg	10 x LED 2.5 W	1674 lm	7°
8 869 065 019	white		(25 W)		
8 869 055 019	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)
8 869 046 029	black	2.8 kg	10 x LED 2.5 W	1484 lm	C 0 – 180
8 869 066 029	white		(25 W)		C 90 – 270
8 869 056 029	silver grey		warm white (3000 K)		46°

8 869 045 029	black	2.8 kg	10 x LED 2.5 W	1587 lm	C 0 – 180
8 869 065 029	white		(25 W)		C 90 – 270
8 869 055 029	silver grey		neutral white (4000 K)		46°

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)
8 869 046 059	black	2.8 kg	10 x LED 2.5 W	1454 lm	33°
8 869 066 059	white		(25 W)		
8 869 056 059	silver grey		warm white (3000 K)		

8 869 045 059	black	2.8 kg	10 x LED 2.5 W	1556 lm	33°
8 869 065 059	white		(25 W)		
8 869 055 059	silver grey		neutral white (4000 K)		

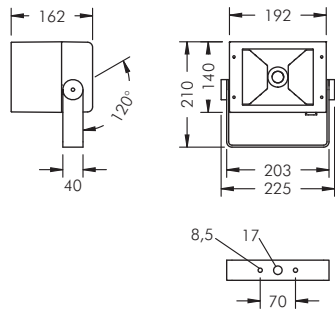
Part number	Description
..... .4.	Luminaire with medium wide beam optics, 20°

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

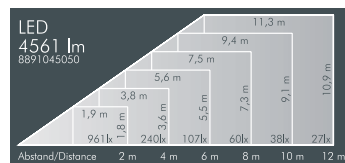
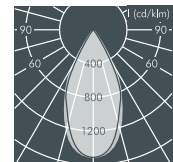
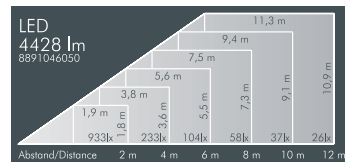
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 , IK09
 windage area AW 0.04 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high 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
8 891 046 059	black	2.6 kg	1 x LED module 46 W warm white (3000 K)	4428 lm	49°	50°
8 891 066 059	white					
8 891 056 059	silver grey					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 891 045 059	black	2.6 kg	1 x LED module 46 W neutral white (4000 K)	4561 lm	49°	50°
8 891 065 059	white					
8 891 055 059	silver grey					

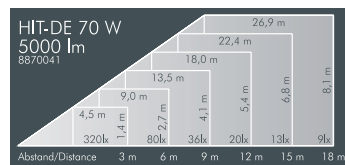
Part number	Description
. 1..	Dimmable luminaire (DALI)
. 2..	Dimmable luminaire (1-10 V)
. 4..	Luminaire with 2 cable glands for through wiring
. 5..	Luminaire dimmable version (DALI) with 2 cable glands for through wiring
. 6..	Luminaire dimmable version (1-10 V) with 2 cable glands for through wiring



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)





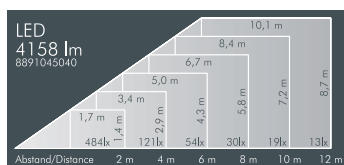
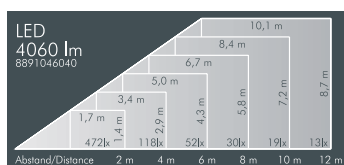
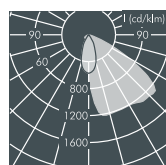
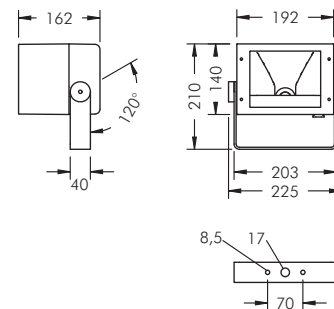
LED (see page 247)

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 m²
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)

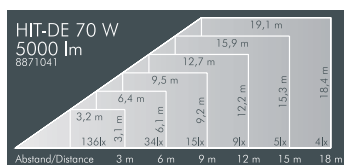


Superlight Compact LED, asymmetrical wide beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 891 046 049	black	2.6 kg	1 x LED module 46 W warm white (3000 K)	4060 lm	48°
8 891 066 049	white				
8 891 056 049	silver grey				

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 891 045 049	black	2.6 kg	1 x LED module 46 W neutral white (4000 K)	4158 lm	48°
8 891 065 049	white				
8 891 055 049	silver grey				

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



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

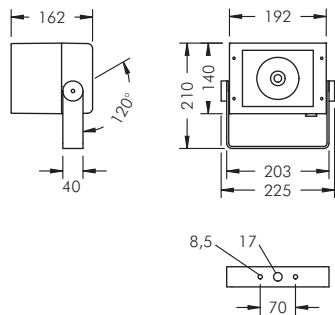
HIT-DE 70 W: 9 lux average level (distance 12 m)

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 AW 0.04 m²
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)

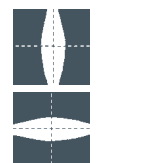
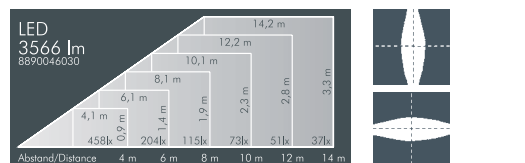
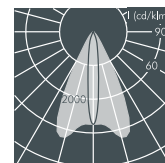
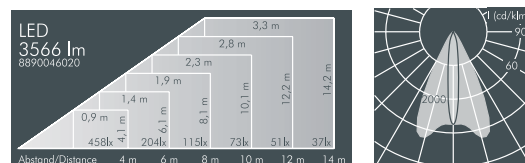
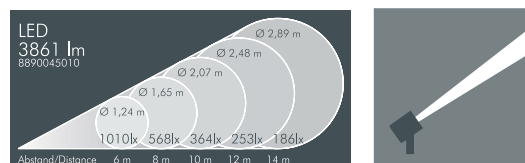
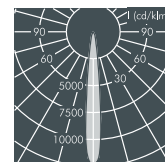
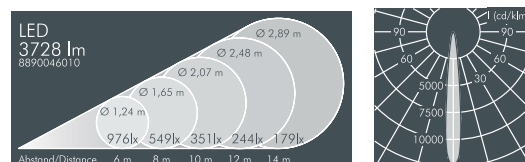
Superlight Compact LED, rotationally symmetrical narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 890 046 019	black	2.6 kg	1 x LED module 48 W warm white (3000 K)	3728 lm	C 0 – 180 11°
8 890 066 019	white				
8 890 056 019	silver grey				

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 890 045 019	black	2.6 kg	1 x LED module 48 W neutral white (4000 K)	3861 lm	C 0 – 180 11°
8 890 065 019	white				
8 890 055 019	silver grey				

Superlight Compact LED, rotationally symmetrical narrow beam

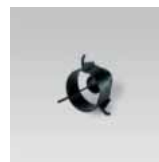
Part number	Beam direction	Description	Beam angle γ (FWHM)	
			C 0 – 180	C 90 – 270
.2.	vertical	Floodlight with ribbed glass	54°	11°
.3.	horizontal	for linear beam control	11°	54°



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

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

Part number	Description
128 0 827 940	Radial louvre, internally fitted, to reduce glare and scattered light





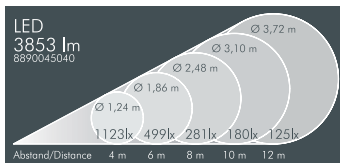
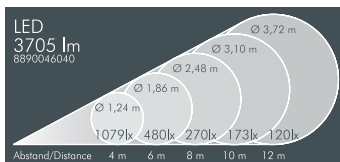
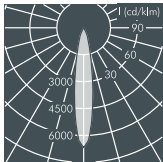
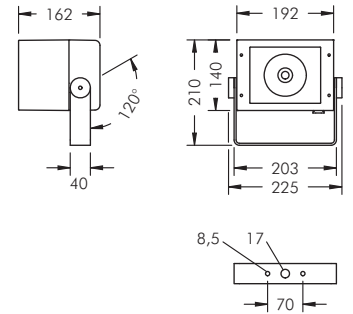
LED (see page 247)

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 AW 0.04 m²
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)
8 890 046 049	black	2.6 kg	1 x LED module 48 W warm white (3000 K)	3705 lm	C 0 – 180 18°
8 890 066 049	white				
8 890 056 049	silver grey				

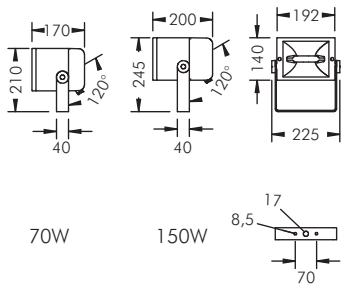
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 890 045 049	black	2.6 kg	1 x LED module 48 W neutral white (4000 K)	3853 lm	C 0 – 180 18°
8 890 065 049	white				
8 890 055 049	silver grey				

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

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



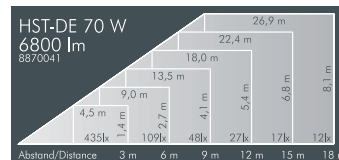
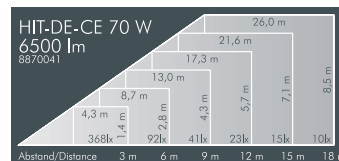
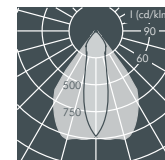
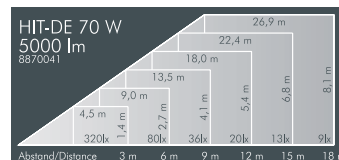


Superlight Compact axially symmetrical wide beam

For metal halide lamps (HIT-DE), ceramic metal halide lamps (HIT-DE-CE) high pressure sodium lamps (HST-DE) protection class I, IP65 $\diamond \triangle \triangle$, 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

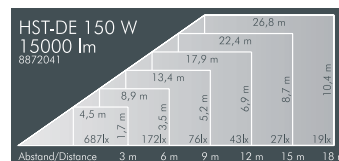
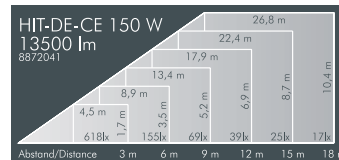
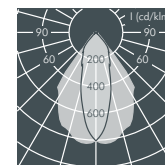
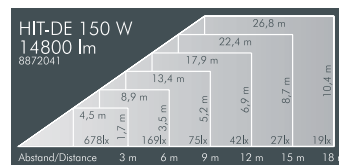
Superlight Compact 70 W, axially symmetrical wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
8 870 041 009	black	HIT-DE 70 W	Rx7s	3.8 kg	C 0 – 180	C 90 – 270
8 870 061 009	white	HIT-DE-CE 70 W			27°	71°
8 870 051 009	silver grey	HST-DE 70 W				



Superlight Compact 150 W, axially symmetrical wide beam

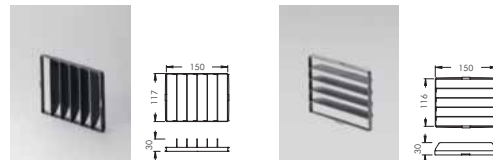
Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
8 872 041 009	black	HIT-DE 150 W	Rx7s	5.2 kg	C 0 – 180	C 90 – 270
8 872 061 009	white	HIT-DE-CE 150 W			32°	72°
8 872 051 009	silver grey	HST-DE 150 W				



Part number	Description
• • • 3 • • •	Superlight Compact with pre-assembled Light Lock

Accessories Superlight Compact 70 W

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



Lamps

HIT-DE



HIT-DE-CE

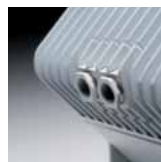
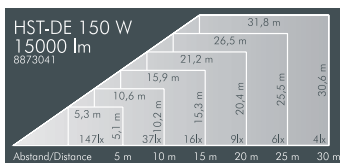
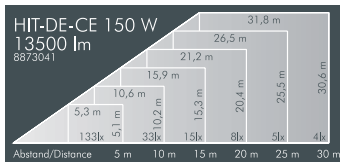
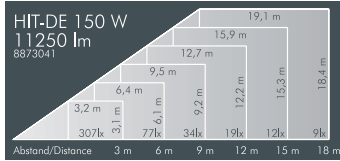
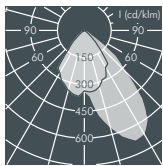
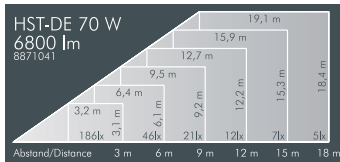
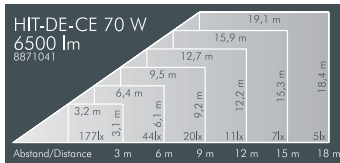
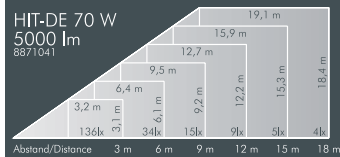
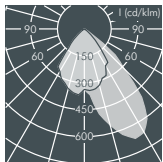
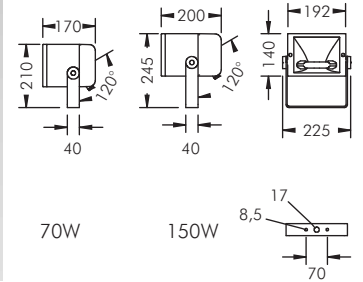


HST-DE



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 \blacklozenge \blacktriangle \blacktriangle , 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 70 W, asymmetrical wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
8 871 041 009	black	HIT-DE 70 W	RxZ's	3.8 kg	C 0 – 180	C 90 – 270
8 871 061 009	white	HIT-DE-CE 70 W			44°	74°
8 871 051 009	silver grey	HST-DE 70 W				

Superlight Compact 150 W, asymmetrical wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
8 873 041 009	black	HIT-DE 150 W	RxZ's	5.2 kg	C 0 – 180	C 90 – 270
8 873 061 009	white	HIT-DE-CE 150 W			44°	74°
8 873 051 009	silver grey	HST-DE 150 W				

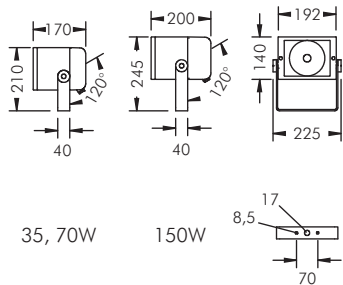
Part number	Description
• • • • • 3 • • • • •	Superlight Compact with pre-assembled Light Lock

Superlight Compact 70/150 W axially symmetrical and asymmetrical wide beam

Part number	Description
• • • • • 4 • • • • •	Luminaire with 2 cable glands for through wiring

Lamps



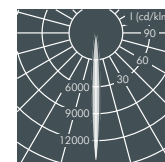
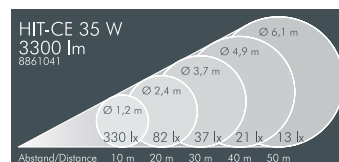


Superlight Compact rotationally symmetrical narrow beam

For metal halide lamps (HIT), ceramic metal halide lamps (HIT-CE), protection class I, IP65 $\diamond \triangle \triangle$, 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

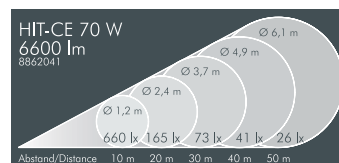
Superlight Compact 35 W, rotationally symmetrical narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 861 041 009	black	HIT-CE 35 W	G12	3.7 kg	C 0 – 180
8 861 061 009	white				7°
8 861 051 009	silver grey				



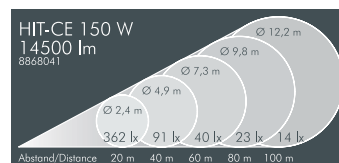
Superlight Compact 70 W, rotationally symmetrical narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 862 041 009	black	HIT 70 W	G12	3.8 kg	C 0 – 180
8 862 061 009	white				7°
8 862 051 009	silver grey				



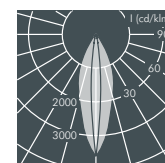
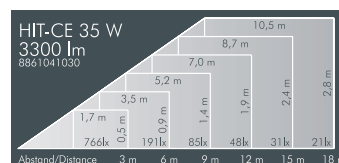
Superlight Compact 150 W, rotationally symmetrical narrow beam *

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 868 041 009	black	HIT 150 W	G12	5.2 kg	C 0 – 180
8 868 061 009	white				8°
8 868 051 009	silver grey				

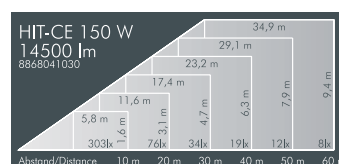
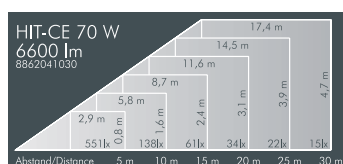


Superlight Compact 35/70/150 W, rotationally symmetrical, narrow beam*

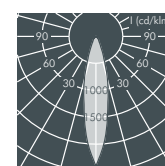
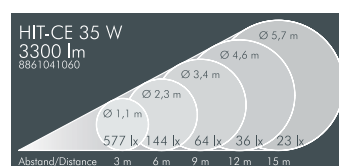
Part number	Beam direction	Description	Beam angle γ (FWHM)
..... 2.	vertical	Floodlight with ribbed glass for linear beam control	C 0 – 180 C 90 – 270
..... 3.	horizontal		9° 33°



* not suitable for use with colour filters



Part number	Description	Beam angle γ (FWHM)
..... 6.	Floodlight with prismatic glass for diffused light distribution	22°



Part number	Description
..... 3	Superlight Compact with pre-assembled Light Lock

Lamps

HIT

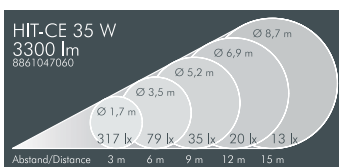
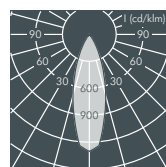
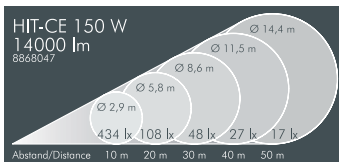
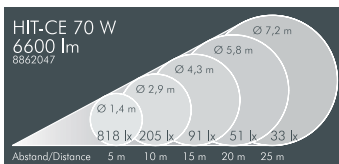
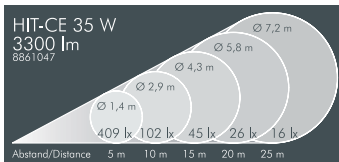
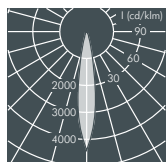
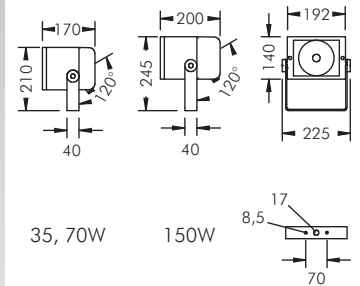


HIT-CE



Superlight Compact rotationally symmetrical medium wide beam

For metal halide lamps (HIT), ceramic metal halide lamps (HIT-CE), protection class I, IP65 \blacklozenge \blacktriangle \blacktriangle , 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, HPP available on request (see page 246), supplied without lamp



Superlight Compact 35 W, rotationally symmetrical medium wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 861 047 009	black	HIT-CE 35 W	G12	3.7 kg	C 0 – 180 16°
8 861 067 009	white				
8 861 057 009	silver grey				

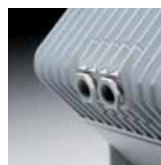
Superlight Compact 70 W, rotationally symmetrical medium wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 862 047 009	black	HIT 70 W	G12	3.8 kg	C 0 – 180 16°
8 862 067 009	white	HIT-CE 70 W			
8 862 057 009	silver grey				

Superlight Compact 150 W, rotationally symmetrical medium wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 868 047 009	black	HIT 150 W	G12	5.2 kg	C 0 – 180 17°
8 868 067 009	white	HIT-CE 150 W			
8 868 057 009	silver grey				

Part number	Description	Beam angle γ (FWHM)
• • • • • .6.	Floodlight with prismatic glass for diffused light distribution	32°



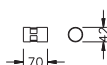
Superlight 35/70/150 W rotationally symmetrical, narrow beam and medium wide beam

Part number	Description
• • • • • 4 ..	Luminaire with 2 cable glands for through wiring



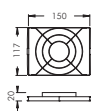
Accessories Superlight Compact 35/70/150 W rotationally symmetrical narrow beam and medium wide beam

Part number	Description
128 0 370 000	Glare control sleeve , to reduce scattered light



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

Part number	Description
128 0 585 000	Radial louvre , internally fitted, to reduce glare from all directions

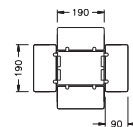


Lamps

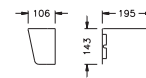


Accessories Superlight Compact/Superlight Compact LED

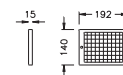
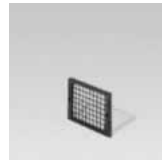
Part number	Colour	Description
128 0 035 940	black	Barn doors* , aluminium, to avoid glare from 4 directions, variable control of light distribution, for mounting on front of floodlight
128 0 035 960	white	
128 0 035 950	silver grey	



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

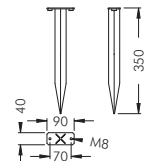


Part number	Colour	Description
128 0 352 940	black	Protection grill* , stainless steel, c/w aluminium frame, to protect the glass from stone chip and vandalism, for mounting on front of floodlight
128 0 352 960	white	
128 0 352 950	silver grey	

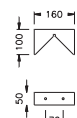


*for retro-fitting, only one accessory per luminaire, not in combination

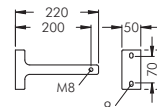
Part number	Colour	Description
129 0 390 940	black	Earth spike , stainless steel, for use in landscaped areas
129 0 390 960	white	
129 0 390 950	silver grey	



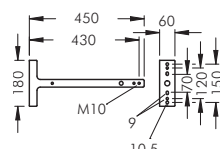
Part number	Colour	Description
125 0 197 940	black	Corner fixing bracket A , aluminium, polyester powder coated, for mounting floodlights on 90° corners
125 0 197 960	white	
125 0 197 950	silver grey	



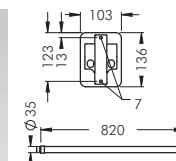
Part number	Colour	Description
125 0 160 940	black	Wall bracket 220 mm , aluminium, polyester powder coated, allows horizontal adjustment and directional aiming of luminaire
125 0 160 960	white	
125 0 160 950	silver grey	



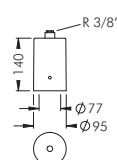
Part number	Colour	Description
128 0 294 940	black	Wall bracket 450 mm , aluminium, polyester powder coated, allows horizontal adjustment and directional aiming of luminaire
128 0 294 960	white	
128 0 294 950	silver grey	



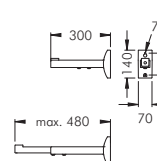
Part number	Colour	Description
128 0 801 940	black	Wall arm 820 mm , aluminium, polyester powder coated, for illumination of signs and facades, cable duct inside, max. load 6 kgs
128 0 801 960	white	
128 0 801 950	silver grey	



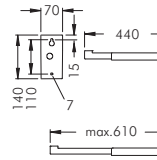
Part number	Colour	Description
128 0 625 940	black	Pole top fitter , aluminium, for pole Ø 76 mm, with R3/8" thread, for mounting one floodlight
128 0 625 960	white	
128 0 625 950	silver grey	

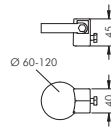


Part number	Colour	Description
128 0 700 940	black	Telescopic wall arm, 300 - 480 mm aluminium, polyester powder coated
128 0 700 960	white	
128 0 700 950	silver grey	

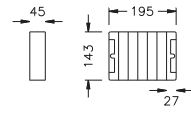


Part number	Colour	Description
128 0 730 940	black	Telescopic wall arm, 440 - 610 mm aluminium, polyester powder coated
128 0 730 960	white	
128 0 730 950	silver grey	

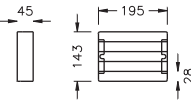




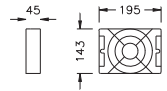
Accessories Superlight Compact/Superlight Compact LED		
Part number	Colour	Description
128 0 760 940	black	Pole clamp , aluminium, polyester powder coated, stainless steel strap, for mounting on poles \varnothing 60 – 120 mm
128 0 760 960	white	
128 0 760 950	silver grey	



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

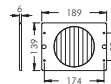


Part number	Colour	Description
128 0 368 940	black	Horizontal louvre* , stainless steel, to reduce lateral glare, for mounting on front of floodlight
128 0 368 960	white	
128 0 368 950	silver grey	



Part number	Colour	Description
128 0 431 940	black	Radial louvre* , stainless steel, to reduce lateral glare, for mounting on front of floodlight
128 0 431 960	white	
128 0 431 950	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
128 0 622 940	black frame	Rotatable ribbed glass spreader lens** , for linear beam distribution, continuously adjustable through 360°, with stainless steel frame
128 0 622 960	white frame	
128 0 622 950	silver grey frame	

**not for luminaires 8 869



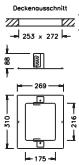
Accessories Superlight Compact LED		
Part number	Colour	Description
128 0 891 000	yellow	Dichroic colour filter** , internally fitted, (factory fitted, not for retro-fitting)
128 0 893 000	blue	
128 0 897 000	red	
128 0 898 000	green	

Available for Superlight Compact (HIT) on request

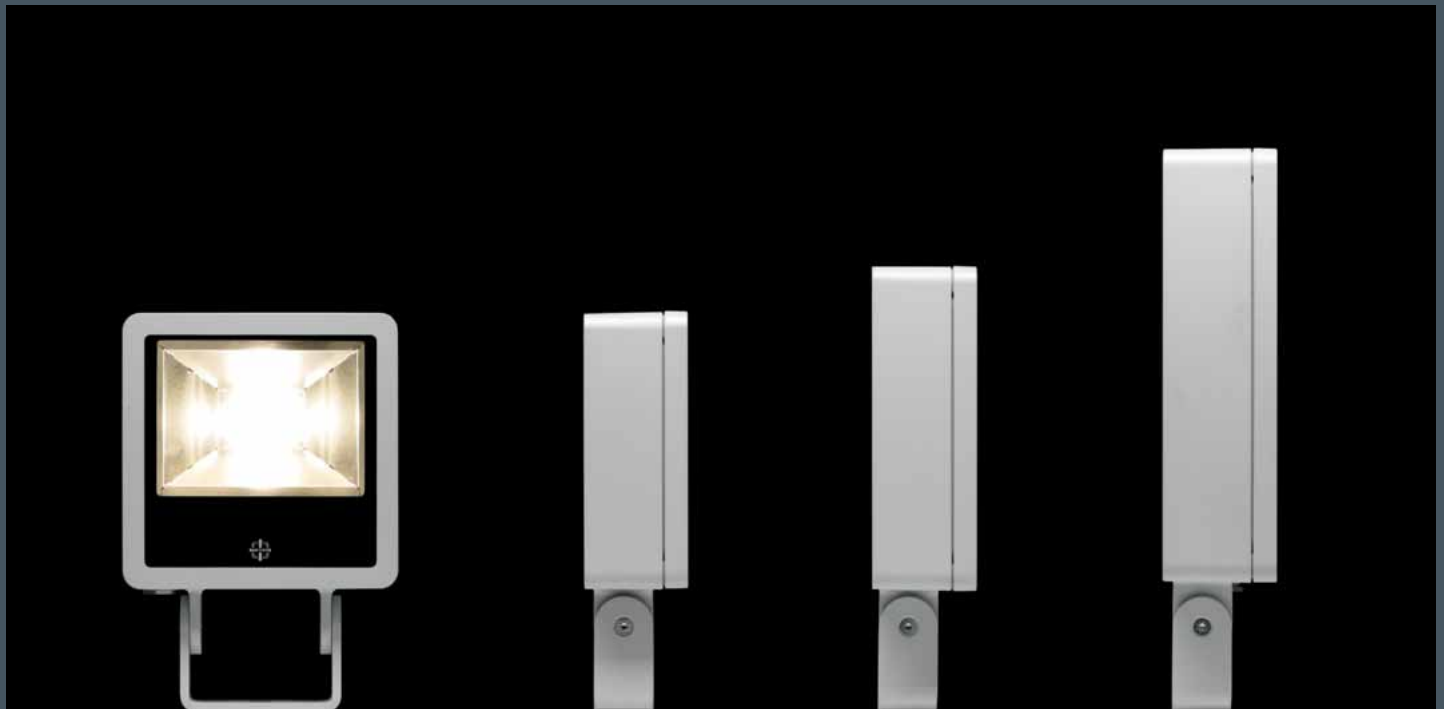


Part number	Description
128 0 813 000	Honeycomb louvre** , internally fitted, to avoid glare

**not for luminaires 8 869



Accessories Superlight Compact 35/70 W (HIT)		
Part number	Colour	Description
128 0 235 000	unpainted	Ceiling recess frame , stainless steel, outer dimensions 270 x 320 mm, in kit form, ready for assembly, adjustable height of fitting, min. recess depth 250 mm
128 0 235 940	black	
128 0 235 960	white	
128 0 235 950	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.

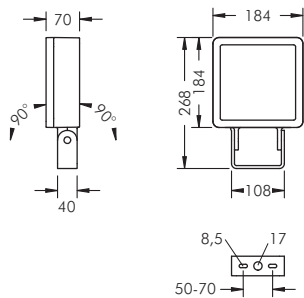


As pole mount luminaires the floodlights are supplied with a fixing bracket which allows the luminaires to be tilted and turned. A wide range of different light distributions and flexibility of positioning of the luminaires on the pole give the discerning lighting consultant many options for the illumination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



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



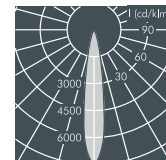
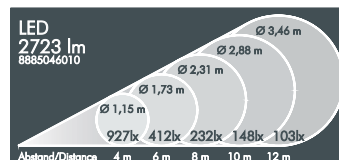


Superlight LED 1

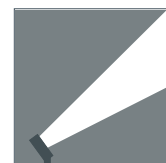
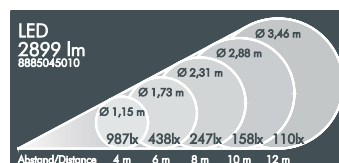
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 , IK08
 windage area AW 0.035 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high 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)
8 885 046 019	black	2.4 kg	1 x LED module 26 W warm white (3000 K)	2723 lm	16°
8 885 066 019	white				
8 885 056 019	silver grey				

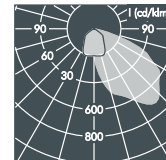
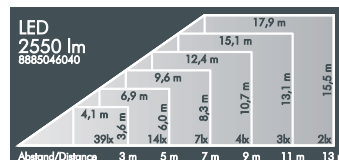


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 885 045 019	black	2.4 kg	1 x LED module 26 W neutral white (4000 K)	2899 lm	16°
8 885 065 019	white				
8 885 055 019	silver grey				

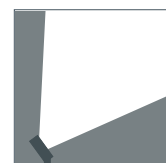
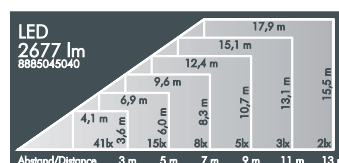


Superlight LED 1, asymmetrical beam*

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 885 046 049	black	2.4 kg	1 x LED module 26 W warm white (3000 K)	2550 lm	40°
8 885 066 049	white				
8 885 056 049	silver grey				

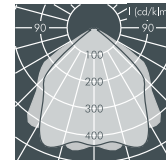
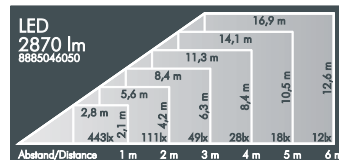


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 885 045 049	black	2.4 kg	1 x LED module 26 W neutral white (4000 K)	2677 lm	40°
8 885 065 049	white				
8 885 055 049	silver grey				

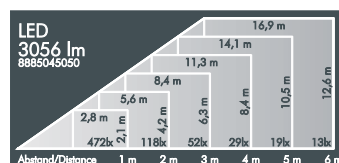


Superlight LED 1, wide beam*

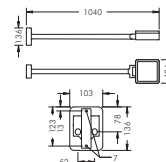
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 885 046 059	black	2.4 kg	1 x LED Modul 26 W warm white (3000 K)	2870 lm	C 0 – 180
8 885 066 059	white				C 90 – 270
8 885 056 059	silver grey				92°



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 885 045 059	black	2.4 kg	1 x LED Modul 26 W neutral white (4000 K)	3056 lm	C 0 – 180
8 885 065 059	white				C 90 – 270
8 885 055 059	silver grey				92°



Part number	Description
... 1 ...	Luminaire with wall arm , internal cable run Available upon request in various lengths.
... .. 1 ..	Dimmable version (DALI)




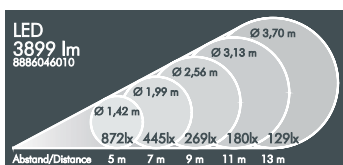
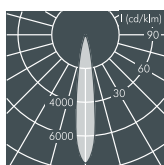
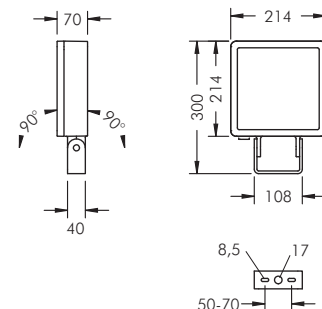
* Luminaires with 2 cable glands are available upon request.

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



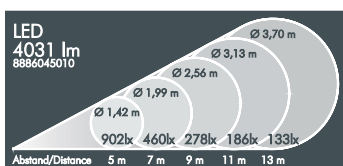
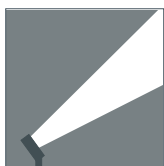
Superlight LED 2

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 m²
 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)

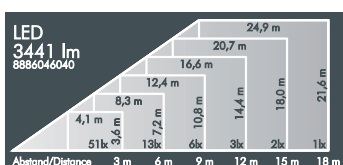
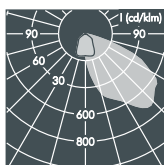


Superlight LED 2, rotationally symmetrical narrow beam*

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 046 019	black	3.0 kg	1 x LED module 40 W warm white (3000 K)	3899 lm	16°
8 886 066 019	white				
8 886 056 019	silver grey				

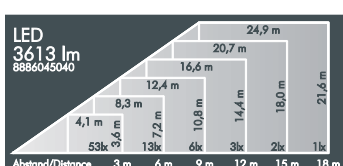
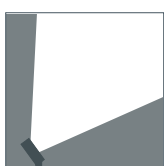


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 045 019	black	3.0 kg	1 x LED module 40 W neutral white (4000 K)	4031 lm	16°
8 886 065 019	white				
8 886 055 019	silver grey				

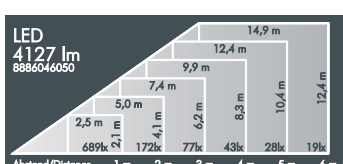
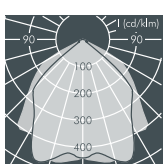


Superlight LED 2, asymmetrical beam*

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 886 046 049	black	3.0 kg	1 x LED module 40 W warm white (3000 K)	3441 lm	43°
8 886 066 049	white				
8 886 056 049	silver grey				

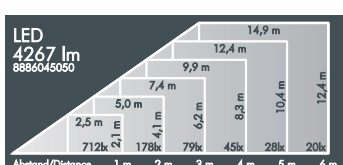


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 886 045 049	black	3.0 kg	1 x LED module 40 W neutral white (4000 K)	3613 lm	43°
8 886 065 049	white				
8 886 055 049	silver grey				

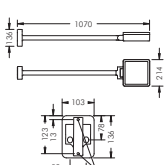


Superlight LED 2, wide beam*

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 886 046 059	black	3.0 kg	1 x LED Modul 40 W warm white (3000 K)	4127 lm	C 0 - 180	C 90 - 270
8 886 066 059	white				92°	102°
8 886 056 059	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 886 045 059	black	3.0 kg	1 x LED Modul 40 W neutral white (4000 K)	4267 lm	C 0 - 180	C 90 - 270
8 886 065 059	white				92°	102°
8 886 055 059	silver grey					



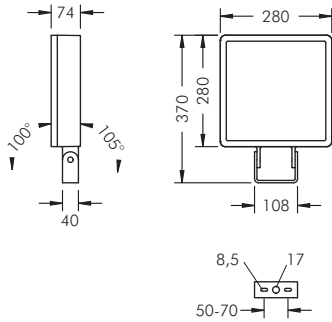
Part number	Description
... 1... ..	Luminaire with wall arm , internal cable run Available upon request in various lengths.
... .. 1..	Dimmable version (DALI)

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request

*Luminaires with 2 cable glands are available upon request.



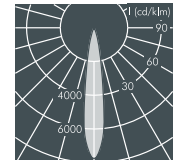
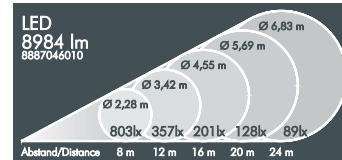


Superlight LED 3

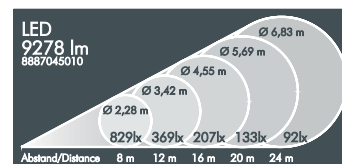
With high performance LED modules (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 IK08
 windage area AW 0.08 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high efficiency 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)
8 887 046 019	black	5.4 kg	2 x LED module 43.5 W (87 W)	8984 lm	16°
8 887 066 019	white				
8 887 056 019	silver grey				

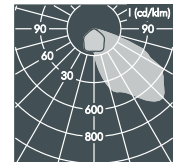
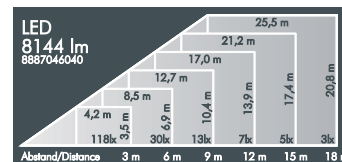


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 887 045 019	black	5.4 kg	2 x LED module 43.5 W (87 W)	9278 lm	16°
8 887 065 019	white				
8 887 055 019	silver grey				

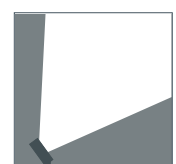
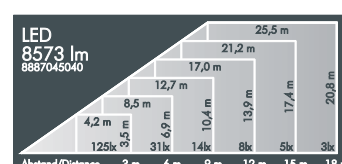


Superlight LED 3, asymmetrical beam*

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 887 046 049	black	5.4 kg	2 x LED module 43.5 W (87 W)	8144 lm	43°
8 887 066 049	white				
8 887 056 049	silver grey				

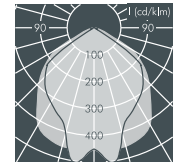
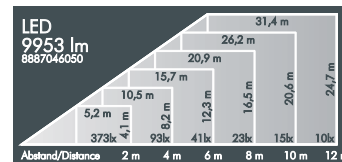


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 887 045 049	black	5.4 kg	2 x LED module 43.5 W (87 W)	8573 lm	43°
8 887 065 049	white				
8 887 055 049	silver grey				

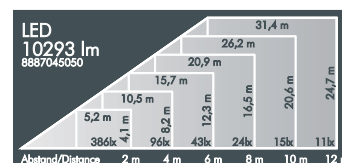


Superlight LED 3, wide beam*

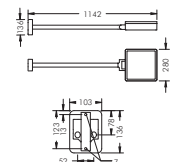
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 887 046 059	black	5.4 kg	2 x LED module 43.5 W (87 W)	9953 lm	C 0 – 180	
8 887 066 059	white				92°	C 90 – 270
8 887 056 059	silver grey				warm white (3000 K)	105°



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 887 045 059	black	5.4 kg	2 x LED module 43.5 W (87 W)	10293 lm	C 0 – 180	
8 887 065 059	white				92°	C 90 – 270
8 887 055 059	silver grey				neutral white (4000 K)	105°



Part number	Description
... 1 ...	Luminaire with wall arm , internal cable run Available upon request in various lengths.
... .. 1 ..	Dimmable version (DALI)




* Luminaires with 2 cable glands are available upon request.

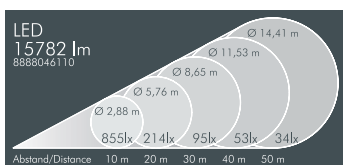
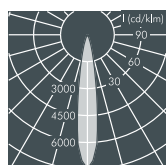
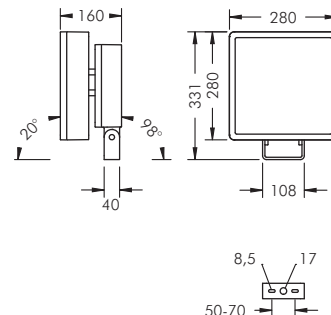
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



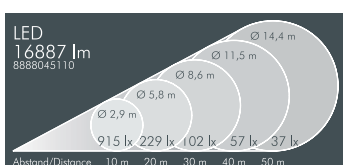
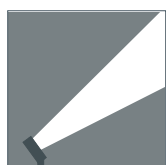
Superlight LED 3+

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 m² 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)

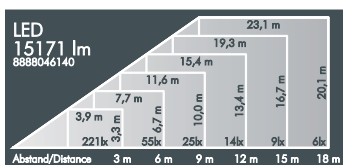
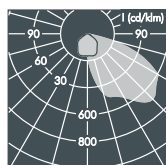


Superlight LED 3+, rotationally symmetrical narrow beam*

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 888 046 119	black	8.9 kg	4 x LED module 39 W (156 W)	15782 lm	16°
8 888 066 119	white				
8 888 056 119	silver grey		warm white (3000 K)		

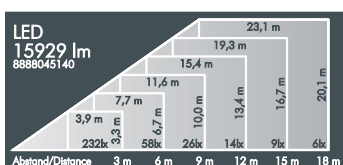
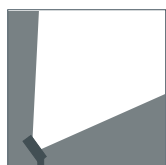


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 888 045 119	black	8.9 kg	4 x LED module 39 W (156 W)	16887 lm	16°
8 888 065 119	white				
8 888 055 119	silver grey		neutral white (4000 K)		

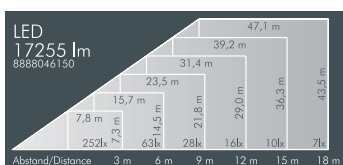
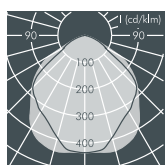


Superlight LED 3+, asymmetrical beam*

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 888 046 149	black	8.9 kg	4 x LED module 39 W (156 W)	15171 lm	45°
8 888 066 149	white				
8 888 056 149	silver grey		warm white (3000 K)		

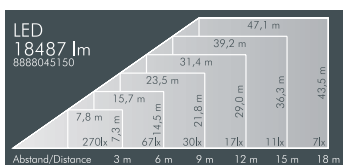


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 888 045 149	black	8.9 kg	4 x LED module 39 W (156 W)	15929 lm	45°
8 888 065 149	white				
8 888 055 149	silver grey		neutral white (4000 K)		



Superlight LED 3+, wide beam*

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 888 046 159	black	8.9 kg	4 x LED module 39 W (156 W)	17255 lm	C 0 - 180 C 90 - 270
8 888 066 159	white				101° 105°
8 888 056 159	silver grey		warm white (3000 K)		



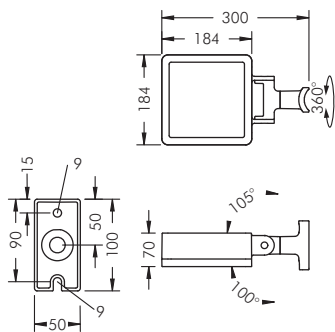
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 888 045 159	black	8.9 kg	4 x LED module 39 W (156 W)	18487 lm	C 0 - 180 C 90 - 270
8 888 065 159	white				101° 105°
8 888 055 159	silver grey		neutral white (4000 K)		

* Luminaires with 2 cable glands are available upon request.

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



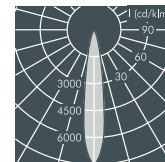
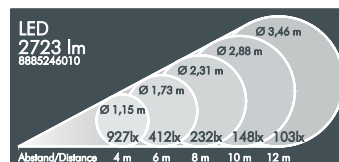


Superlight LED 1, pole luminaire

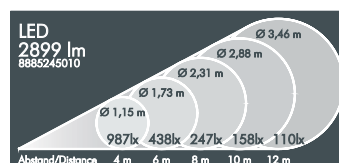
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 , IK08
 windage area AW 0.035 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high 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)
8 885 246 019	black	2.6 kg	1 x LED module 26 W warm white (3000 K)	2723 lm	16°
8 885 266 019	white				
8 885 256 019	silver grey				

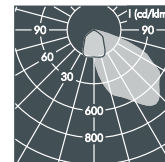
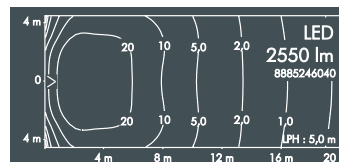


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 885 245 019	black	2.6 kg	1 x LED module 26 W neutral white (4000 K)	2899 lm	16°
8 885 265 019	white				
8 885 255 019	silver grey				

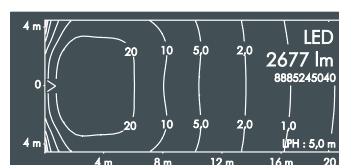


Superlight LED 1, pole luminaire, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 885 246 049	black	2.6 kg	1 x LED module 26 W warm white (3000 K)	2550 lm	40°
8 885 266 049	white				
8 885 256 049	silver grey				

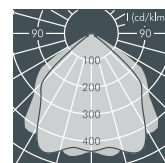
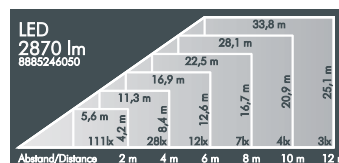


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 885 245 049	black	2.6 kg	1 x LED module 26 W neutral white (4000 K)	2677 lm	40°
8 885 265 049	white				
8 885 255 049	silver grey				

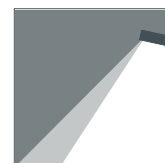
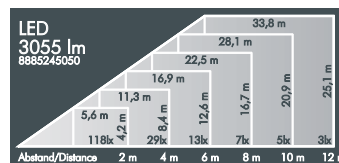


Superlight LED 1, pole luminaire, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 885 246 059	black	2.6 kg	1 x LED module 26 W warm white (3000 K)	2870 lm	C 0 – 180	C 90 – 270
8 885 266 059	white				92°	108°
8 885 256 059	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 885 245 059	black	2.6 kg	1 x LED module 26 W neutral white (4000 K)	3055 lm	C 0 – 180	C 90 – 270
8 885 265 059	white				92°	108°
8 885 255 059	silver grey					




Part number	Description
... .. 1..	Dimmable version (DALI)

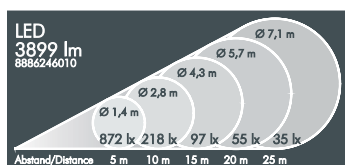
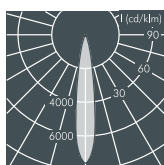
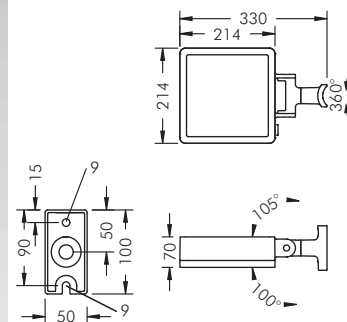
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



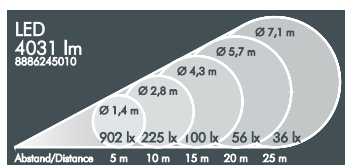
Superlight LED 2, pole luminaire

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 m²
 corrosion-resistant die cast aluminium housing AISi12,
 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)

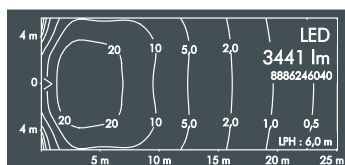
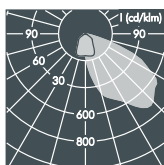


Superlight LED 2, pole luminaire, rotationally symmetrical narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 246 019	black	3.2 kg	1 x LED module 40 W	3899 lm	16°
8 886 266 019	white		warm white (3000 K)		
8 886 256 019	silver grey				

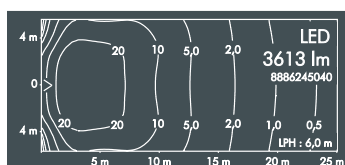
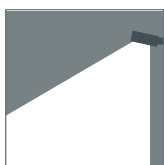


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 245 019	black	3.2 kg	1 x LED module 40 W	4031 lm	16°
8 886 265 019	white		neutral white (4000 K)		
8 886 255 019	silver grey				

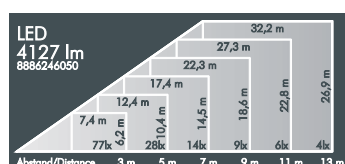
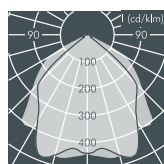


Superlight LED 2, pole luminaire, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 886 246 049	black	3.2 kg	1 x LED module 40 W	3441 lm	43°
8 886 266 049	white		warm white (3000 K)		
8 886 256 049	silver grey				

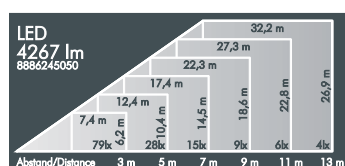
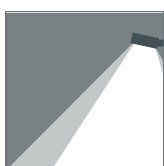


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 886 245 049	black	3.2 kg	1 x LED module 40 W	3613 lm	43°
8 886 265 049	white		neutral white (4000 K)		
8 886 255 049	silver grey				



Superlight LED 2, pole luminaire, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 246 059	black	3.2 kg	1 x LED module 40 W	4127 lm	C 0 - 180 C 90 - 270
8 886 266 059	white		warm white (3000 K)		92° 102°
8 886 256 059	silver grey				



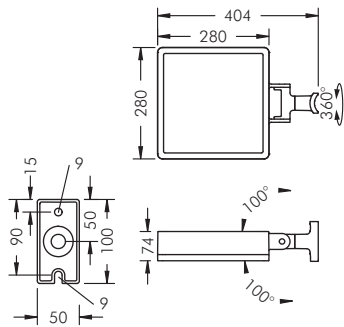
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 245 059	black	3.2 kg	1 x LED module 40 W	4267 lm	C 0 - 180 C 90 - 270
8 886 265 059	white		neutral white (4000 K)		92° 102°
8 886 255 059	silver grey				

Part number	Description
..... 1 ..	Dimmable version (DALI)

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 m² 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)
8 887 246 019	black	5.6 kg	2 x LED module 43.5 W (87 W)	8984 lm	16°
8 887 266 019	white				
8 887 256 019	silver grey				

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 887 245 019	black	5.6 kg	2 x LED module 43.5 W (87 W)	9278 lm	16°
8 887 265 019	white				
8 887 255 019	silver grey				

Superlight LED 3, pole luminaire, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 887 246 049	black	5.6 kg	2 x LED module 43.5 W (87 W)	8144 lm	43°
8 887 266 049	white				
8 887 256 049	silver grey				

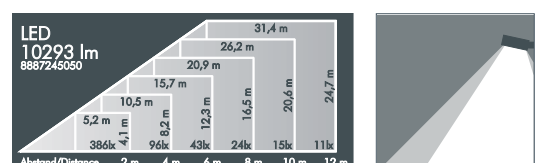
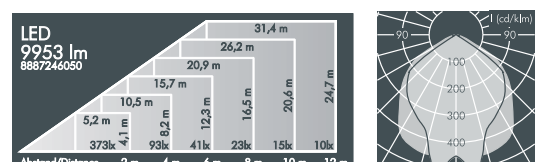
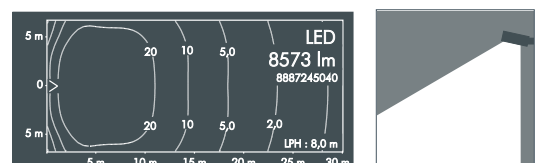
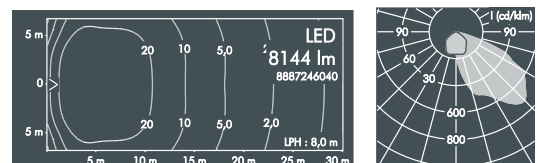
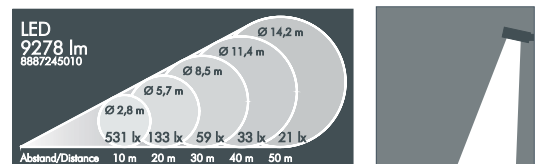
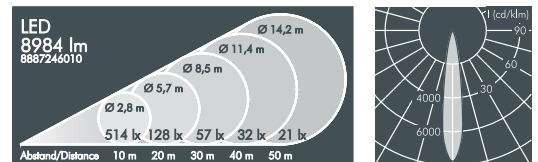
Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 887 245 049	black	5.6 kg	2 x LED module 43.5 W (87 W)	8573 lm	43°
8 887 265 049	white				
8 887 255 049	silver grey				

Superlight LED 3, pole luminaire, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 887 246 059	black	5.6 kg	2 x LED module 43.5 W (87 W)	9953 lm	C 0 – 180	C 90 – 270
8 887 266 059	white				92°	105°
8 887 256 059	silver grey				warm white (3000 K)	

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 887 245 059	black	5.6 kg	2 x LED module 43.5 W (87 W)	10293 lm	C 0 – 180	C 90 – 270
8 887 265 059	white				92°	105°
8 887 255 059	silver grey				neutral white (4000 K)	

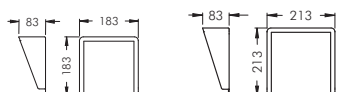
Part number	Description
... .. 1..	Dimmable version (DALI)



LED (see page 247)

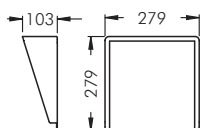
Luminaires available in 2700 K or other colour temperatures upon request





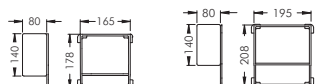
Accessories Superlight LED 1, LED 2

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



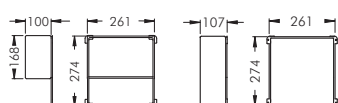
Accessories Superlight LED 3, LED 3+

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



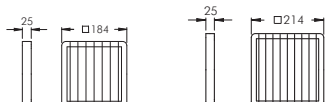
Accessories Superlight LED 1, LED 2

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



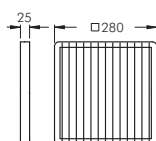
Accessories Superlight LED 3, LED 3+

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



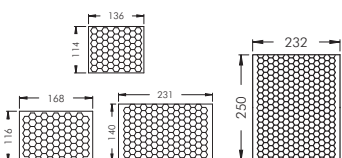
Accessories Superlight LED 1, LED 2

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



Accessories Superlight LED 3, LED 3+

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



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

Part number	Luminaire	Description
128 0 810 000	LED 1	Honeycomb louvre , internally fitted, to avoid glare
128 0 811 000	LED 2	
128 0 812 000	LED 3	
128 0 908 000	LED 3+	



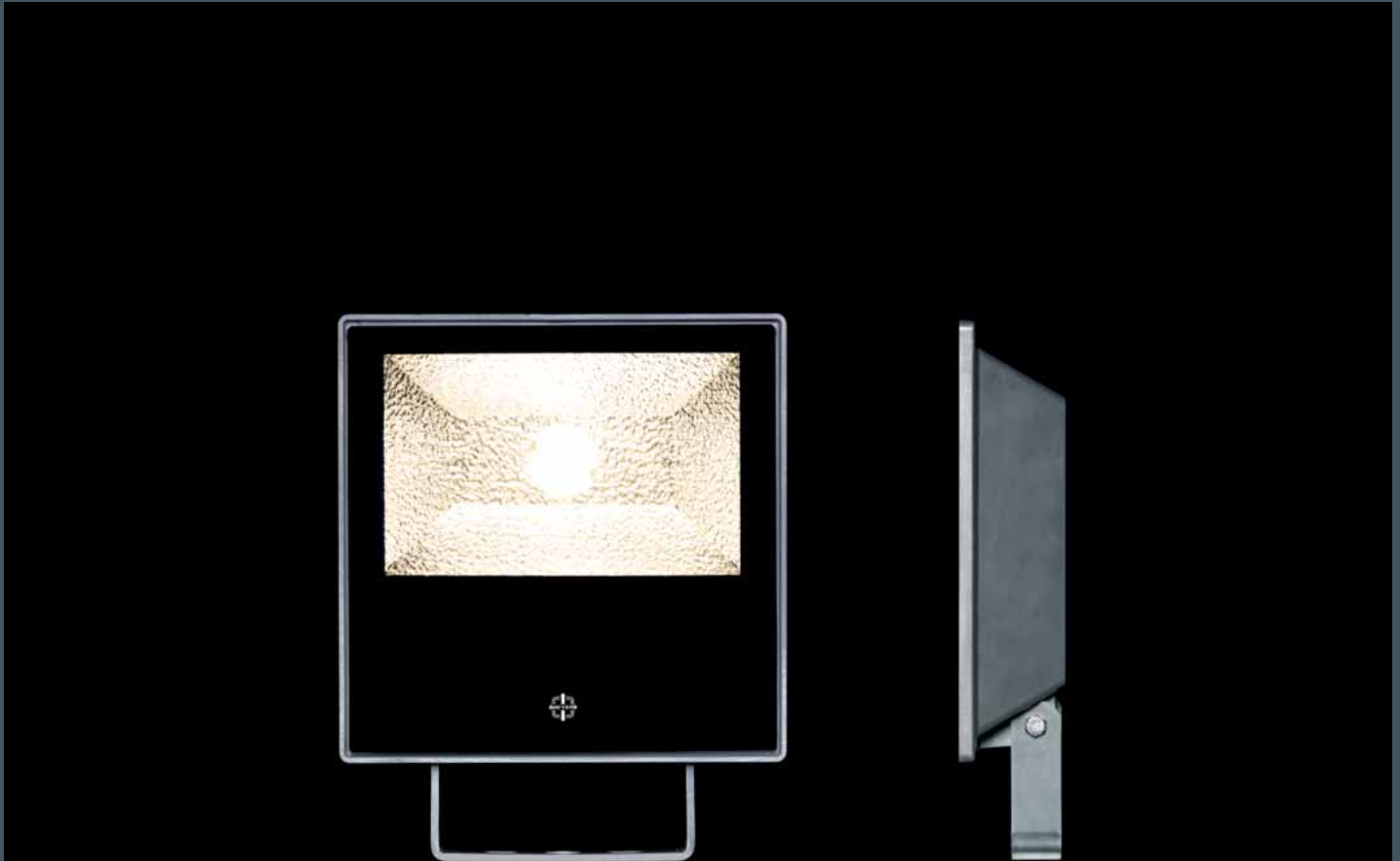
Accessories Superlight LED 1, LED 2, LED 3, LED 3+ rotationally symmetrical narrow beam

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

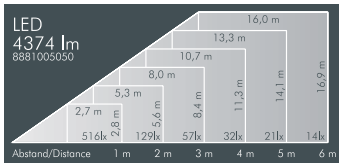
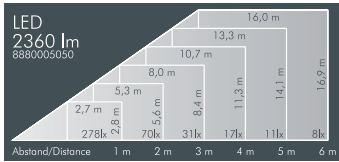
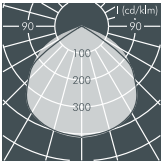
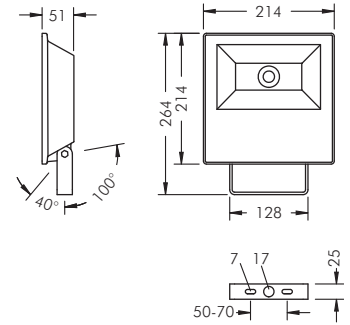
High efficiency and longevity of the LED module are achieved by an optimal heat management.

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



Ecolum

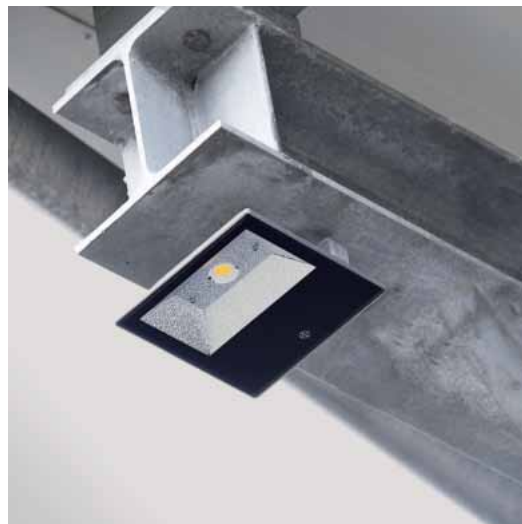
With high performance LED module (Zhaga),
 integral temperature monitoring device,
 CRI: > 85, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 \blacklozenge \blacktriangle \blacktriangle , IK08
 windage area AW 0.047 m²
 corrosion-resistant die cast aluminium 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 \varnothing 7 mm, spacing 50 - 70 mm,
 1 centre hole \varnothing 17 mm, tilt range 140°,
 M16 cable gland, with 0.8 m cable HO5RN-F3G1,
 integral driver (AC/DC)

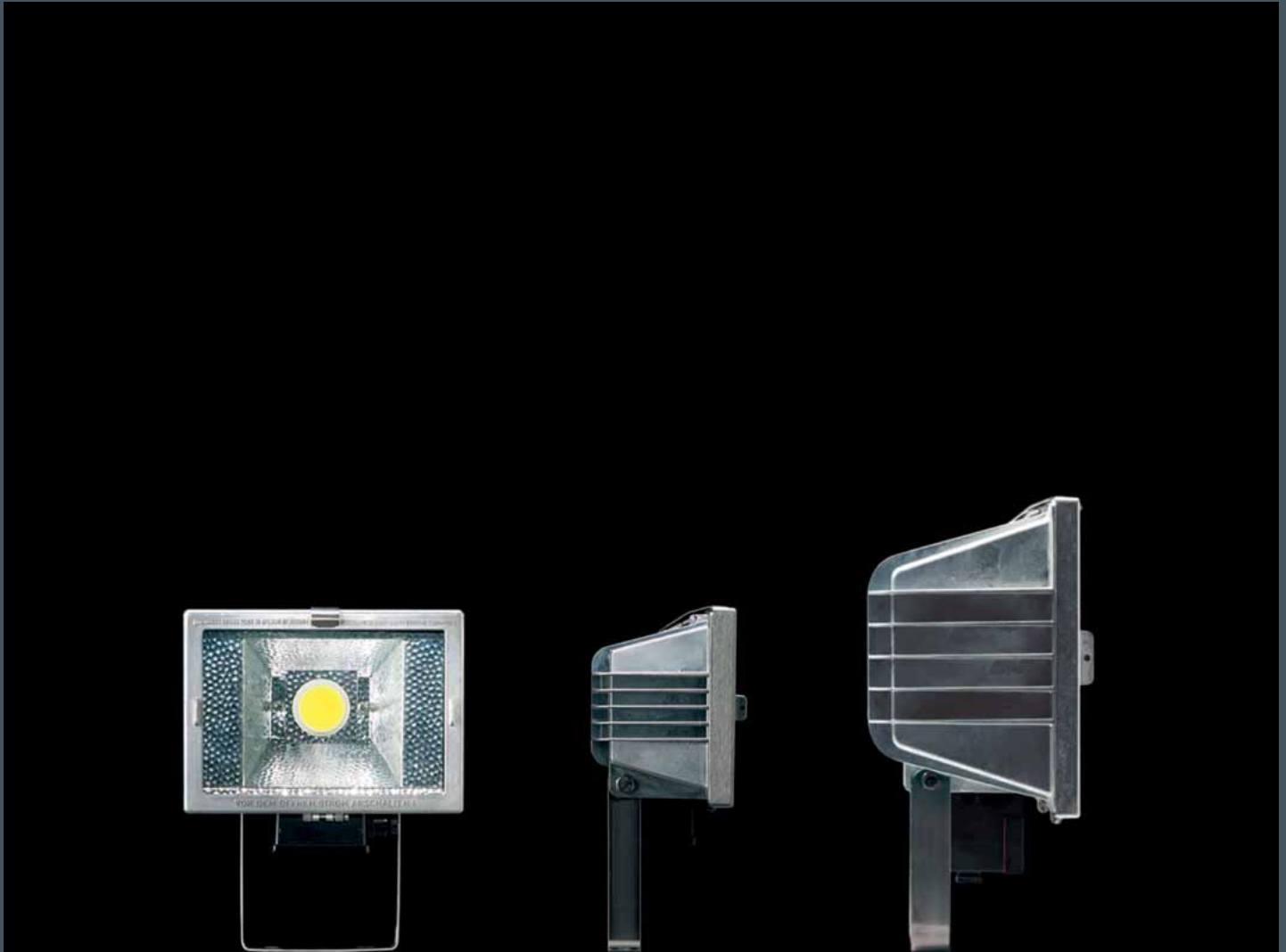


Ecolum, wide beam

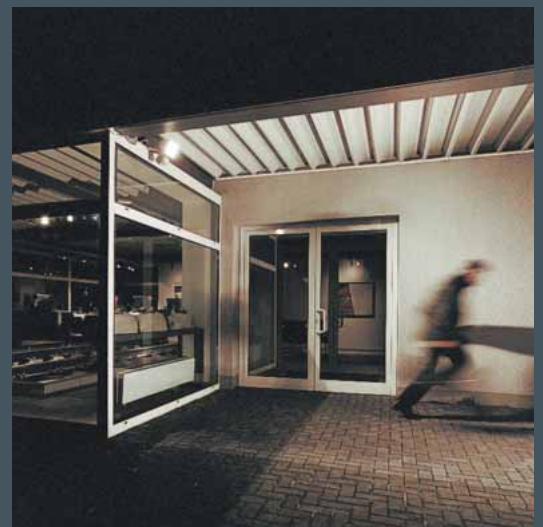
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 880 005 059	unpainted	1.5 kg	1 x LED module 20 W neutral white (4000 K)	2360 lm	109°	106°

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 881 005 059	unpainted	1.5 kg	1 x LED module 40 W neutral white (4000 K)	4374 lm	109°	106°






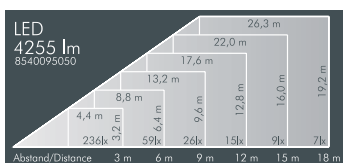
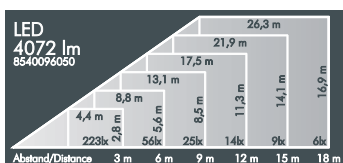
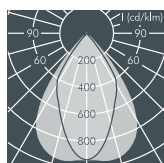
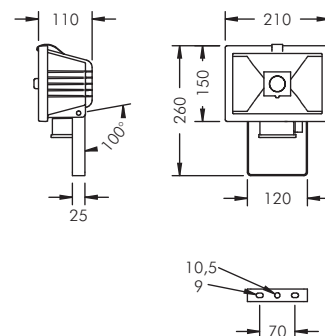
This range of floodlights which is equipped with a high performance LED module of the latest generation, offers the advantages of high luminous flux and low energy consumption. The well-proven housings provide optimal heat dissipation which in turn ensures longevity of the LED module. This robust LED 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

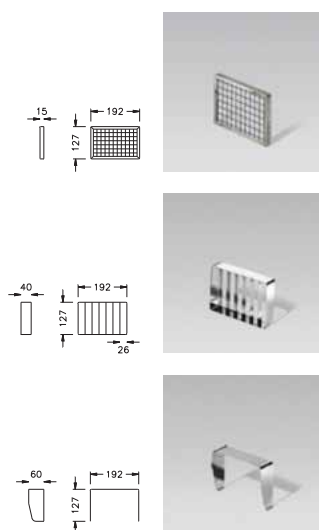
With high performance LED module (Zhaga),
 CRI: > 85, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP55 , IK07
 corrosion-resistant die cast aluminium housing AISi12,
 unpainted or polyester powder coated,
 axially symmetrical highgloss reflector,
 all exterior 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)	
8 540 096 059	unpainted	1.6 kg	1 x LED module 41 W warm white (3000 K)	4072 lm	C 0 – 180	C 90 – 270
8 540 046 059	black				56°	72°
8 540 066 059	white					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 540 095 059	unpainted	1.6 kg	1 x LED module 41 W neutral white (4000 K)	4255 lm	C 0 – 180	C 90 – 270
8 540 045 059	black				56°	72°
8 540 065 059	white					



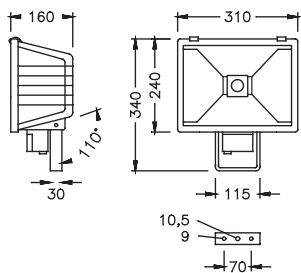
Accessories LED floodlight Mini

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

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

Part number	Colour	Description
135 0 427 000	unpainted	Cowl , stainless steel,
135 0 427 940	black	to avoid glare from 3 directions,
135 0 427 960	white	for retro-fitting, only one accessory per luminaire, not in combination





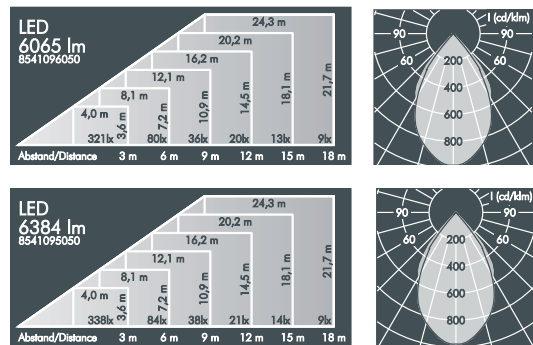
LED floodlight Maxi

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 γ (FWHM)	
					C 0 – 180	C 90 – 270
8 541 096 059	unpainted	3.4 kg	1 x LED module 56 W warm white (3000 K)	6065 lm	62°	68°
8 541 046 059	black					
8 541 066 059	white					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 541 095 059	unpainted	3.4 kg	1 x LED module 56 W neutral white (4000 K)	6384 lm	62°	68°
8 541 045 059	black					
8 541 065 059	white					

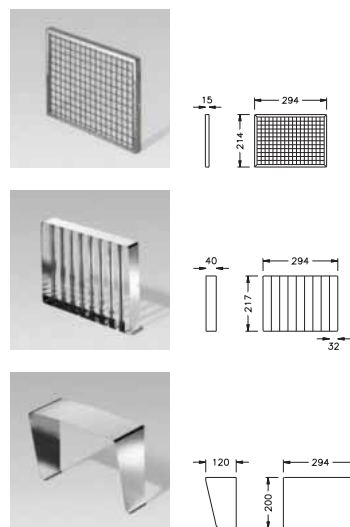


Accessories LED floodlight Maxi

Part number	Colour	Description
125 0 177 000	unpainted	Protection grill , stainless steel, to protect the glass from stone chip and vandalism, for retro-fitting, only one accessory per luminaire, not in combination

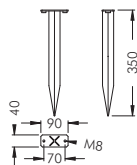
Part number	Colour	Description
125 0 171 000	unpainted	Vertical louvre , stainless steel, to reduce lateral glare, for mounting on front of floodlight, for retro-fitting, only one accessory per luminaire, not in combination

Part number	Colour	Description
135 0 412 000	unpainted	Cowl , stainless steel, to avoid glare from 3 directions, for retro-fitting, only one accessory per luminaire, not in combination



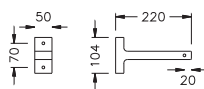
LED (see page 247)



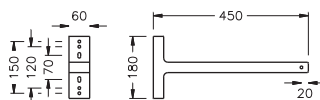


Accessories LED floodlights Mini and Maxi

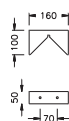
Part number	Colour	Description
129 0 390 940	black	Stainless steel earth spike, for use in landscape lighting



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



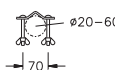
Part number	Colour	Description
128 0 294 940	black	Wall bracket 450 mm, aluminium, polyester powder coated, allows horizontal adjustment and directional aiming of luminaire
128 0 294 960	white	
128 0 294 950	silver grey	



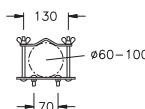
Part number	Colour	Description
125 0 197 940	black	Corner fixing bracket A, aluminium, polyester powder coated, for mounting floodlights on 90° corners
125 0 197 960	white	
125 0 197 950	silver grey	



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



Part number	Colour	Description
125 0 145 000	unpainted	Pole clamp, hot dip galvanized steel, for mounting floodlights on pipes and poles up to \varnothing 60 mm

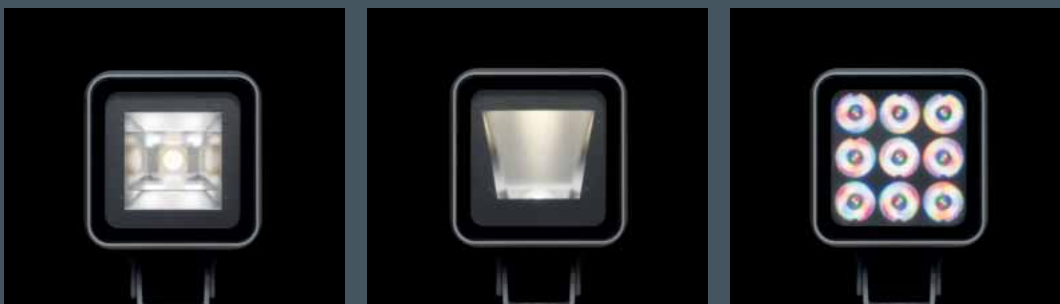


Part number	Colour	Description
125 0 146 000	unpainted	Pole clamp, hot dip galvanized steel, for mounting floodlights on pipes and poles up to \varnothing 100 mm



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.

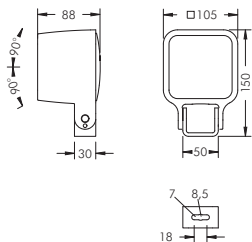


Monoflood pole luminaires are equipped with a tilt-and-turn fixing system. Luminaires with different sizes and light distributions can be combined. This makes customized configurations for specific lighting tasks possible.



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





Monoflood 1 with mounting bracket reflector optic

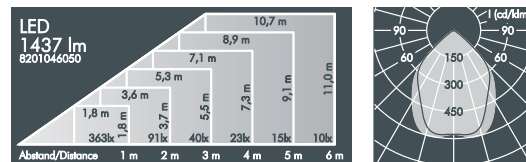
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 , IK08 windage area AW 0.01 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, highly efficient 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)	
8 201 046 059	black	1.1 kg	1 x LED module 14 W warm white (3000 K)	1437 lm	C 0 – 180	C 90 – 270
8 201 066 059	white				85°	83°
8 201 056 059	silver grey					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 201 045 059	black	1.1 kg	1 x LED module 14 W neutral white (4000 K)	1509 lm	C 0 – 180	C 90 – 270
8 201 065 059	white				85°	83°
8 201 055 059	silver grey					

Part number	Description
. 1..	Dimmable luminaire (DALI)






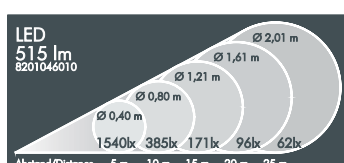
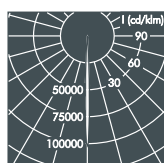
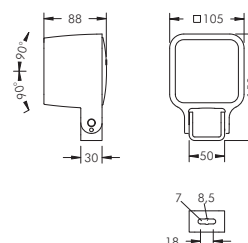
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



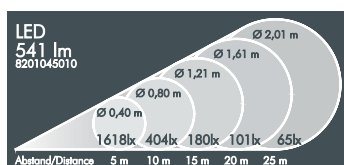
Monoflood 1 with mounting bracket lens optics

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 m²
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 \varnothing 7 mm,
spacing 18 mm, 1 centre hole \varnothing 8.5 mm,
tilt range 180°, M16 cable gland,
integral driver (AC/DC)

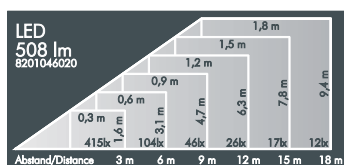
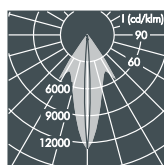


Monoflood 1, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 201 046 019	black	1.2 kg	4 x LED 2.5 W (10 W) warm white (3000 K)	515 lm	4°
8 201 066 019	white				
8 201 056 019	silver grey				

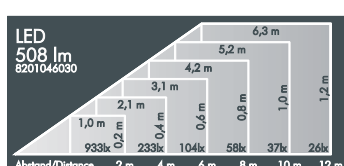


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 201 045 019	black	1.2 kg	4 x LED 2.5 W (10 W) neutral white (4000 K)	541 lm	4°
8 201 065 019	white				
8 201 055 019	silver grey				



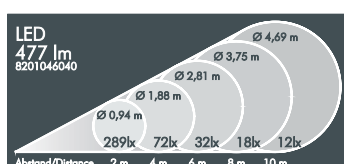
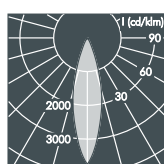
Monoflood 1, linear beam spread, vertical

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 201 046 029	black	1.2 kg	4 x LED 2.5 W (10 W) warm white (3000 K)	508 lm	C 0 – 180
8 201 066 029	white				29°
8 201 056 029	silver grey				6°



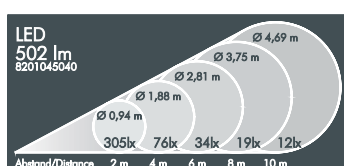
Monoflood 1, linear beam spread, horizontal

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 201 046 039	black	1.2 kg	4 x LED 2.5 W (10 W) warm white (3000 K)	508 lm	C 0 – 180
8 201 066 039	white				6°
8 201 056 039	silver grey				29°



Monoflood 1, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 201 046 049	black	1.2 kg	4 x LED 2.5 W (10 W) warm white (3000 K)	477 lm	27°
8 201 066 049	white				
8 201 056 049	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 201 045 049	black	1.2 kg	4 x LED 2.5 W (10 W) neutral white (4000 K)	502 lm	27°
8 201 065 049	white				
8 201 055 049	silver grey				




Part number	Description
... .. 5 ...	Luminaire with neutral white colour temperature (4000 K)
... .. 1 ..	Dimmable luminaire (DALI)

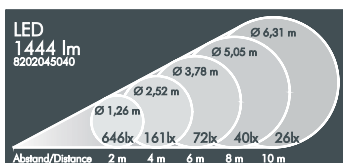
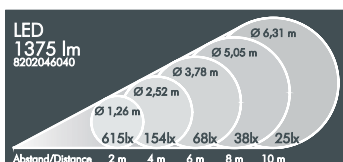
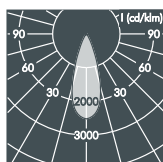
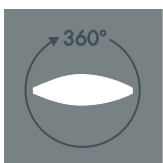
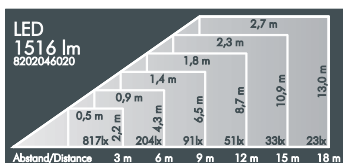
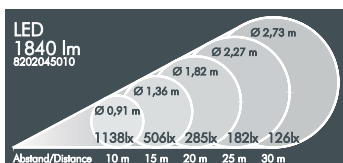
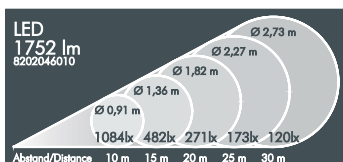
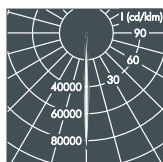
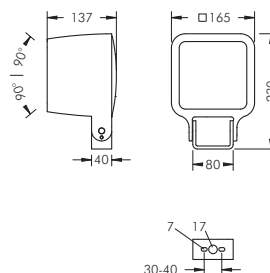
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



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 m²
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 \varnothing 7 mm,
spacing 30 - 40 mm, 1 centre hole \varnothing 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)
8 202 046 019	black	3.0 kg	5 x LED 5.6 W (28 W)	1752 lm	5°
8 202 066 019	white				
8 202 056 019	silver grey		warm white (3000 K)		

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 202 045 019	black	3.0 kg	5 x LED 5.6 W (28 W)	1840 lm	5°
8 202 065 019	white				
8 202 055 019	silver grey		neutral white (4000 K)		

Monoflood 2, linear beam spread, vertical

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 202 046 029	black	3.0 kg	5 x LED 5.6 W (28 W)	1516 lm	C 0 - 180
8 202 066 029	white				C 90 - 270
8 202 056 029	silver grey		warm white (3000 K)		40°

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

Monoflood 2, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 202 046 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	1364 lm	C 0 - 180
8 202 066 079	white			C 90 - 270
8 202 056 079	silver grey			7°
Weight 3.2 kg				29°

Monoflood 2, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 202 046 049	black	3.0 kg	5 x LED 5.6 W (28 W)	1375 lm	35°
8 202 066 049	white				
8 202 056 049	silver grey		warm white (3000 K)		

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 202 045 049	black	3.0 kg	5 x LED 5.6 W (28 W)	1444 lm	35°
8 202 065 049	white				
8 202 055 049	silver grey		neutral white (4000 K)		


Part number	Description
... 5 ...	Luminaire with neutral white colour temperature (4000 K)
... 1 ...	Dimmable luminaire (DALI)

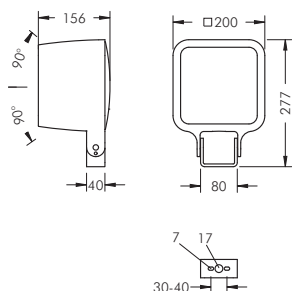
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



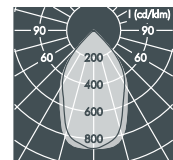
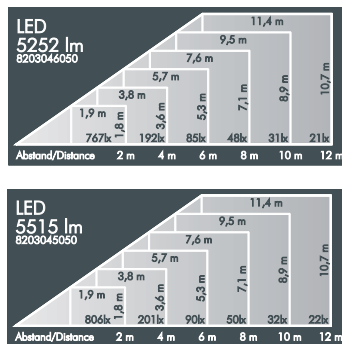
Monoflood 3 with mounting bracket reflector optic

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 AW 0.032 m²
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)

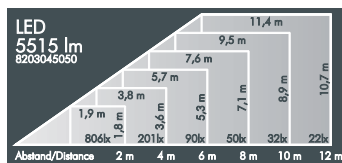


Monoflood 3, axially symmetrical wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 203 046 059	black	4.2 kg	1 x LED module 52 W warm white (3000 K)	5252 lm	C 0 – 180	C 90 – 270
8 203 066 059	white				63°	67°
8 203 056 059	silver grey					

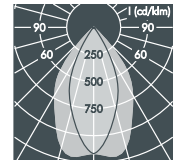
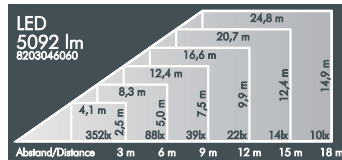


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 203 045 059	black	4.2 kg	1 x LED module 52 W neutral white (4000 K)	5515 lm	C 0 – 180	C 90 – 270
8 203 065 059	white				63°	67°
8 203 055 059	silver grey					

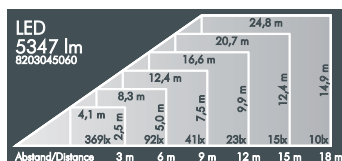


Monoflood 3, axially symmetrical narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 203 046 069	black	4.2 kg	1 x LED module 52 W warm white (3000 K)	5092 lm	C 0 – 180	C 90 – 270
8 203 066 069	white				45°	69°
8 203 056 069	silver grey					

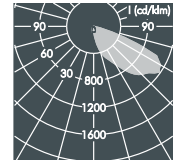
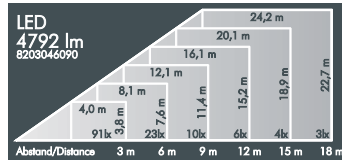


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 203 045 069	black	4.2 kg	1 x LED module 52 W neutral white (4000 K)	5347 lm	C 0 – 180	C 90 – 270
8 203 065 069	white				45°	69°
8 203 055 069	silver grey					

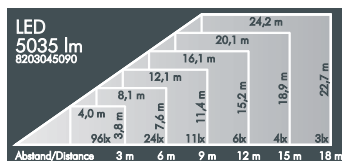


Monoflood 3, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 203 046 099	black	4.2 kg	1 x LED module 52 W warm white (3000 K)	4792 lm	56°
8 203 066 099	white				
8 203 056 099	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 203 045 099	black	4.2 kg	1 x LED module 52 W neutral white (4000 K)	5035 lm	56°
8 203 065 099	white				
8 203 055 099	silver grey				





Part number	Description
. 1..	Dimmable luminaire (DALI)

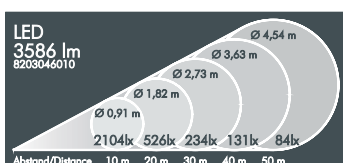
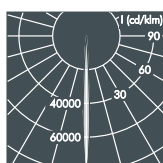
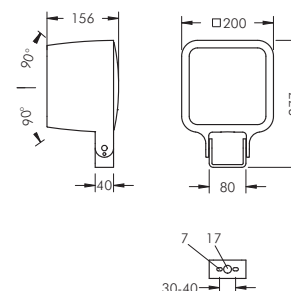
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



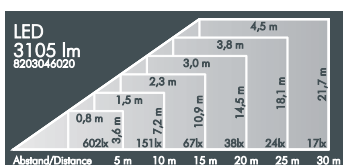
Monoflood 3 with mounting bracket lens optics

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 m²
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

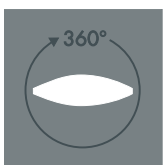
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 203 046 019	black	4.5 kg	9 x LED 6 W	3586 lm	5°
8 203 066 019	white		(54 W)		
8 203 056 019	silver grey		warm white (3000 K)		



Monoflood 3, linear beam spread, vertical

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 203 046 029	black	4.5 kg	9 x LED 6 W	3105 lm	C 0 - 180
8 203 066 029	white		(54 W)		
8 203 056 029	silver grey		warm white (3000 K)		40°

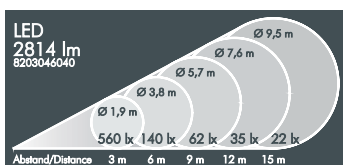
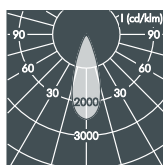
... .3. Luminaire with linear beam spread, horizontal



Monoflood 3, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 203 046 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	2795 lm	C 0 - 180
8 203 066 079	white			C 90 - 270
8 203 056 079	silver grey			7°

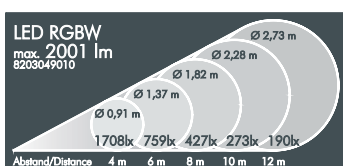
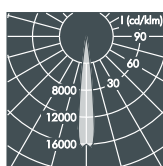
Weight 4.7 kg



Monoflood 3, medium wide beam

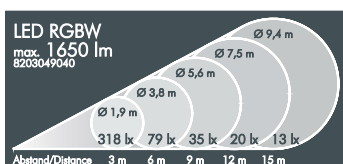
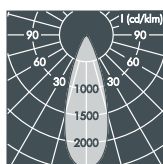
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 203 046 049	black	4.5 kg	9 x LED 6 W	2814 lm	35°
8 203 066 049	white		(54 W)		
8 203 056 049	silver grey		warm white (3000 K)		

Part number	Description
... .5 ...	Luminaire with neutral white colour temperature (4000 K)
... .1 ...	Dimmable luminaire (DALI)



Monoflood 3 RGBW, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 203 049 019	black	4.6 kg	9 x LED module RGBW	max. 2001 lm	13°
8 203 069 019	white		W = 3000 K		
8 203 059 019	silver grey		(max. 52 W)		



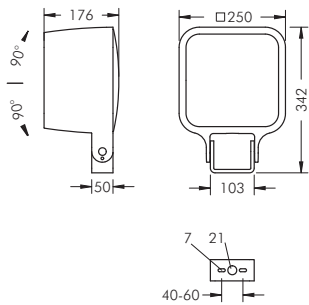
Monoflood 3 RGBW, medium wide beam

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

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



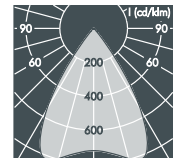
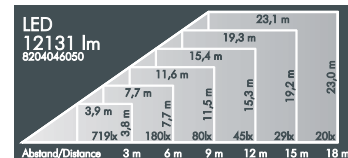


Monoflood 4 with mounting bracket reflector optic

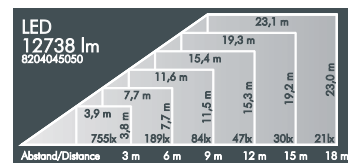
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM
Service life: L90/B10 > 50 000 h
protection class I, IP67 $\diamond \blacktriangle \blacktriangle \blacktriangle$, IK08
windage area AW 0.046 m²
corrosion-resistant die cast aluminium 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 \varnothing 7 mm, spacing 40 - 60 mm, 1 centre hole \varnothing 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)	
8 204 046 059	black	6.2 kg	4 x LED module 25.5 W	12131 lm	C 0 - 180	C 90 - 270
8 204 066 059	white		(102 W)		65°	66°
8 204 056 059	silver grey		warm white (3000 K)			

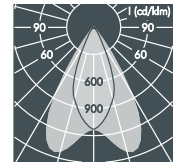
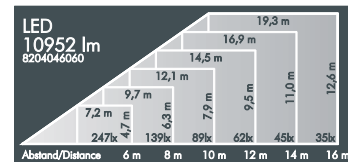


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 204 045 059	black	6.2 kg	4 x LED module 25.5 W	12738 lm	C 0 - 180	C 90 - 270
8 204 065 059	white		(102 W)		65°	66°
8 204 055 059	silver grey		neutral white (4000 K)			

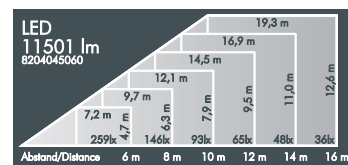


Monoflood 4, axially symmetrical narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 204 046 069	black	6.2 kg	4 x LED module 25.5 W	10952 lm	C 0 - 180	C 90 - 270
8 204 066 069	white		(102 W)		43°	62°
8 204 056 069	silver grey		warm white (3000 K)			

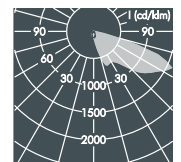
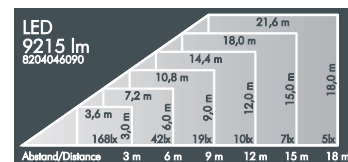


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 204 045 069	black	6.2 kg	4 x LED module 25.5 W	11501 lm	C 0 - 180	C 90 - 270
8 204 065 069	white		(102 W)		43°	62°
8 204 055 069	silver grey		neutral white (4000 K)			

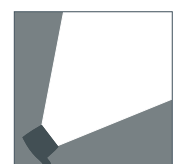
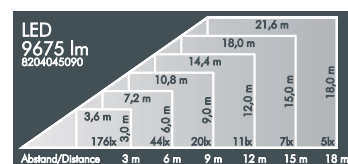


Monoflood 4, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 204 046 099	black	6.2 kg	2 x LED module 52 W	9215 lm	65°
8 204 066 099	white		(104 W)		
8 204 056 099	silver grey		warm white (3000 K)		



Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 204 045 099	black	6.2 kg	2 x LED module 52 W	9675 lm	65°
8 204 065 099	white		(104 W)		
8 204 055 099	silver grey		neutral white (4000 K)		






Part number	Description
... 1..	Dimmable luminaire (DALI)

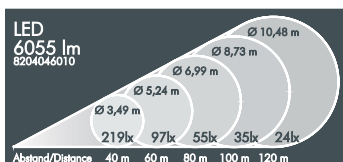
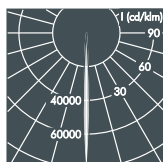
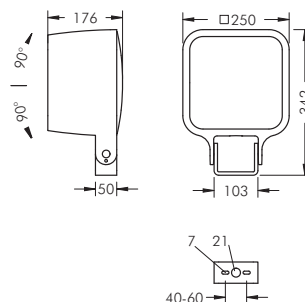
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



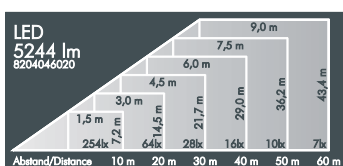
Monoflood 4 with mounting bracket lens optics

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 AW 0.046 m²
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 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

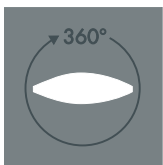
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 204 046 019	black	6.6 kg	13 x LED 7.5 W	6055 lm	5°
8 204 066 019	white		(98 W)		
8 204 056 019	silver grey		warm white (3000 K)		



Monoflood 4, linear beam spread, vertical

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 204 046 029	black	6.6 kg	13 x LED 7.5 W	5244 lm	C 0 - 180
8 204 066 029	white		(98 W)		C 90 - 270
8 204 056 029	silver grey		warm white (3000 K)		40°

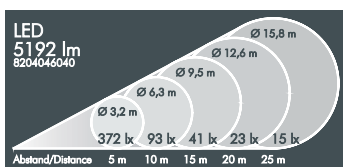
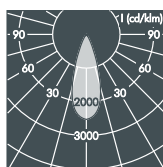
... .3. Luminaire with linear beam spread, horizontal



Monoflood 4, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 204 046 079	black	Luminaire with external	4720 lm	C 0 - 180
8 204 066 079	white	ribbed glass spreader lens,		C 90 - 270
8 204 056 079	silver grey	continuously adjustable through 360°		7°
		from outside the luminaire		29°

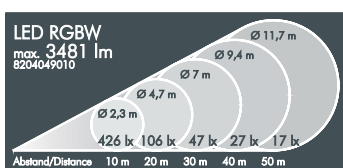
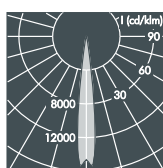
Weight 7.2 kg



Monoflood 4, medium wide beam

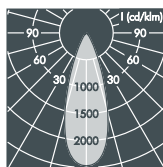
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 204 046 049	black	6.6 kg	13 x LED 7.5 W	5192 lm	35°
8 204 066 049	white		(98 W)		
8 204 056 049	silver grey		warm white (3000 K)		

Part number	Description
... .5 ...	Luminaire with neutral white colour temperature (4000 K)
... .1 ...	Dimmable luminaire (DALI)



Monoflood 4 RGBW, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 204 049 019	black	6.9 kg	13 x LED module RGBW	max.	13°
8 204 069 019	white		W = 3000 K	3481 lm	
8 204 059 019	silver grey		(max. 105 W)		



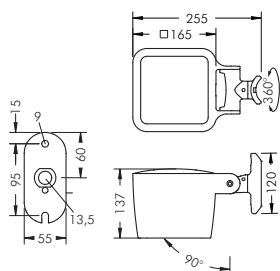
Monoflood 4 RGBW, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 204 049 049	black	6.9 kg	13 x LED module RGBW	max.	35°
8 204 069 049	white		W = 3000 K	2751 lm	
8 204 059 049	silver grey		(max. 105 W)		

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



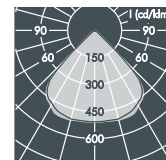
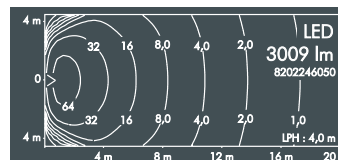


Monoflood 2 pole luminaire reflector optic

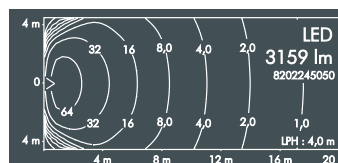
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 $\diamond \blacktriangle \blacktriangle \blacktriangle$, IK08
 windage area AW 0.026 m²
 corrosion-resistant die cast 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 \varnothing 60 - 100 mm, tiltable base made of powder coated aluminium, 2 drilled holes \varnothing 9 mm, spacing 95 mm, 1 drilled hole \varnothing 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)	
8 202 246 059	black	3.0 kg	1 x LED module 27 W	3009 lm	C 0 – 180	C 90 – 270
8 202 266 059	white		warm white (3000 K)		88°	89°
8 202 256 059	silver grey					

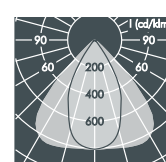
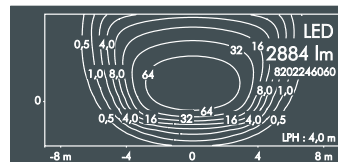


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 202 245 059	black	3.0 kg	1 x LED module 27 W	3159 lm	C 0 – 180	C 90 – 270
8 202 265 059	white		neutral white (4000 K)		88°	89°
8 202 255 059	silver grey					

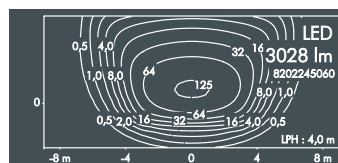


Monoflood 2 pole luminaire, axially symmetrical narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 202 246 069	black	3.0 kg	1 x LED module 27 W	2884 lm	C 0 – 180	C 90 – 270
8 202 266 069	white		warm white (3000 K)		55°	86°
8 202 256 069	silver grey					

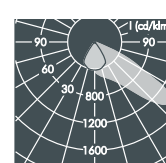
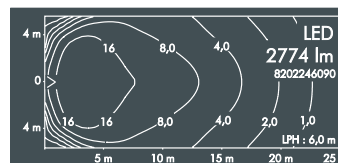


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 202 245 069	black	3.0 kg	1 x LED module 27 W	3028 lm	C 0 – 180	C 90 – 270
8 202 265 069	white		neutral white (4000 K)		55°	86°
8 202 255 069	silver grey					

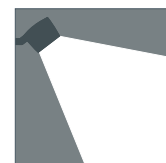
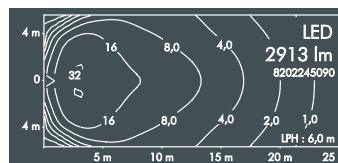


Monoflood 2 pole luminaire, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 202 246 099	black	3.0 kg	1 x LED module 27 W	2774 lm	53°
8 202 266 099	white		warm white (3000 K)		
8 202 256 099	silver grey				

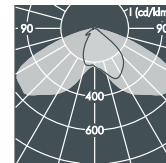
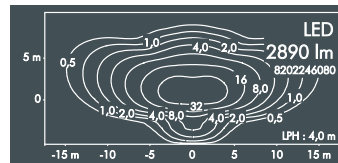


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 202 245 099	black	3.0 kg	1 x LED module 27 W	2913 lm	53°
8 202 265 099	white		neutral white (4000 K)		
8 202 255 099	silver grey				



Monoflood 2 pole luminaire, Street Optic

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 202 246 089	black	3.3 kg	1 x LED module 27 W	2890 lm	C 0 – 180	C 90 – 270
8 202 266 089	white		warm white (3000 K)		51°	121°
8 202 256 089	silver grey					



Part number	Description
... 5 ...	Luminaire with neutral white colour temperature (4000 K)
... 1 ..	Dimmable luminaire (DALI)

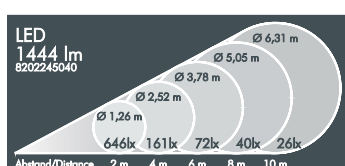
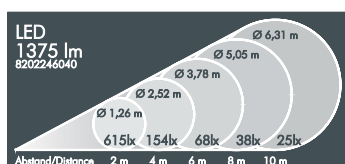
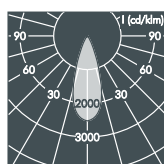
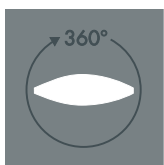
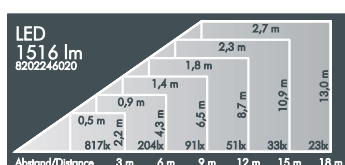
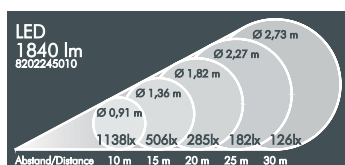
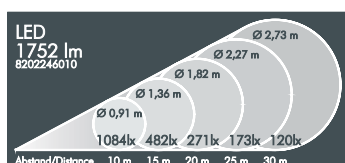
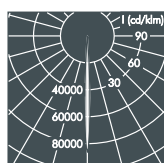
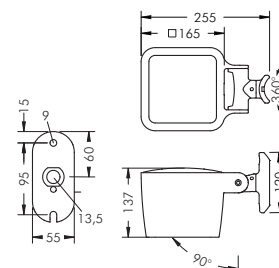
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



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 m²
 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)
8 202 246 019	black	3.2 kg	5 x LED 5.6 W (28 W)	1752 lm	5°
8 202 266 019	white				
8 202 256 019	silver grey		warm white (3000 K)		

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 202 245 019	black	3.2 kg	5 x LED 5.6 W (28 W)	1840 lm	5°
8 202 265 019	white				
8 202 255 019	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)
8 202 246 029	black	3.2 kg	5 x LED 5.6 W (28 W)	1516 lm	C 0 - 180
8 202 266 029	white				C 90 - 270
8 202 256 029	silver grey		warm white (3000 K)		40°

Monoflood 2 pole luminaire, linear beam spread, horizontal

Monoflood 2 pole luminaire, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 202 246 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	1364 lm	C 0 - 180
8 202 266 079	white			
8 202 256 079	silver grey			
Weight 3.4 kg				29°

Monoflood 2 pole luminaire, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 202 246 049	black	3.2 kg	5 x LED 5.6 W (28 W)	1375 lm	35°
8 202 266 049	white				
8 202 256 049	silver grey		warm white (3000 K)		

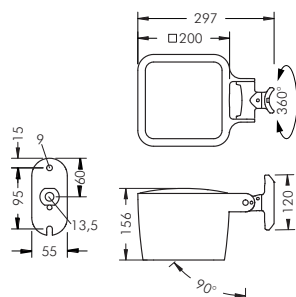
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 202 245 049	black	3.2 kg	5 x LED 5.6 W (28 W)	1444 lm	35°
8 202 265 049	white				
8 202 255 049	silver grey		neutral white (4000 K)		

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



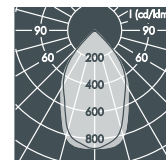
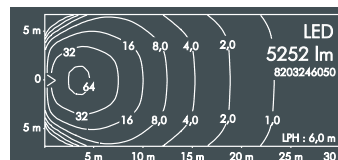


Monoflood 3 pole luminaire reflector optic

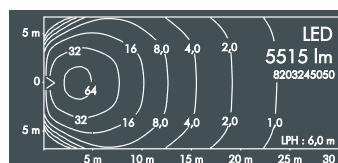
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 $\diamond \blacktriangle \blacktriangle \blacktriangle$, IK08 windage area AW 0.034 m² corrosion-resistant die cast aluminium 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 \varnothing 60 - 100 mm, tiltable base made of powder coated aluminium, 2 drilled holes \varnothing 9 mm, spacing 95 mm, 1 drilled hole \varnothing 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)	
8 203 246 059	black	4.4 kg	1 x LED module 52 W	5252 lm	C 0 – 180	C 90 – 270
8 203 266 059	white		warm white (3000 K)		63°	67°
8 203 256 059	silver grey					

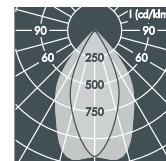
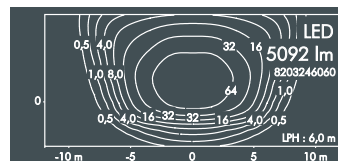


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 203 245 059	black	4.4 kg	1 x LED module 52 W	5515 lm	C 0 – 180	C 90 – 270
8 203 265 059	white		neutral white (4000 K)		63°	67°
8 203 255 059	silver grey					

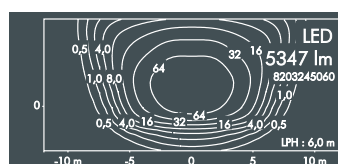


Monoflood 3 pole luminaire, axially symmetrical narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 203 246 069	black	4.4 kg	1 x LED module 52 W	5092 lm	C 0 – 180	C 90 – 270
8 203 266 069	white		warm white (3000 K)		45°	69°
8 203 256 069	silver grey					

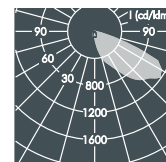
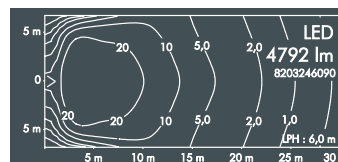


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 203 245 069	black	4.4 kg	1 x LED module 52 W	5347 lm	C 0 – 180	C 90 – 270
8 203 265 069	white		neutral white (4000 K)		45°	69°
8 203 255 069	silver grey					

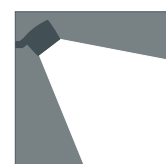
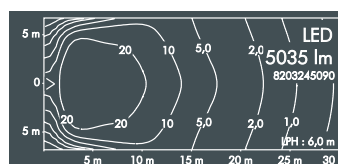


Monoflood 3 pole luminaire, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 203 246 099	black	4.4 kg	1 x LED module 52 W	4792 lm	56°
8 203 266 099	white		warm white (3000 K)		
8 203 256 099	silver grey				

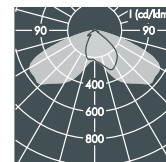
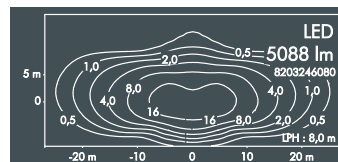


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 203 245 099	black	4.4 kg	1 x LED module 52 W	5035 lm	56°
8 203 265 099	white		neutral white (4000 K)		
8 203 255 099	silver grey				



Monoflood 3 pole luminaire, Street Optic

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 203 246 089	black	4.7 kg	1 x LED module 52 W	5088 lm	C 0 – 180	C 90 – 270
8 203 266 089	white		warm white (3000 K)		51°	121°
8 203 256 089	silver grey					



Part number	Description
... .. 5 ...	Luminaire with neutral white colour temperature (4000 K)
... .. 1 ..	Dimmable luminaire (DALI)

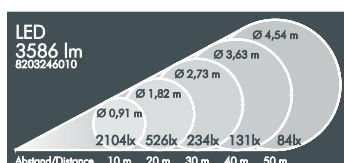
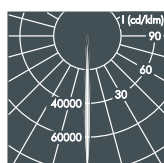
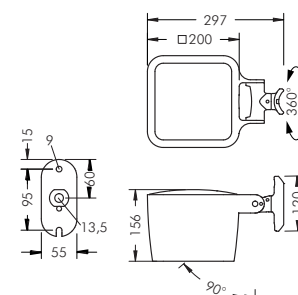
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



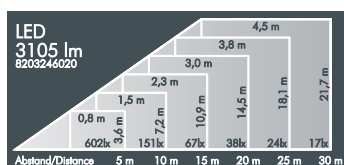
Monoflood 3 pole luminaire lens optics

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 m²
 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)



Monoflood 3 pole luminaire, narrow beam

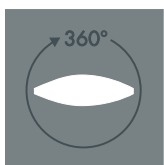
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 203 246 019	black	4.7 kg	9 x LED 6 W (54 W)	3586 lm	5°
8 203 266 019	white				
8 203 256 019	silver grey		warm white (3000 K)		



Monoflood 3 pole luminaire, linear beam spread, vertical

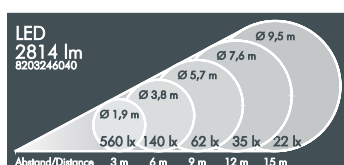
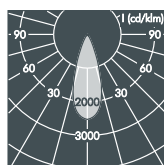
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 203 246 029	black	4.7 kg	9 x LED 6 W (54 W)	3105 lm	C 0 - 180
8 203 266 029	white				C 90 - 270
8 203 256 029	silver grey		warm white (3000 K)		40°

... .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)
8 203 246 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	2795 lm	C 0 - 180
8 203 266 079	white			C 90 - 270
8 203 256 079	silver grey			7°
Weight 4.9 kg				29°



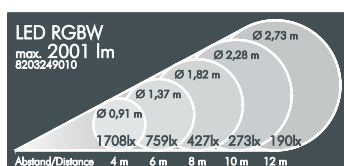
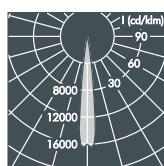
Monoflood 3 pole luminaire, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 203 246 049	black	4.7 kg	9 x LED 6 W (54 W)	2814 lm	35°
8 203 266 049	white				
8 203 256 049	silver grey		warm white (3000 K)		

Part number Description

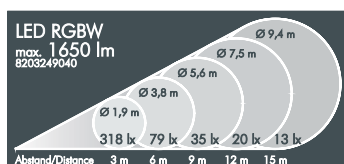
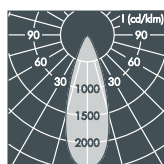
... .5 ... **Luminaire with neutral white colour temperature (4000 K)**

... .1 ... **Dimmable luminaire (DALI)**



Monoflood 3 RGBW pole luminaire, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 203 249 019	black	4.8 kg	9 x LED module RGBW	max.	13°
8 203 269 019	white		W = 3000 K	2001 lm	
8 203 259 019	silver grey		(max. 52 W)		



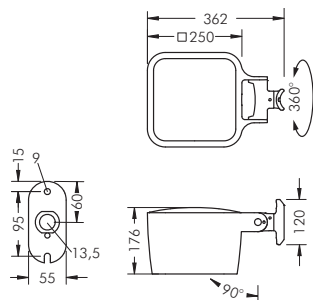
Monoflood 3 RGBW pole luminaire, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 203 249 049	black	4.8 kg	9 x LED module RGBW	max.	35°
8 203 269 049	white		W = 3000 K	1650 lm	
8 203 259 049	silver grey		(max. 52 W)		

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



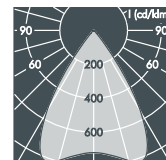
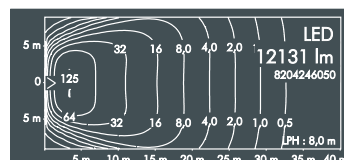


Monoflood 4 pole luminaire reflector optic

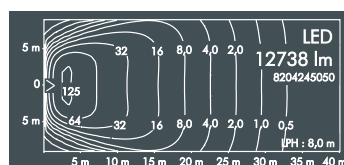
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 , IK08 windage area AW 0.048 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, highly efficient 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)	
8 204 246 059	black	6.5 kg	4 x LED module 25.5 W	12131 lm	C 0 – 180	C 90 – 270
8 204 266 059	white		(102 W)		65°	66°
8 204 256 059	silver grey		warm white (3000 K)			

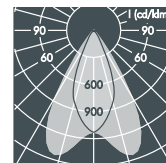
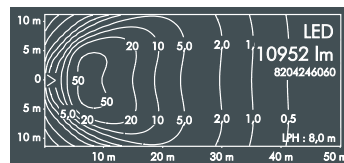


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 204 245 059	black	6.5 kg	4 x LED module 25.5 W	12738 lm	C 0 – 180	C 90 – 270
8 204 265 059	white		(102 W)		65°	66°
8 204 255 059	silver grey		neutral white (4000 K)			

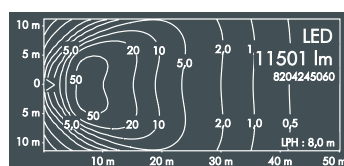


Monoflood 4 pole luminaire, axially symmetrical narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 204 246 069	black	6.5 kg	4 x LED module 25.5 W	10952 lm	C 0 – 180	C 90 – 270
8 204 266 069	white		(102 W)		43°	62°
8 204 256 069	silver grey		warm white (3000 K)			

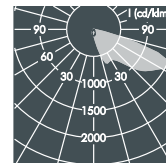
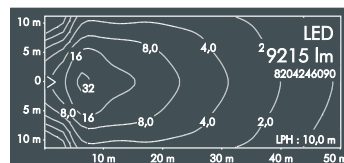


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 204 245 069	black	6.5 kg	4 x LED module 25.5 W	11501 lm	C 0 – 180	C 90 – 270
8 204 265 069	white		(102 W)		43°	62°
8 204 255 069	silver grey		neutral white (4000 K)			

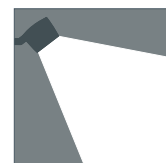
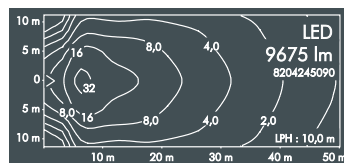


Monoflood 4 pole luminaire, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 204 246 099	black	6.5 kg	2 x LED module 52 W	9215 lm	65°
8 204 266 099	white		(104 W)		
8 204 256 099	silver grey		warm white (3000 K)		



Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 204 245 099	black	6.5 kg	2 x LED module 52 W	9675 lm	65°
8 204 265 099	white		(104 W)		
8 204 255 099	silver grey		neutral white (4000 K)		



Part number	Description
. 1..	Dimmable luminaire (DALI)

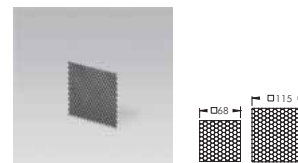
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



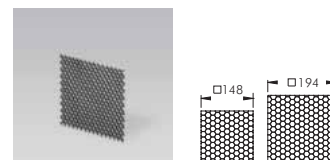
Monoflood 1, 2

Part number	Luminaire	Description
122 0 411 000	Monoflood 1	Honeycomb louvre , internal (factory fitted), to avoid glare
122 0 412 000	Monoflood 2	



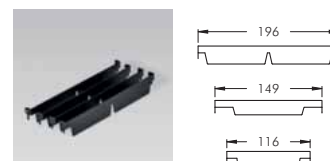
Monoflood 3, 4

Part number	Luminaire	Description
122 0 413 000	Monoflood 3	Honeycomb louvre , internal (factory fitted), to avoid glare
122 0 414 000	Monoflood 4	



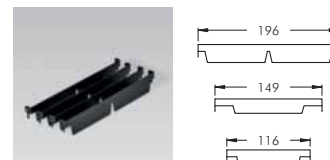
Monoflood 2, 3, 4 axially symmetrical wide beam

Part number	Luminaire	Description
122 0 397 940	Monoflood 2	Vertical louvre , stainless steel, to reduce lateral glare, internal (factory fitted)
122 0 398 940	Monoflood 3	
122 0 399 940	Monoflood 4	



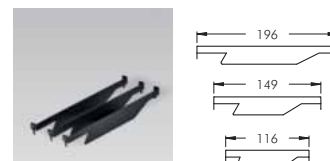
Monoflood 2, 3, 4 axially symmetrical wide beam

Part number	Luminaire	Description
122 0 440 940	Monoflood 2	Horizontal louvre , stainless steel, to reduce lateral glare, 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, to reduce lateral glare, 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)
			narrow beam
122 0 408 000	Monoflood 2	Prismatic glass , for diffused light distribution, internal (factory fitted)	12°
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.



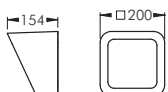
Monoflood 1

Part number	Colour	Description
122 0 401 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
122 0 401 960	white	
122 0 401 950	silver grey	



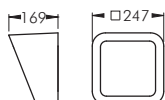
Monoflood 2

Part number	Colour	Description
122 0 402 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
122 0 402 960	white	
122 0 402 950	silver grey	



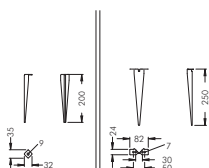
Monoflood 3

Part number	Colour	Description
122 0 403 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
122 0 403 960	white	
122 0 403 950	silver grey	

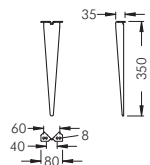


Monoflood 4

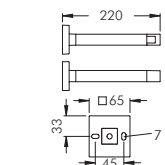
Part number	Colour	Description
122 0 404 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
122 0 404 960	white	
122 0 404 950	silver grey	



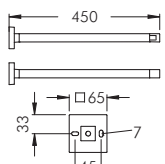
Monoflood 1		Monoflood 2		Bezeichnung
Part number	Colour	Part number	Colour	
129 0 731 940	black	129 0 502 940	black	Stainless steel earth spike , for use in landscape lighting
129 0 731 960	white	129 0 502 960	white	
129 0 731 950	silver grey	129 0 502 950	silver grey	



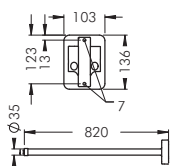
Monoflood 3, 4		
Artikelnummer	Colour	Description
129 0 736 940	black	Stainless steel earth spike , for use in landscape lighting
129 0 736 960	white	
129 0 736 950	silver grey	



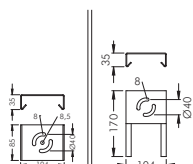
Monoflood 1		
Part number	Colour	Description
128 0 738 940	black	Wall arm 220 mm , aluminium, polyester powder coated
128 0 738 960	white	
128 0 738 950	silver grey	



Monoflood 1		
Part number	Colour	Description
128 0 739 940	black	Wall arm 450 mm , aluminium, polyester powder coated
128 0 739 960	white	
128 0 739 950	silver grey	



Monoflood 2, 3		
Part number	Colour	Description
128 0 801 940	black	Wall arm 820 mm , aluminium, polyester powder coated, for illumination of signs and facades, cable duct inside, max. load 6.0 kg
128 0 801 960	white	
128 0 801 950	silver grey	



Monoflood 1, 2		Monoflood 3		Description
Part number	Colour	Part number	Colour	
120 0 620 940	black	120 0 622 940	black	Expandable tree strap with mounting plate , made of polyester fiber for trunk circumference 350 - 450 mm*, 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.

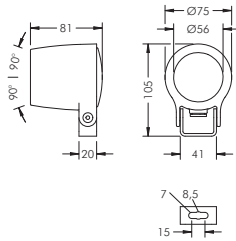
For the Monospot series there is a gobo projector available with precise optics for sharp-edged image projections. The optical system can accommodate gobos and colour filters simultaneously. With the help of a framer, the edges of the image can be defined and adapted to the size of the projection surface. 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 Kjær,
COWI Lighting Design, Lyngby/Denmark

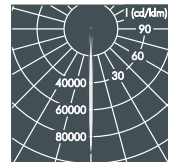
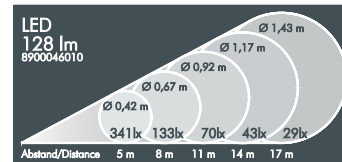


Monospot Mini

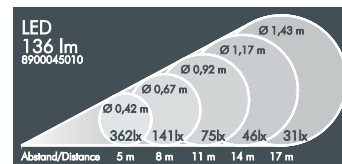
With high performance LED,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK08
 windage area AWW 0.006 m²
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 precise PMMA optic,
 all exterior steel parts are stainless 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)
8 900 046 019	black	0.5 kg	1 x LED 3 W warm white (3000 K)	128 lm	4°
8 900 066 019	white				
8 900 056 019	silver grey				

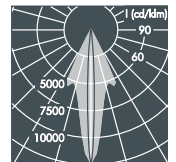
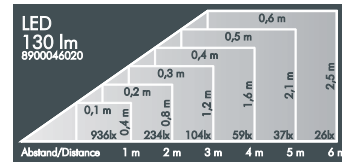


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 900 045 019	black	0.5 kg	1 x LED 3 W neutral white (4000 K)	136 lm	4°
8 900 065 019	white				
8 900 055 019	silver grey				

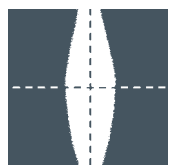
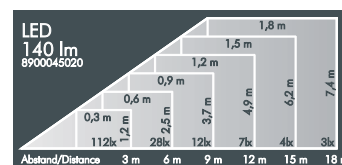


Monospot Mini, linear beam spread, vertical

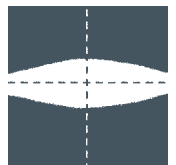
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 900 046 029	black	0.5 kg	1 x LED 3 W warm white (3000 K)	130 lm	24°	6°
8 900 066 029	white					
8 900 056 029	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 900 045 029	black	0.5 kg	1 x LED 3 W neutral white (4000 K)	140 lm	24°	6°
8 900 065 029	white					
8 900 055 029	silver grey					

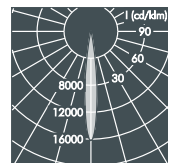
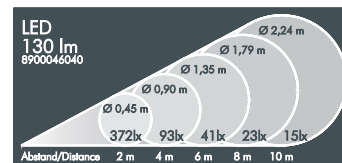


Part number	Description
.3.	Luminaire with linear beam spread, horizontal

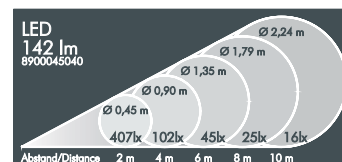


Monospot Mini, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 900 046 049	black	0.5 kg	1 x LED 3 W warm white (3000 K)	130 lm	13°
8 900 066 049	white				
8 900 056 049	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 900 045 049	black	0.5 kg	1 x LED 3 W neutral white (4000 K)	142 lm	13°
8 900 065 049	white				
8 900 055 049	silver grey				



LED (see page 247)

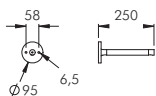
luminaires available in 2700 K and other colour temperatures upon request



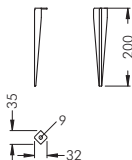


Accessories for Monospot Mini

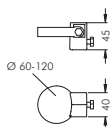
Part number	Colour	Description
129 0 699 940	black	Cowl , stainless steel,
129 0 699 960	white	to avoid lateral glare, for retro-fitting
129 0 699 950	silver grey	



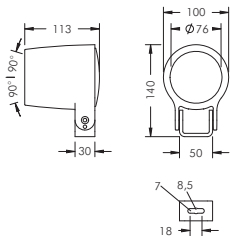
Part number	Colour	Description
129 0 500 940	black	Wall arm 250 mm ,
129 0 500 960	white	aluminium, polyester powder coated
129 0 500 950	silver grey	



Part number	Colour	Description
129 0 731 940	black	Stainless steel earth spike ,
129 0 731 960	white	for use in landscape lighting
129 0 731 950	silver grey	



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

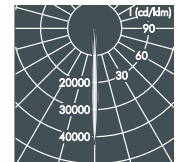
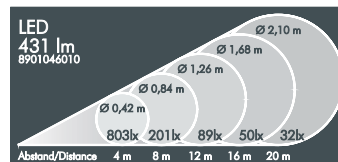


Monospot 1 with mounting bracket

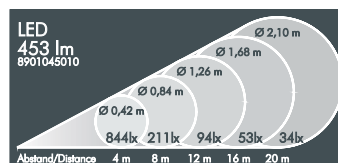
With high performance LED module, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP67 , IK08
 windage area AW 0.012 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 highly efficient 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)
8 901 046 019	black	1.0 kg	1 x LED module 6 W warm white (3000 K)	431 lm	6°
8 901 066 019	white				
8 901 056 019	silver grey				

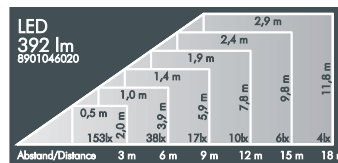


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 045 019	black	1.0 kg	1 x LED module 6 W neutral white (4000 K)	453 lm	6°
8 901 065 019	white				
8 901 055 019	silver grey				



Monospot 1, linear beam spread, vertical

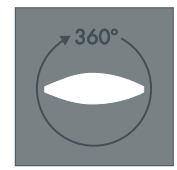
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 046 029	black	1.0 kg	1 x LED module 6 W warm white (3000 K)	392 lm	C 0 – 180
8 901 066 029	white				34°
8 901 056 029	silver grey				7°



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

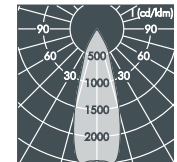
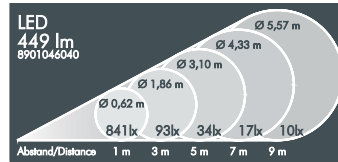
Monospot 1, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 901 046 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	353 lm	C 0 – 180
8 901 066 079	white			34°
8 901 056 079	silver grey			7°
		Weight 1.1 kg		



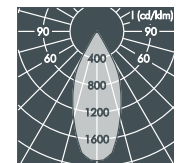
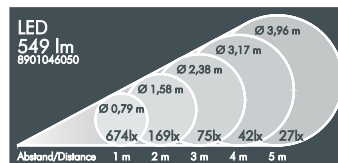
Monospot 1, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 046 049	black	1.0 kg	1 x LED module 6 W (Zhaga) warm white (3000 K)	449 lm	34°
8 901 066 049	white				
8 901 056 049	silver grey				

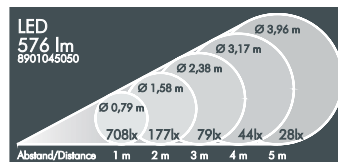


Monospot 1, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 046 059	black	1.0 kg	1 x LED module 6 W (Zhaga) warm white (3000 K)	549 lm	44°
8 901 066 059	white				
8 901 056 059	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 045 059	black	1.0 kg	1 x LED module 6 W (Zhaga) neutral white (4000 K)	576 lm	44°
8 901 065 059	white				
8 901 055 059	silver grey				




Part number	Description
... .5 ...	Luminaire with neutral white colour temperature (4000 K)

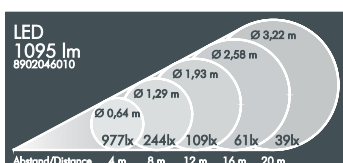
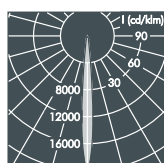
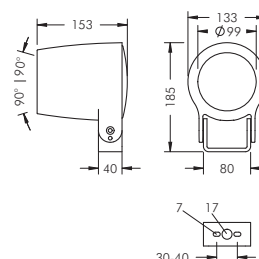
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



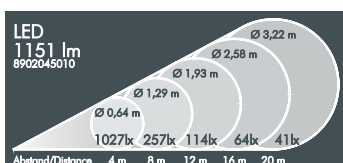
Monospot 2 with mounting bracket

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 m²
 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)

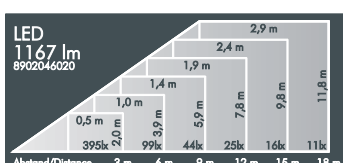


Monospot 2, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 046 019	black	1.9 kg	1 x LED module 15 W	1095 lm	8°
8 902 066 019	white		warm white (3000 K)		
8 902 056 019	silver grey				



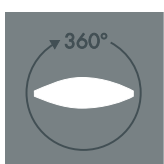
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 045 019	black	1.9 kg	1 x LED module 15 W	1151 lm	8°
8 902 065 019	white		neutral white (4000 K)		
8 902 055 019	silver grey				



Monospot 2, linear beam spread, vertical

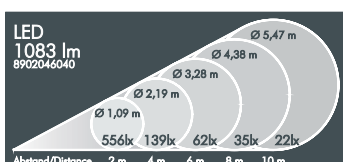
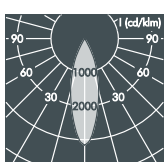
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 046 029	black	1.9 kg	1 x LED module 15 W	1167 lm	C 0 – 180
8 902 066 029	white		warm white (3000 K)		C 90 – 270
8 902 056 029	silver grey				35°

. 3. Luminaire with linear beam spread, horizontal



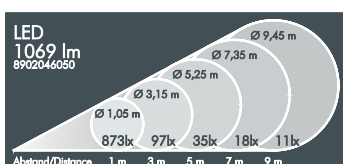
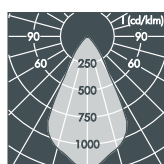
Monospot 2, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 902 046 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	1008 lm	C 0 – 180
8 902 066 079	white			C 90 – 270
8 902 056 079	silver grey			35°
		Weight 2.0 kg		8°



Monospot 2, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 046 049	black	1.9 kg	1 x LED module 15 W	1083 lm	31°
8 902 066 049	white		warm white (3000 K)		
8 902 056 049	silver grey				



Monospot 2, wide beam

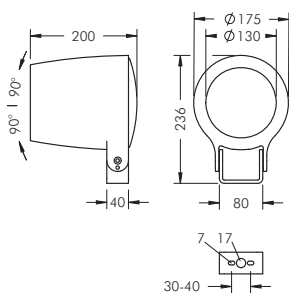
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 046 059	black	1.9 kg	1 x LED module 15 W	1069 lm	55°
8 902 066 059	white		warm white (3000 K)		
8 902 056 059	silver grey				

Part number	Description
. . . 6	Protection class II luminaire
. 5	Luminaire with neutral white colour temperature (4000 K)
. 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



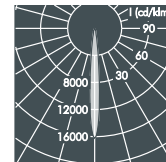
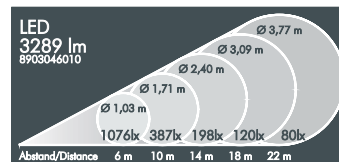


Monospot 3 with mounting bracket

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 m²
 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 \varnothing 7 mm, spacing 30-40 mm, 1 centre hole \varnothing 17 mm, tilt range 180°, M20 cable gland, integral driver (AC/DC)

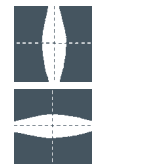
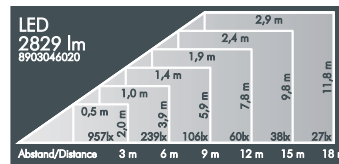
Monospot 3, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 019	black	3.1 kg	1 x LED module 36 W warm white (3000 K)	3289 lm	9°
8 903 066 019	white				
8 903 056 019	silver grey				



Monospot 3, linear beam spread, vertical

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 029	black	3.1 kg	1 x LED module 36 W warm white (3000 K)	2829 lm	C 0 – 180
8 903 066 029	white				36°
8 903 056 029	silver grey				9°

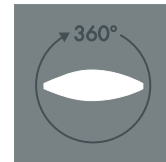


. 3. Luminaire with linear beam spread, horizontal

Monospot 3, linear beam spread, rotatable

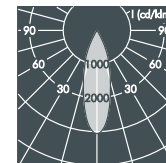
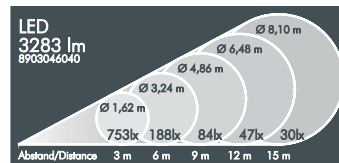
Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 903 046 079	black	Luminaire with external ribbed glass spreader lens , continuously adjustable through 360° from outside the luminaire	2603 lm	C 0 – 180
8 903 066 079	white			36°
8 903 056 079	silver grey			9°

Weight 3.2 kg



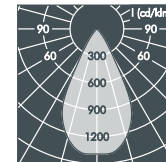
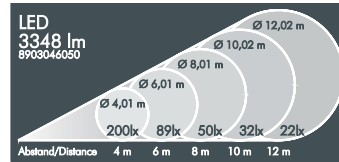
Monospot 3, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 049	black	3.1 kg	1 x LED module 36 W warm white (3000 K)	3283 lm	30°
8 903 066 049	white				
8 903 056 049	silver grey				



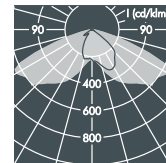
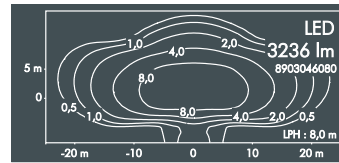
Monospot 3, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 059	black	3.1 kg	1 x LED module 36 W warm white (3000 K)	3348 lm	53°
8 903 066 059	white				
8 903 056 059	silver grey				



Monospot 3, Street Optic

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 089	black	3.9 kg	1 x LED module 36 W warm white (3000 K)	3236 lm	C 0 – 180
8 903 066 089	white				51°
8 903 056 089	silver grey				121°



Part number	Description
. . . 7	Protection class II luminaire
. 5	Luminaire with neutral white colour temperature (4000 K)
. 1	Dimmable luminaire (DALI)
. 2	Dimmable luminaire (1-10 V) *


* Not available for Monospot 3, Street Optic

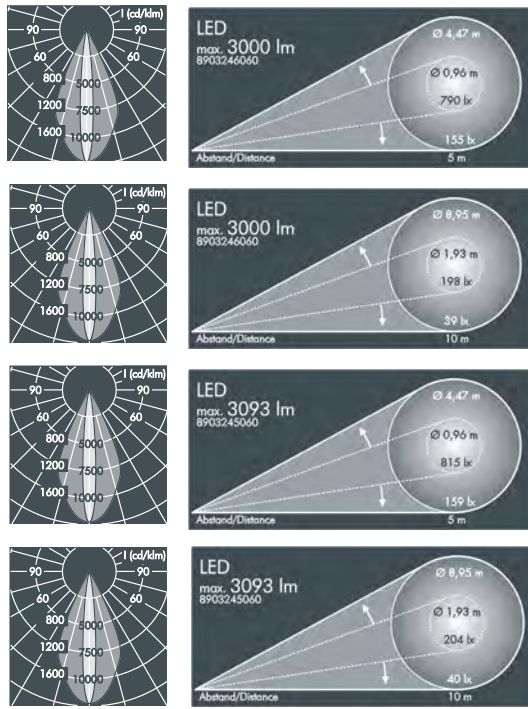
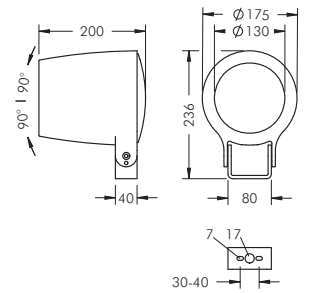
LED (see page 247)

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 AW 0.034 m²
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 high transmission glass optical lens,
 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 \varnothing 7 mm,
 spacing 30-40 mm, 1 centre hole \varnothing 17 mm,
 tilt range 180°, M20 cable gland,
 integral driver (AC/DC)

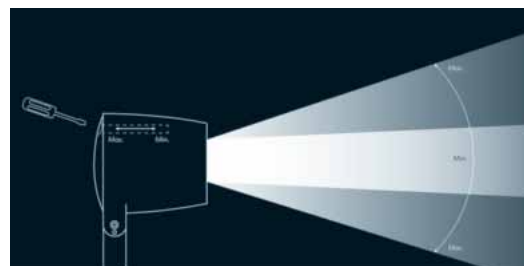


Monospot 3 Vario Optic

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 069	black	3.8 kg	1 x LED module 36 W warm white (3000 K)	max. 3000 lm	11°-48°
8 903 066 069	white				
8 903 056 069	silver grey				

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 045 069	black	3.8 kg	1 x LED module 36 W neutral white (4000 K)	max. 3093 lm	11°-48°
8 903 065 069	white				
8 903 055 069	silver grey				

Part number	Description
... 7 ...	Protection class II luminaire
... .. 1 ..	Dimmable luminaire (DALI)
... .. 2 ..	Dimmable luminaire (1-10 V)

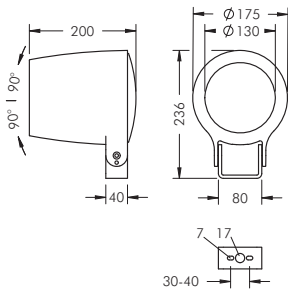


The Vario Optic makes it possible to adjust the beam angle. This is done from outside the luminaire so that the optimal beam angle can be achieved while the floodlight is switched on. This function offers a high degree of flexibility, for example in landscape lighting.

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request





Monospot 3 with mounting bracket asymmetrical beam

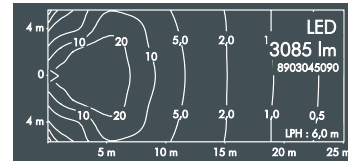
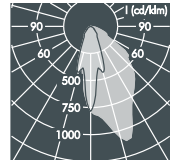
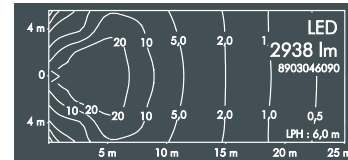
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: 2 SDCM
Service life: L90/B10 > 50 000 h
protection class I or II, IP67 , IK08
windage area AW 0.034 m²
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
highly efficient reflector,
all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 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, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 903 046 099	black	3.5 kg	1 x LED module 36 W warm white (3000 K)	2938 lm	18°
8 903 066 099	white				
8 903 056 099	silver grey				

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 903 045 099	black	3.5 kg	1 x LED module 36 W neutral white (4000 K)	3085 lm	18°
8 903 065 099	white				
8 903 055 099	silver grey				

Part number	Description
. . . 7	Protection class II luminaire
. 1 . .	Dimmable luminaire (DALI)
. 2 . .	Dimmable luminaire (1-10 V)




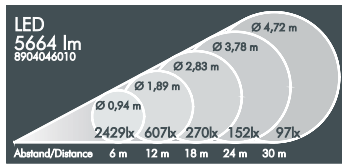
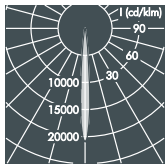
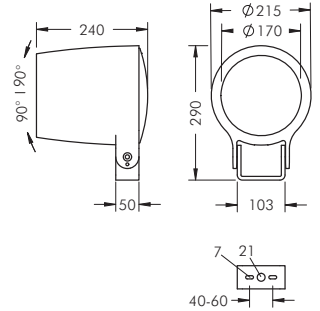
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



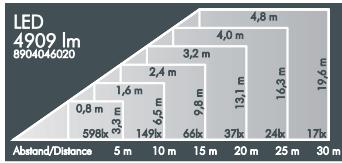
**Monospot 4
with mounting bracket**

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 AW 0.051 m²
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

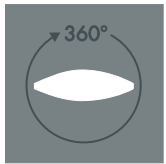
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 046 019	black	4.9 kg	1 x LED module 70 W warm white (3000 K)	5664 lm	9°
8 904 066 019	white				
8 904 056 019	silver grey				



Monospot 4, linear beam spread, vertical

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 046 029	black	4.9 kg	1 x LED module 70 W warm white (3000 K)	4909 lm	C 0 - 180
8 904 066 029	white				C 90 - 270
8 904 056 029	silver grey				36°

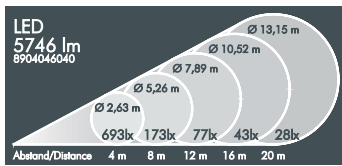
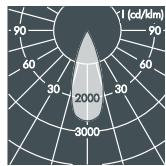
... 3. Luminaire with linear beam spread, horizontal



Monospot 4, linear beam spread, rotatable

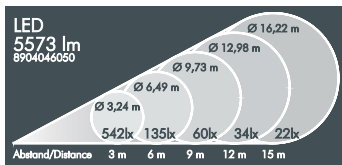
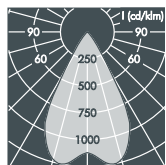
Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 904 046 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	4517 lm	C 0 - 180
8 904 066 079	white			C 90 - 270
8 904 056 079	silver grey			36°

Weight 5.1 kg



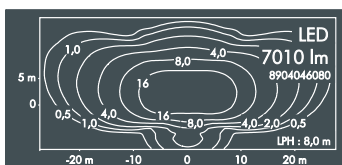
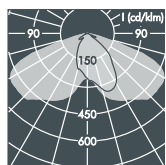
Monospot 4, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 046 049	black	4.9 kg	1 x LED module 70 W warm white (3000 K)	5746 lm	36°
8 904 066 049	white				
8 904 056 049	silver grey				



Monospot 4, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 046 059	black	4.9 kg	1 x LED module 70 W warm white (3000 K)	5573 lm	57°
8 904 066 059	white				
8 904 056 059	silver grey				



Monospot 4, Street Optic

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 046 089	black	5.1 kg	1 x LED module 70 W warm white (3000 K)	7010 lm	C 0 - 180
8 904 066 089	white				C 90 - 270
8 904 056 089	silver grey				51°

Part number	Description
. . . 8	Protection class II luminaire
. 5 . . .	Luminaire with neutral white colour temperature (4000 K)
. 1 . .	Dimmable luminaire (DALI)
Part number *	Description
. . . 4 . . 9 0 . .	Luminaire with LED module RGBW max. 49 W
. . . 4 . . 2 1 . .	Luminaire with Tuneable White LED max. 37 W (2700 K - 6500 K)


* Not available for Monospot 4, Street Optic

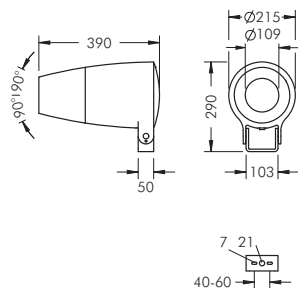
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



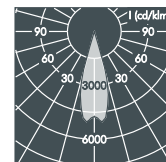
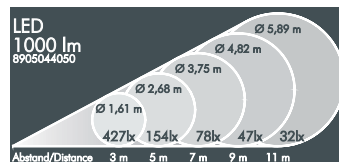
Monospot Gobo

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 m²,
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, focusable lens, 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)



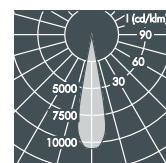
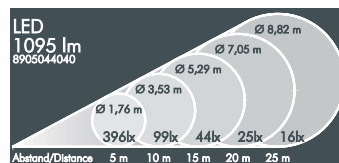
Monospot Gobo, 63 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 905 044 059	black	6.7 kg	1 x LED module 47 W cool white (6500 K)	1000 lm	30°
8 905 064 059	white				
8 905 054 059	silver grey				



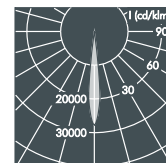
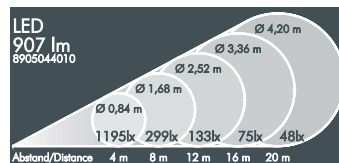
Monospot Gobo, 85 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 905 044 049	black	6.7 kg	1x LED module 47 W cool white (6500 K)	1095 lm	20°
8 905 064 049	white				
8 905 054 049	silver grey				



Monospot Gobo, 150 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 905 044 019	black	6.7 kg	1x LED module 47 W cool white (6500 K)	907 lm	12°
8 905 064 019	white				
8 905 054 019	silver grey				



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

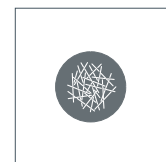
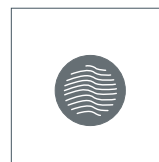
Accessories Monospot Gobo

Part number	Colour	Description
129 0 551 000	yellow	Dichroic colour filter
129 0 557 000	red	
129 0 553 000	blue	
129 0 558 000	green	

Part number	Description
129 0 780 000	Fraser for sharp edges on 3- or 4-sided images

Part number	Example	Description
129 0 489 000	waves	Standard gobos Ø 50 mm
129 0 490 000	stars	
129 0 491 000	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)

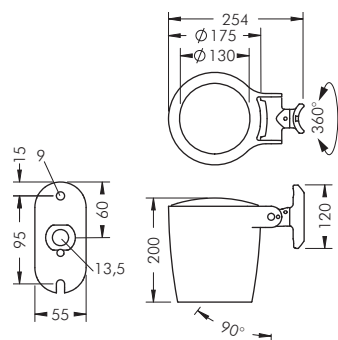


LED (see page 247)



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                                                           

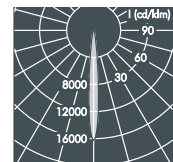
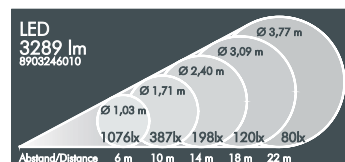


Monospot 3 pole luminaire

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 AW 0.034 m²
 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)

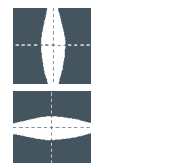
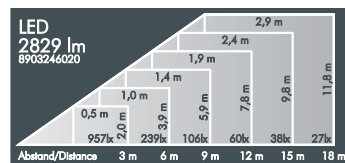
Monospot 3 pole luminaire, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 019	black	3.3 kg	1 x LED module 36 W warm white (3000 K)	3289 lm	9°
8 903 266 019	white				
8 903 256 019	silver grey				



Monospot 3 pole luminaire, linear beam spread, vertical

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 029	black	3.3 kg	1 x LED module 36 W warm white (3000 K)	2829 lm	C 0 – 180
8 903 266 029	white				C 90 – 270
8 903 256 029	silver grey				36°

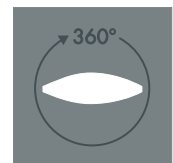


. 3. Luminaire with linear beam spread, horizontal

Monospot 3 pole luminaire, linear beam spread, rotatable

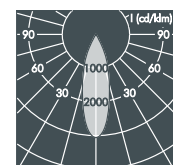
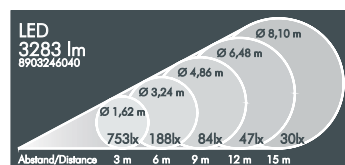
Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 903 246 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	2603 lm	C 0 – 180
8 903 266 079	white			C 90 – 270
8 903 256 079	silver grey			36°

Weight 3.4 kg



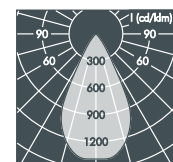
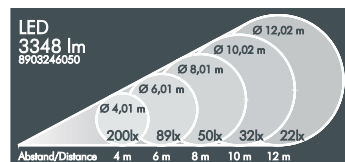
Monospot 3 pole luminaire, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 049	black	3.3 kg	1 x LED module 36 W warm white (3000 K)	3283 lm	30°
8 903 266 049	white				
8 903 256 049	silver grey				



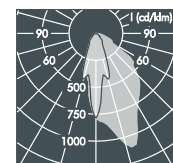
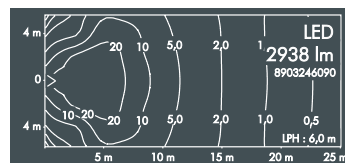
Monospot 3 pole luminaire, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 059	black	3.3 kg	1 x LED module 36 W warm white (3000 K)	3348 lm	53°
8 903 266 059	white				
8 903 256 059	silver grey				

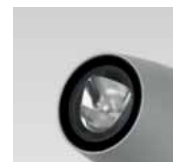


Monospot 3 pole luminaire, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 903 246 099	black	3.7 kg	1 x LED module 36 W warm white (3000 K)	2938 lm	18°
8 903 266 099	white				
8 903 256 099	silver grey				



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




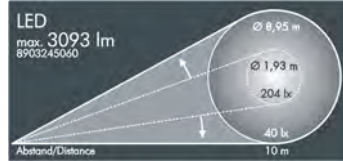
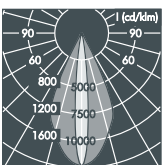
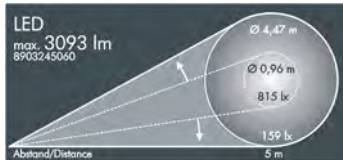
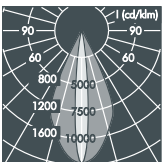
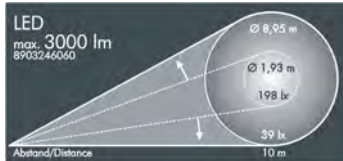
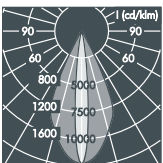
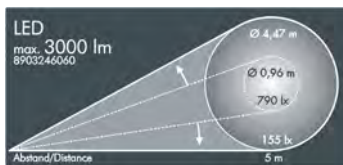
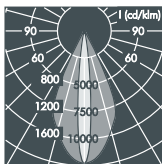
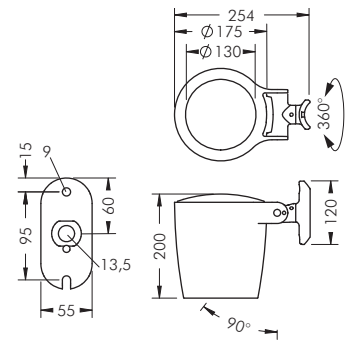
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



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 AW 0.034 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high transmission glass optical lens, 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)
8 903 246 069	black	4.0 kg	1 x LED module 36 W warm white (3000 K)	max. 3000 lm	11°-48°
8 903 266 069	white				
8 903 256 069	silver grey				

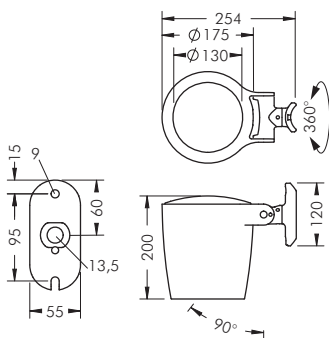
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 245 069	black	4.0 kg	1 x LED module 36 W neutral white (4000 K)	max. 3093 lm	11°-48°
8 903 265 069	white				
8 903 255 069	silver grey				

Part number	Description
. . . 7	Protection class II luminaire
. 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





Monospot 3 Street Optic pole luminaire

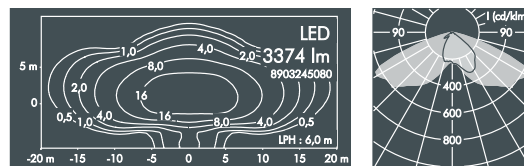
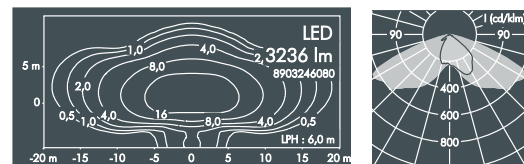
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I or II, IP67 , IK08
 windage area AW 0.034 m²

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)	
8 903 246 089	black	4.1 kg	1 x LED module 36 W warm white (3000 K)	3236 lm	C 0 – 180	C 90 – 270
8 903 266 089	white				51°	121°
8 903 256 089	silver grey					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 903 245 089	black	4.1 kg	1 x LED module 36 W neutral white (4000 K)	3374 lm	C 0 – 180	C 90 – 270
8 903 265 089	white				51°	121°
8 903 255 089	silver grey					



Part number	Description
. . . 7	Protection class II luminaire
. 1..	Dimmable luminaire (DALI)

Illumination examples (according to DIN EN 13201-2)

	Lighting situation			
	S(P)2	S(P)3	S(P)4	S(P)5
LPH	6 m	6 m	6 m	6 m
D	30 m	35 m	37 m	41 m
D/H	5	5,8	6,2	6,8
Em	9,3 lx	8 lx	7,5 lx	6,8 lx
Emin	3,1 lx	1,5 lx	1,0 lx	0,6 lx
Emin/Em	0,33	0,19	0,13	0,1
TI*	11%	12%	13%	14%





* TI: Threshold Increment (unit for measuring glare).
 A low TI value indicates a low glare factor.

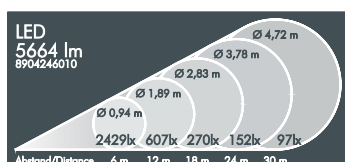
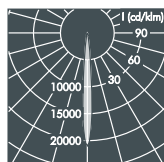
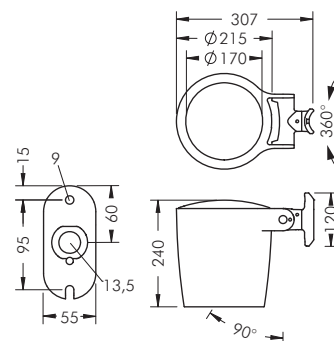
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



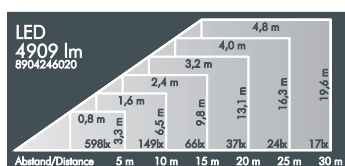
Monospot 4 pole luminaire

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 AW 0.051 m²
 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

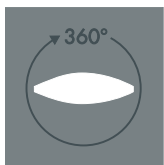
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 246 019	black	5.2 kg	1 x LED module 70 W warm white (3000 K)	5664 lm	9°
8 904 266 019	white				
8 904 256 019	silver grey				



Monospot 4 pole luminaire, linear beam spread, vertical

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 246 029	black	5.2 kg	1 x LED module 70 W warm white (3000 K)	4909 lm	C 0 - 180
8 904 266 029	white				C 90 - 270
8 904 256 029	silver grey				36°

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

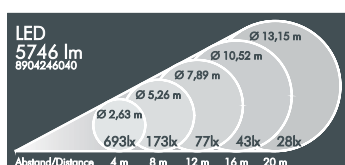
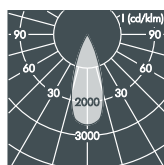


Monospot 4 pole luminaire, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 904 246 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	4517 lm	C 0 - 180
8 904 266 079	white			C 90 - 270
8 904 256 079	silver grey			36°

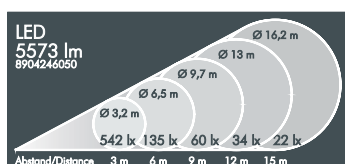
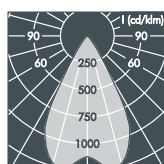
Monospot 4 pole luminaire, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 246 049	black	5.2 kg	1 x LED module 70 W warm white (3000 K)	5746 lm	36°
8 904 266 049	white				
8 904 256 049	silver grey				



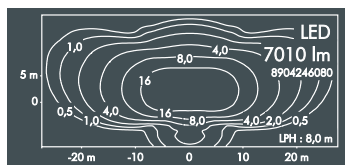
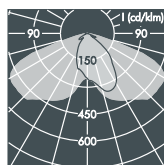
Monospot 4 pole luminaire, wide beam


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 246 059	black	5.2 kg	1 x LED module 70 W warm white (3000 K)	5573 lm	57°
8 904 266 059	white				
8 904 256 059	silver grey				



Monospot 4 pole luminaire, Street Optic

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 246 089	black	5.4 kg	1 x LED module 70 W warm white (3000 K)	7010 lm	C 0 - 180
8 904 266 089	white				C 90 - 270
8 904 256 089	silver grey				51°



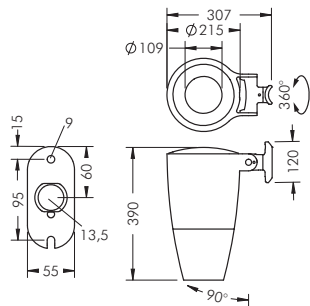
Part number	Description
. . . 8	Protection class II luminaire
. 5 . . .	Luminaire with neutral white colour temperature (4000 K)
. 1 . .	Dimmable luminaire (DALI)
Part number *	Description
. . . 4 . . 9 0 . .	Luminaire with LED module RGBW max. 49 W 
. . . 4 . . 2 1 . .	Luminaire with Tuneable White LED max. 37 W (2700 K - 6500 K)

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



* Not available for Monospot 4 pole luminaire, Street Optic

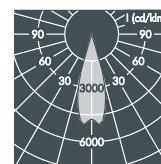
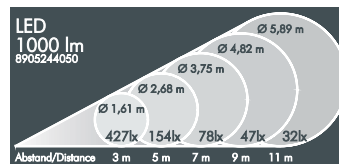


Monospot Gobo pole luminaire

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 m², 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, tilttable 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)

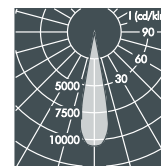
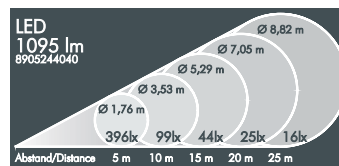
Monospot Gobo pole luminaire, 63 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 905 244 059	black	7.0 kg	1 x LED module 47 W cool white (6500 K)	1000 lm	30°
8 905 264 059	white				
8 905 254 059	silver grey				



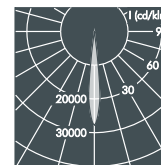
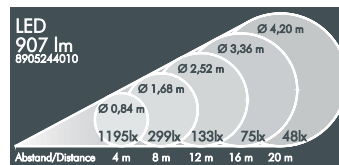
Monospot Gobo pole luminaire, 85 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 905 244 049	black	7.0 kg	1 x LED module 47 W cool white (6500 K)	1095 lm	20°
8 905 264 049	white				
8 905 254 049	silver grey				



Monospot Gobo pole luminaire, 150 mm focal length

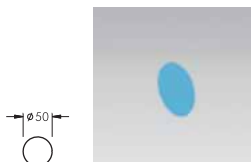
Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 905 244 019	black	7.0 kg	1 x LED module 47 W cool white (6500 K)	907 lm	12°
8 905 264 019	white				
8 905 254 019	silver grey				



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

LED (see page 247)





Accessories Monospot Gobo

Part number	Colour	Description
129 0 551 000	yellow	Dichroic colour filter
129 0 557 000	red	
129 0 553 000	blue	
129 0 558 000	green	

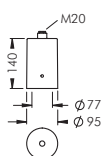
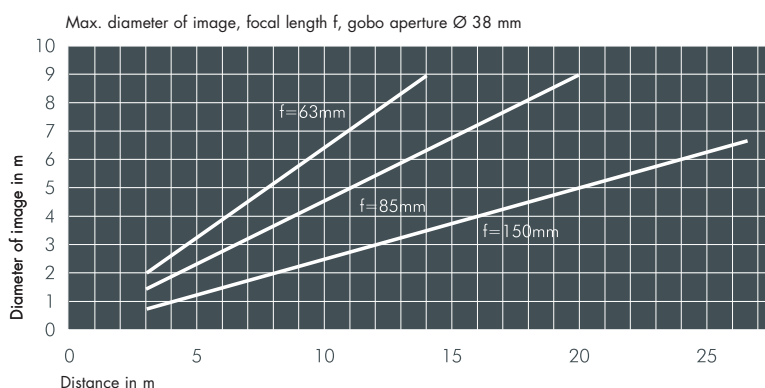


Part number	Description
129 0 780 000	Framer for sharp edges on 3- or 4-sided images



Part number	Example	Description
129 0 489 000	waves	Standard gobos Ø 50 mm
129 0 490 000	stars	
129 0 491 000	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)



Part number	Colour	Description
128 0 626 940	black	Pole Top Filter , aluminium, for 76 mm pole top, with M20 x 1.5 connection thread, for installation of one projector with mounting bracket
128 0 626 960	white	
128 0 626 950	silver grey	



Monospot 2

Part number	Description
129 0 728 940	Radial louvre , internal (factory fitted), to reduce lateral glare



Monospot 3

Part number	Description
129 0 729 940	Radial louvre , internal (factory fitted), to reduce lateral glare

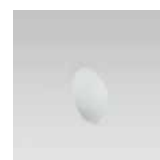


Monospot 4

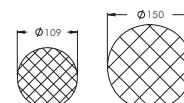
Part number	Description
129 0 730 940	Radial louvre , internal (factory fitted), to reduce lateral glare



			Beam angle γ (FWHM)	
Part number	Luminaire	Description	narrow beam	medium wide beam
129 0 732 000	Monospot 1	Prismatic glass ,	15°	41°
129 0 733 000	Monospot 2	for diffused light distribution	17°	38°



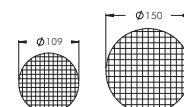
			Beam angle γ (FWHM)	
Part number	Luminaire	Description	narrow beam	medium wide beam
129 0 734 000	Monospot 3	Prismatic glass ,	18°	37°
129 0 735 000	Monospot 4	for diffused light distribution	19°	46°



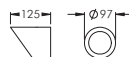
Part number	Luminaire	Description
129 0 751 000	Monospot 1	Honeycomb louvre , internal (factory fitted),
129 0 752 000	Monospot 2	to avoid glare



Part number	Luminaire	Description
129 0 753 000	Monospot 3	Honeycomb louvre , internal (factory fitted),
129 0 754 000	Monospot 4	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.



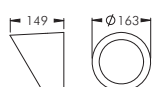
Monospot 1

Part number	Colour	Description
129 0 722 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 722 960	white	
129 0 722 950	silver grey	



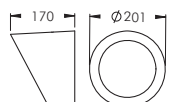
Monospot 2

Part number	Colour	Description
129 0 723 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 723 960	white	
129 0 723 950	silver grey	



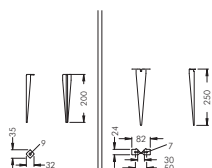
Monospot 3

Part number	Colour	Description
129 0 724 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 724 960	white	
129 0 724 950	silver grey	



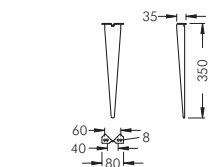
Monospot 4

Part number	Colour	Description
129 0 725 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 725 960	white	
129 0 725 950	silver grey	



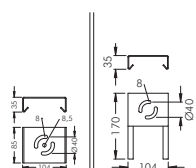
Monospot 1

Part number	Part number	Colour	Description
129 0 731 940	129 0 502 940	black	Stainless steel earth spike , for use in landscape lighting
129 0 731 960	129 0 502 960	white	
129 0 731 950	129 0 502 950	silver grey	



Monospot 3, 4

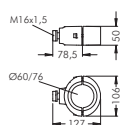
Part number	Colour	Description
129 0 736 940	black	Stainless steel earth spike , for use in landscape lighting
129 0 736 960	white	
129 0 736 950	silver grey	



Monospot 1, 2 **Monospot 3**

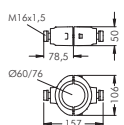
Part number	Part number	Description
120 0 620 940	120 0 622 940	Expandable tree strap with mounting plate , made of polyester fiber for trunk circumference 350 – 450 mm*, with polyester powder coated mounting plate

*different lengths available upon request



Monospot 2, 3, 4

Part number	Colour	Description
129 0 790 940	black	Single pole mount clamp , aluminium, for poles \varnothing 60 mm
129 0 790 960	white	
129 0 790 950	silver grey	



Part number	Colour	Description
129 0 792 940	black	Single pole mount clamp , aluminium, for poles \varnothing 76 mm
129 0 792 960	white	
129 0 792 950	silver grey	

Part number	Colour	Description
129 0 791 940	black	Double pole mount clamp , aluminium, for poles \varnothing 60 mm
129 0 791 960	white	
129 0 791 950	silver grey	

Part number	Colour	Description
129 0 793 940	black	Double pole mount clamp , aluminium, for poles \varnothing 76 mm
129 0 793 960	white	
129 0 793 950	silver grey	



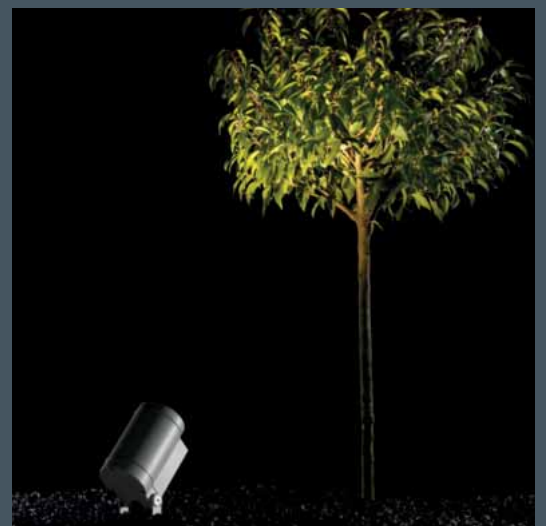


Design: Roy Fleetwood

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.



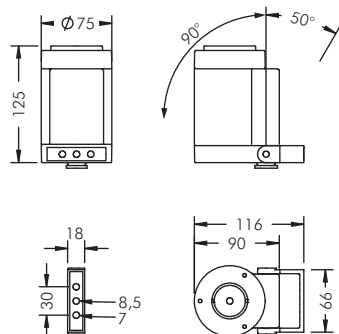
An earth spike is available when using these floodlights for landscape lighting.

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



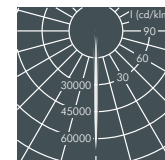
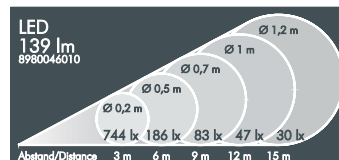


Ecospot Mini

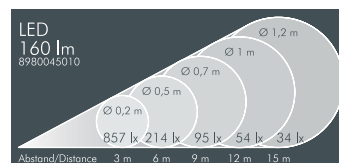
With high performance LED,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 IK08
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 all exterior steel parts are stainless steel,
 tempered high transmission safety glass,
 silicon gasket, mounting bracket powder coated
 aluminium with tilt scale:
 2 drilled holes Ø 7 mm, spacing 30 mm,
 1 centre hole Ø 8.5 mm, tilt range 140 °,
 M20 cable gland, integral driver (AC/DC)

Ecospot Mini, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 046 019	black	0.8 kg	1 x LED 3 W	139 lm	4°
8 980 066 019	white		warm white (3000 K)		
8 980 056 019	silver grey				

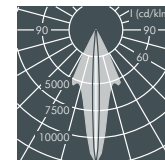
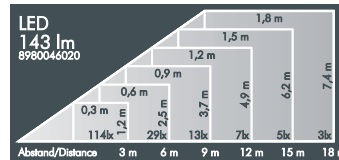


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 045 019	black	0.8 kg	1 x LED 3 W n	160 lm	4°
8 980 065 019	white		neutral white (4000 K)		
8 980 055 019	silver grey				

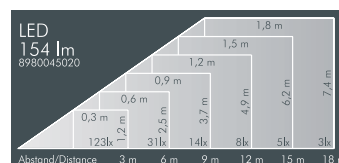


Ecospot Mini, linear beam spread, vertical

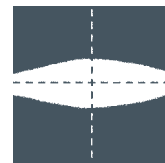
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 046 029	black	0.8 kg	1 x LED 3 W	143 lm	C 0 – 180 / C 90 – 270
8 980 066 029	white		warm white (3000 K)		24° / 6°
8 980 056 029	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 045 029	black	0.8 kg	1 x LED 3 W	154 lm	C 0 – 180 / C 90 – 270
8 980 065 029	white		neutral white (4000 K)		24° / 6°
8 980 055 029	silver grey				

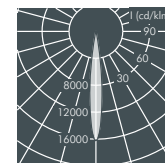
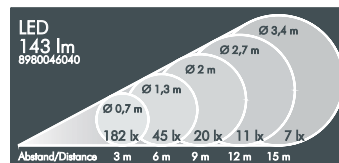


Part number	Description
.3.	Luminaire with linear beam spread, horizontal

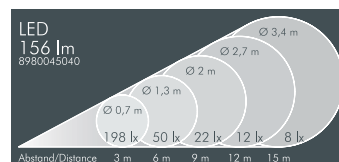


Ecospot Mini, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 046 049	black	0.8 kg	1 x LED 3 W	143 lm	13°
8 980 066 049	white		warm white (3000 K)		
8 980 056 049	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 045 049	black	0.8 kg	1 x LED 3 W	156 lm	13°
8 980 065 049	white		neutral white (4000 K)		
8 980 055 049	silver grey				



LED (see page 247)

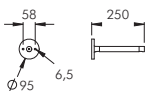
Luminaires available in 2700 K and other colour temperatures upon request



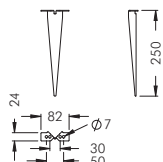


Accessories for Ecospot Mini

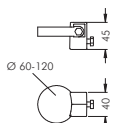
Part number	Colour	Description
129 0 498 940	black	Cowl , stainless steel,
129 0 498 960	white	to avoid lateral glare, for retro-fitting,
129 0 498 950	silver grey	only one accessory per luminaire, not in combination



Part number	Colour	Description
129 0 500 940	black	Wall arm 250 mm ,
129 0 500 960	white	aluminium, polyester powder coated
129 0 500 950	silver grey	



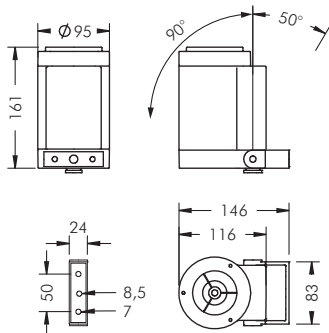
Part number	Colour	Description
129 0 502 940	black	Stainless steel earth spike ,
129 0 502 960	white	for use in landscape lighting
129 0 502 950	silver grey	



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



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 \varnothing 7 mm, spacing 50 mm,
 1 centre hole \varnothing 8.5 mm, tilt range 140°,
 M20 cable gland, integral driver
 integral driver (AC/DC)

Ecospot, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 981 046 019	black	1.4 kg	1 x LED module 19 W warm white (3000 K)	1211 lm	6°
8 981 066 019	white				
8 981 056 019	silver grey				

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 981 045 019	black	1.4 kg	1 x LED module 19 W neutral white (4000 K)	1275 lm	6°
8 981 065 019	white				
8 981 055 019	silver grey				

Ecospot, linear beam spread, vertical

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 981 046 029	black	1.4 kg	1 x LED module 19 W warm white (3000 K)	1211 lm	C 0 – 180	C 90 – 270
8 981 066 029	white				32°	9°
8 981 056 029	silver grey					

Part number*	Description
. 3.	Luminaire with linear beam spread, horizontal

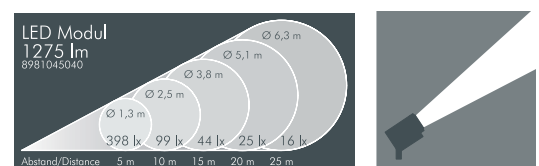
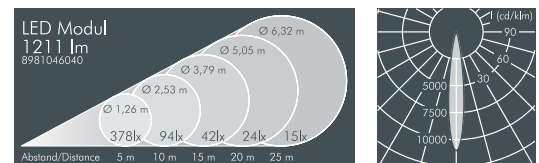
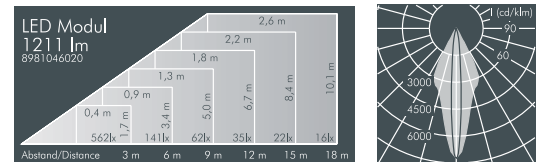
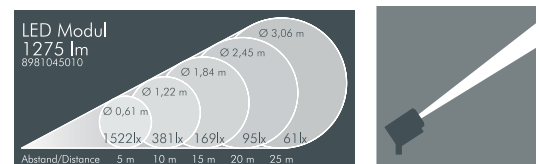
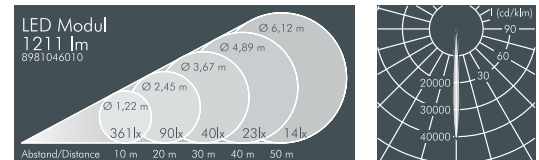
*The luminaires are available with neutral white LEDs (4000 K) upon request.

Ecospot, medium wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 981 046 049	black	1.4 kg	1 x LED module 19 W warm white (3000 K)	1211 lm	15°
8 981 066 049	white				
8 981 056 049	silver grey				

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 981 045 049	black	1.4 kg	1 x LED module 19 W neutral white (4000 K)	1275 lm	15°
8 981 065 049	white				
8 981 055 049	silver grey				

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



LED (see page 247)

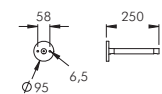
Luminaires available in 2700 K and other colour temperatures upon request



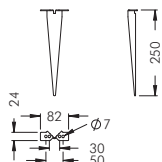


Accessories for Ecospot

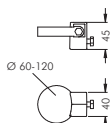
Part number	Colour	Description
129 0 499 940	black	Cowl , stainless steel,
129 0 499 960	white	to avoid lateral glare, for retro-fitting,
129 0 499 950	silver grey	only one accessory per luminaire, not in combination



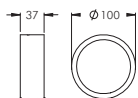
Part number	Colour	Description
129 0 500 940	black	Wall arm 250 mm ,
129 0 500 960	white	aluminium, polyester powder coated
129 0 500 950	silver grey	



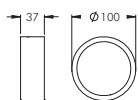
Part number	Colour	Description
129 0 502 940	black	Stainless steel earth spike ,
129 0 502 960	white	for use in landscape lighting
129 0 502 950	silver grey	



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



Part number	Colour	Description
129 0 602 940	black	Carrier frame with honeycomb louvre ,
129 0 602 960	white	with safety glass, to avoid glare,
129 0 602 950	silver grey	for retro-fitting, only one accessory per luminaire, not in combination



Part number	Colour	Description
129 0 602 941	black	Carrier frame , with safety glass,
129 0 602 961	white	for colour filters, lenses and plastic film,
129 0 602 951	silver grey	for retro-fitting, only one accessory per luminaire, not in combination



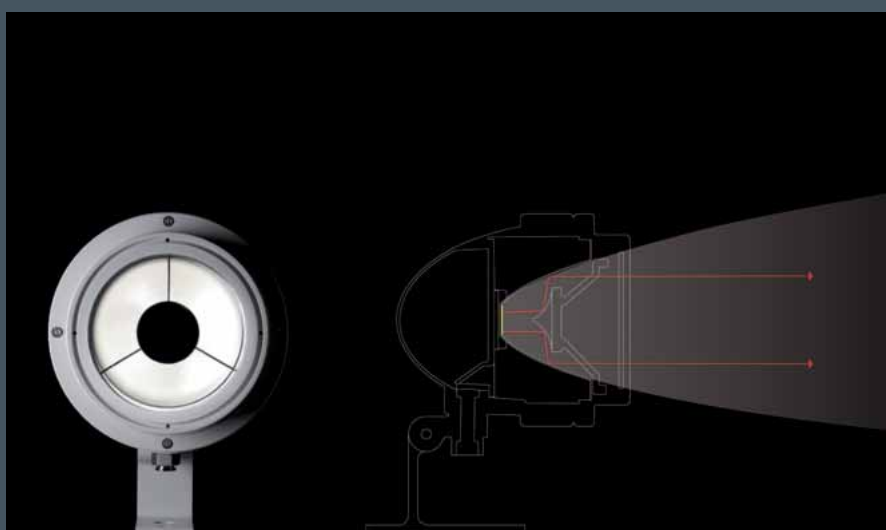
The honeycomb louvre provides optimal glare control and is protected against dirt by an additional glass.



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.



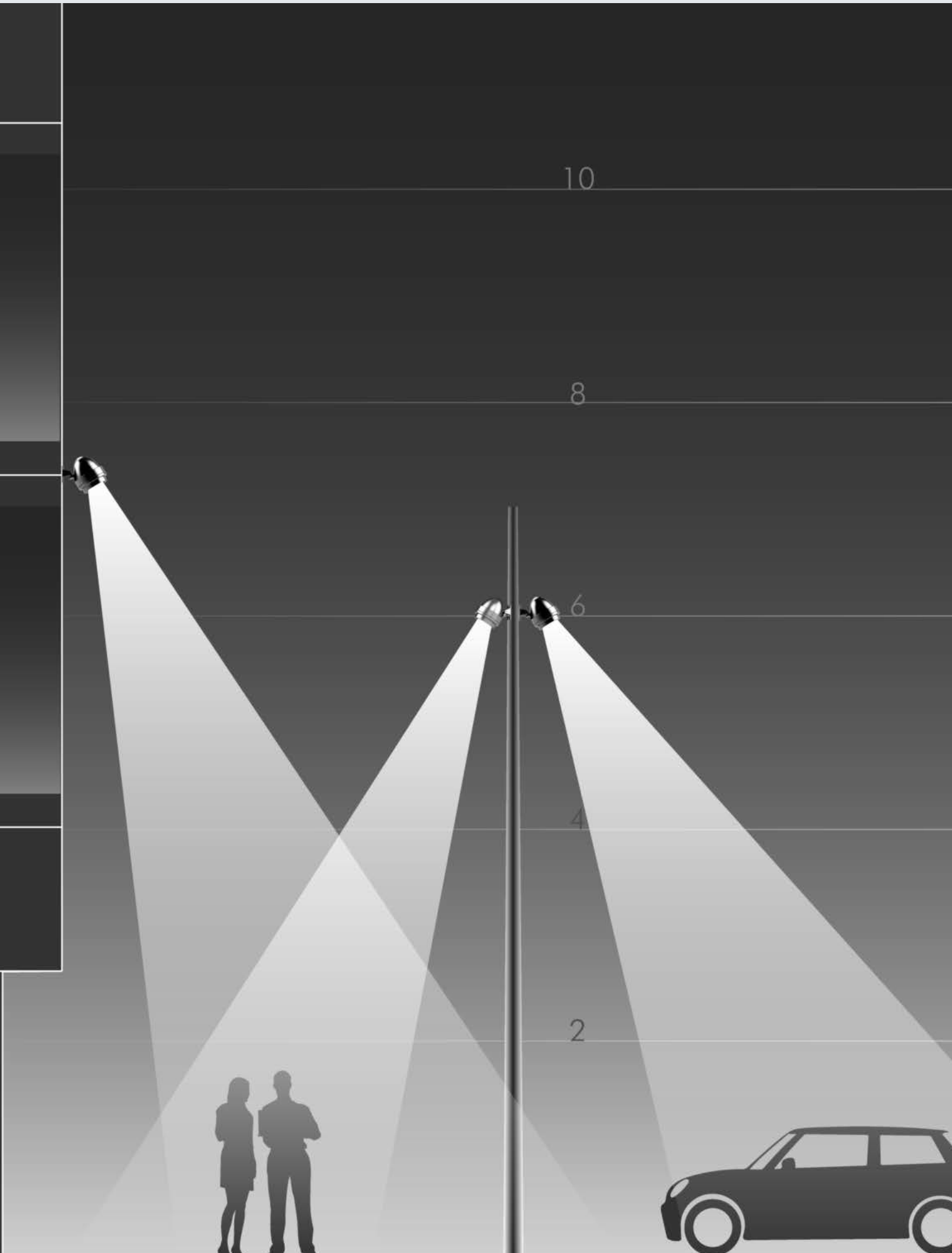
The light emitted by the LED module is directed via a primary and a secondary reflector, thus avoiding glare from direct light. The result is optimal visual comfort without sacrificing efficiency.

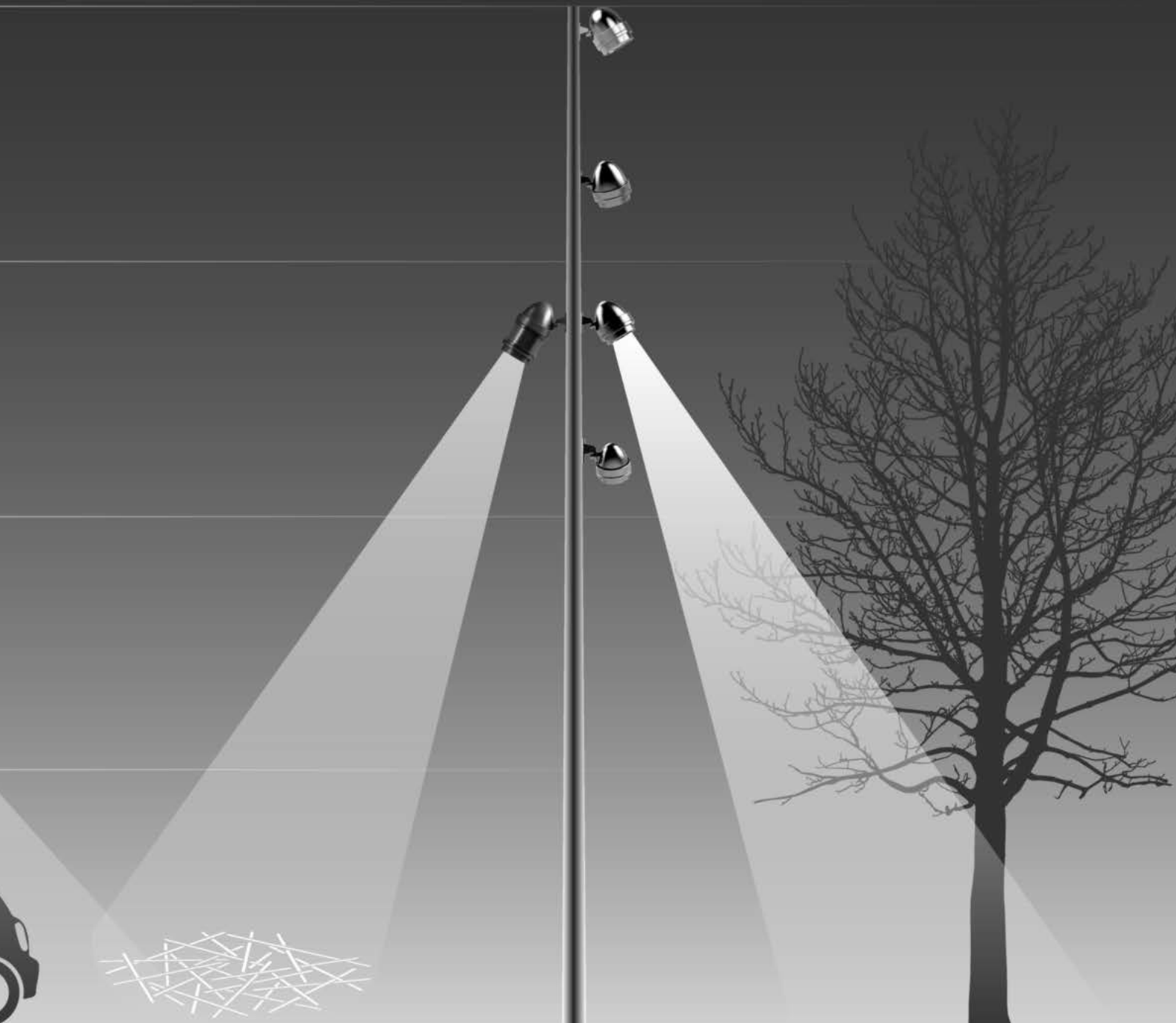


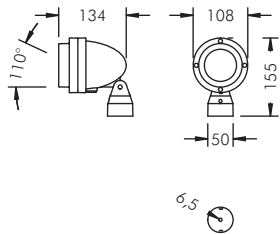
Montforthaus, Feldkirch/Austria
Lighting design: Belzner Holmes und Partner Licht-Design,
Stuttgart/Eschen, Liechtenstein

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.







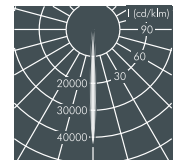
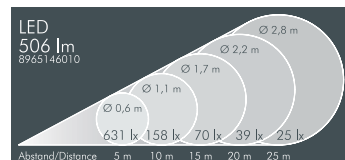


Nightspot A

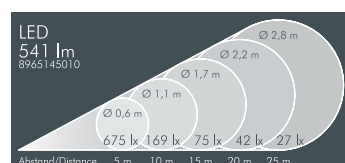
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 IK08
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 all exterior steel parts are stainless steel, tempered safety glass, silicon gasket,
 closure by 4 stainless steel screws, base can be rotated 360°,
 1 drilled hole \varnothing 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)
8 965 146 019	black	1.2 kg	4 x LED 1.5 W (6 W) warm white (3000 K)	506 lm	6°
8 965 166 019	white				
8 965 156 019	silver grey				

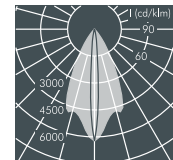
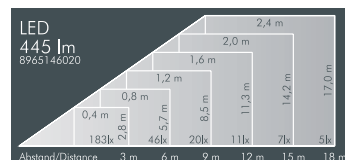


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 145 019	black	1.2 kg	4 x LED 1.5 W (6 W) neutral white (4000 K)	541 lm	6°
8 965 165 019	white				
8 965 155 019	silver grey				

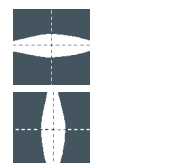
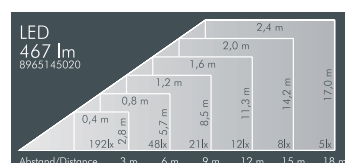


Nightspot A, linear beam spread, 90° adjustable

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 965 146 029	black	1.2 kg	4 x LED 1.5 W (6 W) warm white (3000 K)	445 lm	C 0 - 180	C 90 - 270
8 965 166 029	white				51°	8°
8 965 156 029	silver grey					

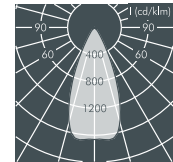
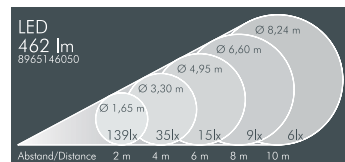


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 965 145 029	black	1.2 kg	4 x LED 1.5 W (6 W) neutral white (4000 K)	467 lm	C 0 - 180	C 90 - 270
8 965 165 029	white				51°	8°
8 965 155 029	silver grey					

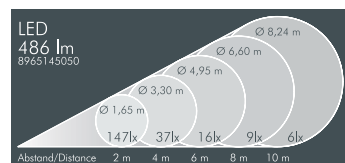


Nightspot A, wide beam*

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 146 059	black	1.2 kg	4 x LED 1.5 W (6 W) warm white (3000 K)	462 lm	45°
8 965 166 059	white				
8 965 156 059	silver grey				



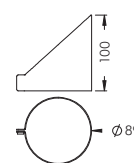
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 145 059	black	1.2 kg	4 x LED 1.5 W (6 W) neutral white (4000 K)	486 lm	45°
8 965 165 059	white				
8 965 155 059	silver grey				



*These luminaires are also available with medium wide beam optics upon request.

Accessories Nightspot A

Part number	Colour	Description
129 0 399 940	black	Cowl , stainless steel,
129 0 399 960	white	to avoid lateral glare,
129 0 399 950	silver grey	for retro-fitting, only one accessory per luminaire, not in combination



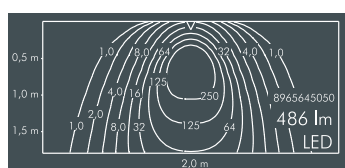
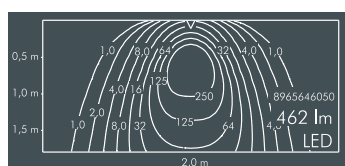
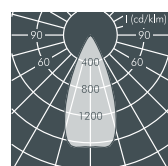
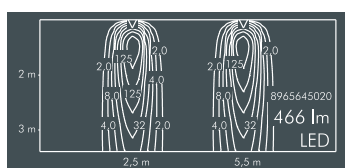
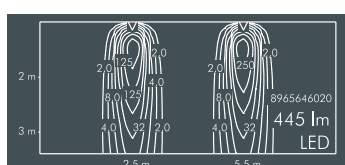
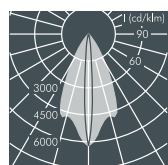
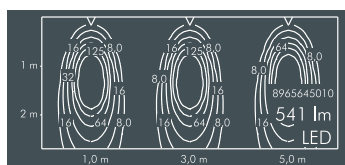
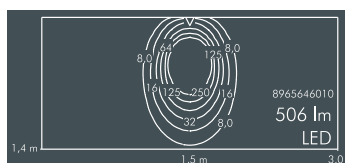
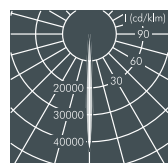
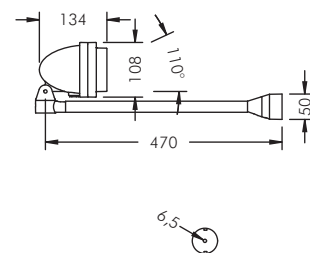
LED (see page 247)

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 \blacklozenge \blacktriangle \blacktriangle , 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 \varnothing 6.5 mm,
 knuckle joint with 110° tilt range,
 with 0.8 m cable HO5RN-F3G1,
 integral driver (AC/DC)



Nightspot A with wall arm, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 646 019	black	1.5 kg	4 x LED 1.5 W	506 lm	6°
8 965 666 019	white		(6 W)		
8 965 656 019	silver grey		warm white (3000 K)		

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 645 019	black	1.5 kg	4 x LED 1.5 W	541 lm	6°
8 965 665 019	white		(6 W)		
8 965 655 019	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)	
					C 0 – 180	C 90 – 270
8 965 646 029	black	1.5 kg	4 x LED 1.5 W	445 lm	51°	8°
8 965 666 029	white		(6 W)			
8 965 656 029	silver grey		warm white (3000 K)			

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 965 645 029	black	1.5 kg	4 x LED 1.5 W	466 lm	51°	8°
8 965 665 029	white		(6 W)			
8 965 655 029	silver grey		neutral white (4000 K)			

Nightspot A with wall arm, wide beam*

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 646 059	black	1.5 kg	4 x LED 1.5 W	462 lm	45°
8 965 666 059	white		(6 W)		
8 965 656 059	silver grey		warm white (3000 K)		

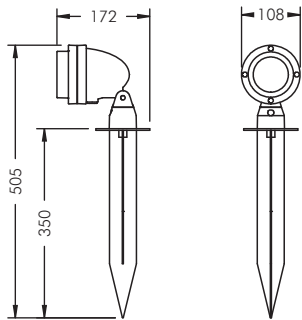
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 645 059	black	1.5 kg	4 x LED 1.5 W	486 lm	45°
8 965 665 059	white		(6 W)		
8 965 655 059	silver grey		neutral white (4000 K)		

*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



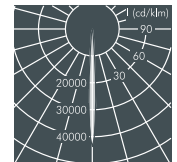
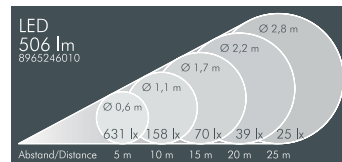


Nightspot A with earth spike

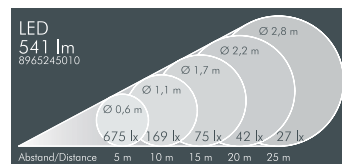
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 (cable IP44)
 IK08 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure by 4 stainless steel screws, base can be rotated 360°, 1 drilled hole \varnothing 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)

Nightspot A, with earth spike, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 246 019	black	1.2 kg	4 x LED 1.5 W	506 lm	6°
8 965 266 019	white		(6 W)		
8 965 256 019	silver grey		warm white (3000 K)		

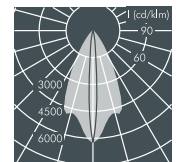
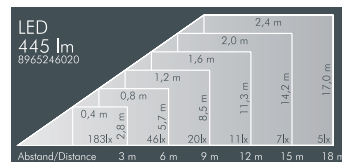


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 245 019	black	1.2 kg	4 x LED 1.5 W	541 lm	6°
8 965 265 019	white		(6 W)		
8 965 255 019	silver grey		neutral white (4000 K)		

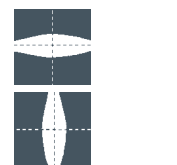
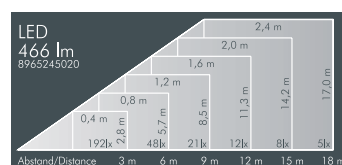


Nightspot A, with earth spike, linear beam spread, 90° adjustable

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 965 246 029	black	1.2 kg	4 x LED 1.5 W	445 lm	51°	8°
8 965 266 029	white		(6 W)			
8 965 256 029	silver grey		warm white (3000 K)			

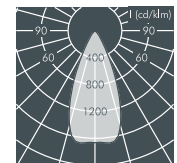
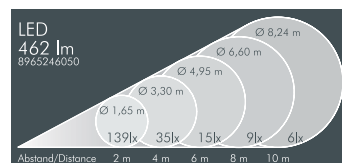


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 965 245 029	black	1.2 kg	4 x LED 1.5 W	466 lm	51°	8°
8 965 265 029	white		(6 W)			
8 965 255 029	silver grey		neutral white (4000 K)			

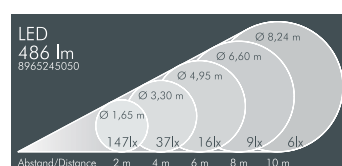


Nightspot A, with earth spike, wide beam*

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 246 059	black	1.2 kg	4 x LED 1.5 W	462 lm	45°
8 965 266 059	white		(6 W)		
8 965 256 059	silver grey		warm white (3000 K)		



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 245 059	black	1.2 kg	4 x LED 1.5 W	486 lm	45°
8 965 265 059	white		(6 W)		
8 965 255 059	silver grey		neutral white (4000 K)		




*These luminaires are also available with medium wide beam optics upon request.

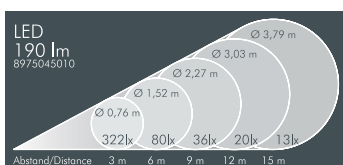
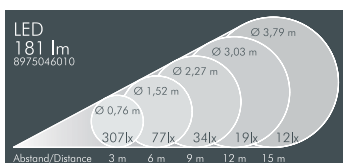
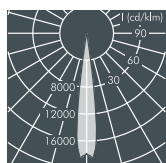
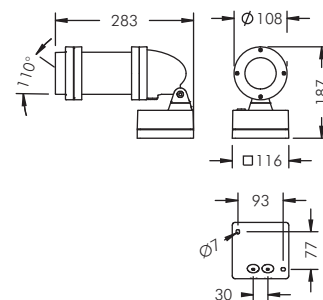
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



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



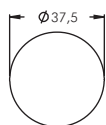
Nightspot A Gobo, 85 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 975 046 019	black	2.3 kg	1 x LED module 19 W warm white (3000 K)	181 lm	14°
8 975 066 019	white				
8 975 056 019	silver grey				

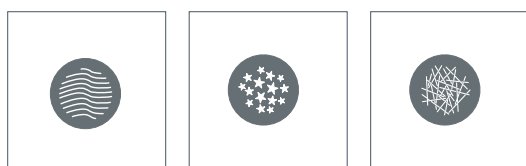
Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 975 045 019	black	2.3 kg	1 x LED module 19 W neutral white (4000 K)	190 lm	14°
8 975 065 019	white				
8 975 055 019	silver grey				

Accessories Nightspot A Gobo Projector, 85 mm focal length

Part number	Colour	Description
129 0 451 000	yellow	Dichroic colour filter, internally fitted
129 0 453 000	blue	
129 0 457 000	red	
129 0 458 000	green	



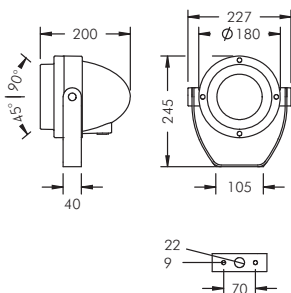
Part number	Example	Description
129 0 459 000	waves	Standard gobos Ø 37.5 mm
129 0 460 000	stars	
129 0 461 000	hatch	



LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



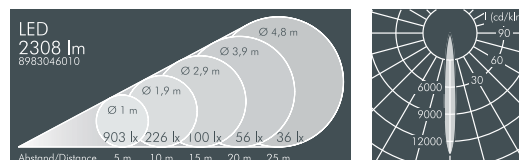


Nightspot A2 with mounting bracket

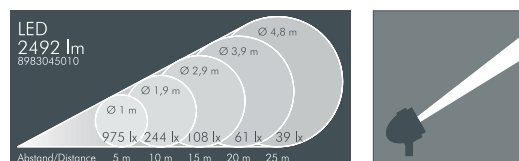
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I or II, IP67 IK08
 windage area AW 0.035 m²
 corrosion-resistant cast aluminium housing AlSi12, polyester powder coated,
 rotationally 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)
8 983 046 019	black	2.7 kg	1 x LED module 28 W	2308 lm	11°
8 983 066 019	white		warm white (3000 K)		
8 983 056 019	silver grey				

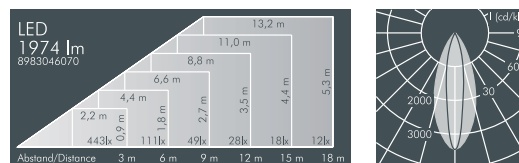


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 045 019	black	2.7 kg	1 x LED module 28 W	2492 lm	11°
8 983 065 019	white		neutral white (4000 K)		
8 983 055 019	silver grey				



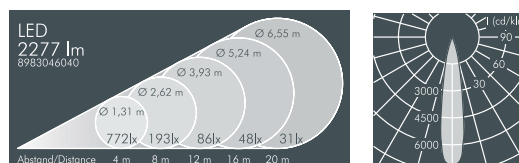
Nightspot A2 LED with mounting bracket, narrow beam (with secondary reflector)

Part number*	Colour	Description	Luminous flux	Beam angle γ (FWHM)	
8 983 046 079	black	Luminaire with ribbed glass	1974 lm	C 0 – 180	C 90 – 270
8 983 066 079	white	spreader lense , internally fitted,		17°	40°
8 983 056 079	silver grey	for linear beam distribution,			
		continuously adjustable through 360°	Weight 2.9 kg		

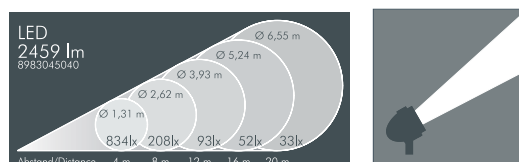


Nightspot A2 with mounting bracket, medium wide beam (with secondary reflector)

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 046 049	black	2.7 kg	1 x LED module 28 W	2277 lm	19°
8 983 066 049	white		warm white (3000 K)		
8 983 056 049	silver grey				

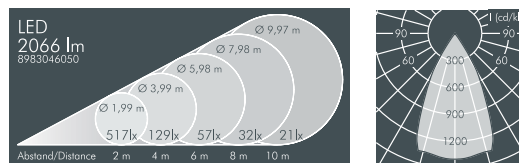


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 045 049	black	2.7 kg	1 x LED module 28 W	2459 lm	19°
8 983 065 049	white		neutral white (4000 K)		
8 983 055 049	silver grey				



Nightspot A2 with mounting bracket, wide beam (secondary reflector available as accessory)

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 046 059	black	2.7 kg	1 x LED module 28 W	2066 lm	53°
8 983 066 059	white		warm white (3000 K)		
8 983 056 059	silver grey				



*These luminaires are also available with neutral white LED (4000 K) upon request.


Part number	Protection class I luminaire
..... 1..	Dimmable version (DALI)
..... 2..	Dimmable version (1-10 V)
Part number	Protection class II luminaire
..... 5..	Luminaire not dimmable
..... 6..	Dimmable version (DALI)
..... 7..	Dimmable version (1-10 V)

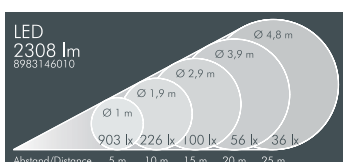
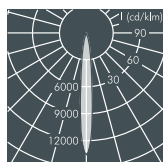
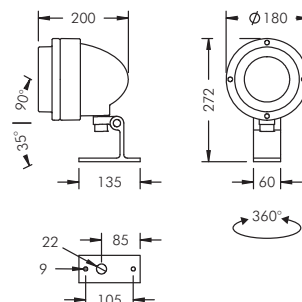
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



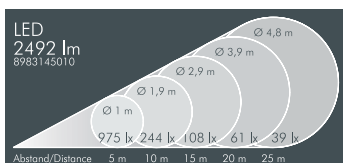
Nightspot A2 with mounting base

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 m²
 corrosion-resistant cast aluminium housing AlSi 12,
 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)

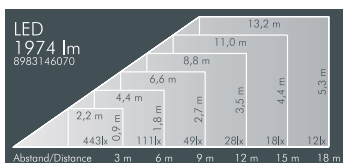
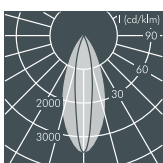


Nightspot A2 with mounting base, narrow beam (with secondary reflector)

Part number	Colour	Weight	Light source	Luminous flux	Half beam angle γ
8 983 146 019	black	2.5 kg	1 x LED module 28 W warm white (3000 K)	2308 lm	11°
8 983 166 019	white				
8 983 156 019	silver grey				

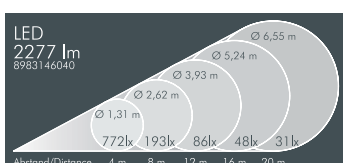
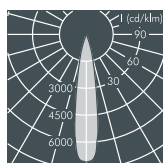


Part number	Colour	Weight	Light source	Luminous flux	Half beam angle γ
8 983 145 019	black	2.5 kg	1 x LED module 28 W neutral white (4000 K)	2492 lm	11°
8 983 165 019	white				
8 983 155 019	silver grey				



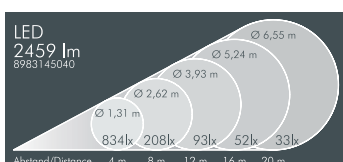
Nightspot A2 with mounting base, narrow beam (with secondary reflector)

Part number*	Colour	Description	Luminous flux	Half beam angle γ
8 983 146 079	black	Luminaire with ribbed glass spreader lens , internally fitted, for linear beam distribution, continuously adjustable through 360°	1974 lm	C 0 – 180
8 983 166 079	white			C 90 – 270
8 983 156 079	silver grey			17°
Weight 2.7 kg				40°

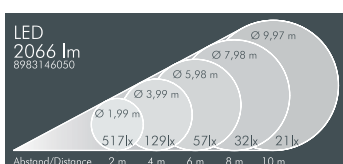
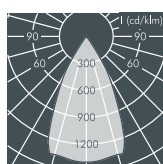


Nightspot A2 with mounting base, medium wide beam (with secondary reflector)

Part number	Colour	Weight	Light source	Luminous flux	Half beam angle γ
8 983 146 049	black	2.5 kg	1 x LED module 28 W warm white (3000 K)	2277 lm	19°
8 983 166 049	white				
8 983 156 049	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Half beam angle γ
8 983 145 049	black	2.5 kg	1 x LED module 28 W neutral white (4000 K)	2459 lm	19°
8 983 165 049	white				
8 983 155 049	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
8 983 146 059	black	2.5 kg	1 x LED module 28 W warm white (3000 K)	2066 lm	53°
8 983 166 059	white				
8 983 156 059	silver grey				

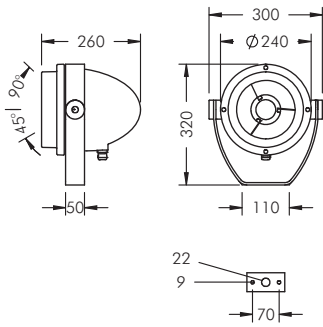
Part number	Protection class I luminaire
..... 1 ..	Dimmable version (DALI)
..... 2 ..	Dimmable version (1-10 V)
Part number	Protection class II luminaire
..... 5 ..	Luminaire not dimmable
..... 6 ..	Dimmable version (DALI)
..... 7 ..	Dimmable version (1-10 V)

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request

*These luminaires are also available with neutral white LED (4000 K) upon request.



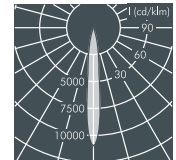
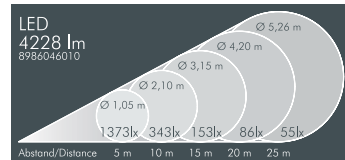


Nightspot B with mounting bracket

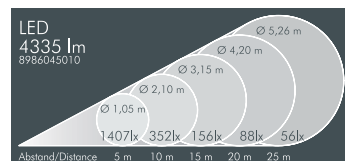
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I or II, IP67 , IK08
 windage area AW 0.05 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, rotationally 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)
8 986 046 019	black	5.0 kg	1 x LED module 54 W warm white (3000 K)	4228 lm	12°
8 986 066 019	white				
8 986 056 019	silver grey				

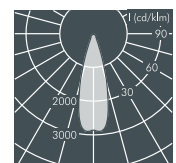
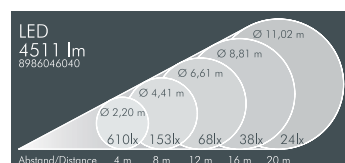


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 045 019	black	5.0 kg	1 x LED module 54 W neutral white (4000 K)	4335 lm	12°
8 986 065 019	white				
8 986 055 019	silver grey				

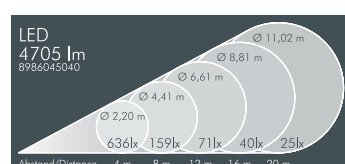


Nightspot B with mounting bracket, medium wide beam (with secondary reflector)

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 046 049	black	5.0 kg	1 x LED module 54 W warm white (3000 K)	4511 lm	31°
8 986 066 049	white				
8 986 056 049	silver grey				

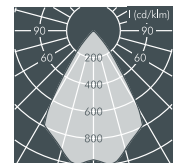
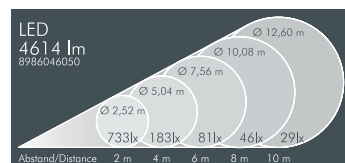


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 045 049	black	5.0 kg	1 x LED module 54 W neutral white (4000 K)	4705 lm	31°
8 986 065 049	white				
8 986 055 049	silver grey				

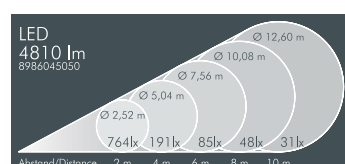


Nightspot B with mounting bracket, wide beam (secondary reflector available as accessory)

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 046 059	black	5.0 kg	1 x LED module 54 W warm white (3000 K)	4614 lm	64°
8 986 066 059	white				
8 986 056 059	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 045 059	black	5.0 kg	1 x LED module 54 W neutral white (4000 K)	4810 lm	64°
8 986 065 059	white				
8 986 055 059	silver grey				



Part number	Protection class I luminaire
• • • • • 1..	Dimmable version (DALI)
• • • • • 2..	Dimmable version (1-10 V)
	Protection class II luminaire
• • • • • 5..	Luminaire not dimmable
• • • • • 6..	Dimmable version (DALI)
• • • • • 7..	Dimmable version (1-10 V)

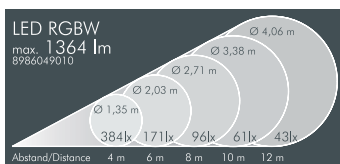
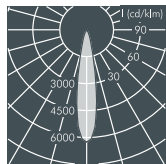
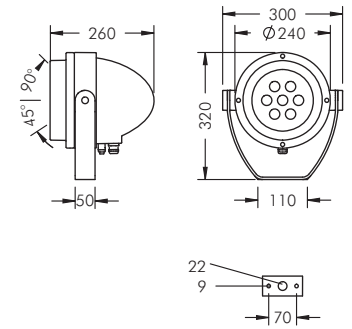
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



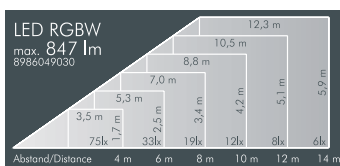
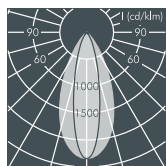
Nightspot B RGBW with mounting bracket

With high performance LED modules RGBW, external DMX-controller required, integral temperature monitoring device protection class I, IP67, IK08 windage area AW 0.05 m² 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)



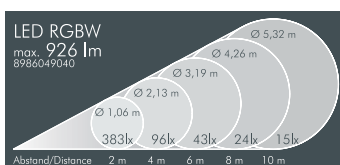
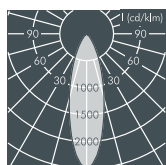
Nightspot B RGBW with mounting bracket, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 049 019	black	7 x LED module RGBW 1.5 W	max.	19°
8 986 069 019	white	W = 4000 K	1364 lm	
8 986 059 019	silver grey	(max. 42 W)		
Weight 6.1 kg				



Nightspot B RGBW with mounting bracket, elliptical beam spread

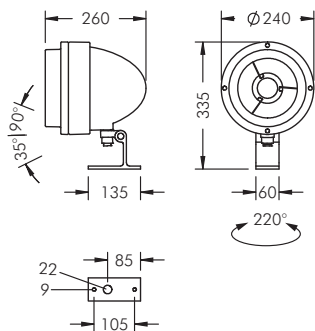
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 049 039	black	7 x LED module RGBW 1.5 W	max.	C 0 - 180
8 986 069 039	white	W = 4000 K	847 lm	C 90 - 270
8 986 059 039	silver grey	(max. 42 W)		24°
Weight 6.1 kg				



Nightspot B RGBW with mounting bracket, medium wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 049 049	black	7 x LED module RGBW 1.5 W	max.	30°
8 986 069 049	white	W = 4000 K	926 lm	
8 986 059 049	silver grey	(max. 42 W)		
Weight 6.1 kg				



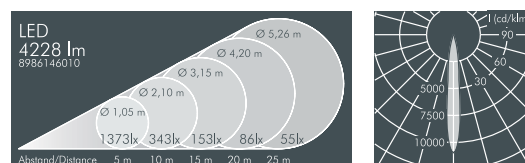


Nightspot B with mounting base

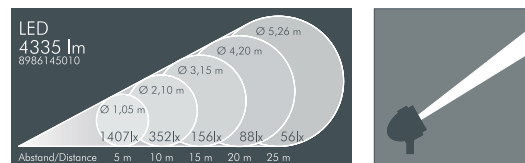
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, Colour tolerance: 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I or II, IP67 , IK08
 windage area AW 0.05 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 rotationally 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)
8 986 146 019	black	5.5 kg	1 x LED module 54 W	4228 lm	12°
8 986 166 019	white		warm white (3000 K)		
8 986 156 019	silver grey				

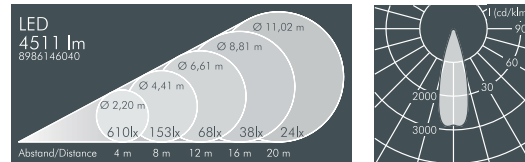


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 145 019	black	5.5 kg	1 x LED module 54 W	4335 lm	12°
8 986 165 019	white		neutral white (4000 K)		
8 986 155 019	silver grey				

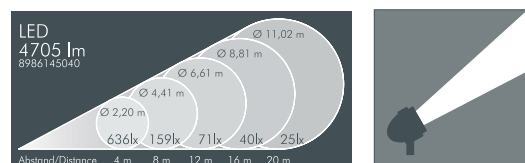


Nightspot B with mounting base, medium wide beam (with secondary reflector)

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 146 049	black	5.5 kg	1 x LED module 54 W	4511 lm	31°
8 986 166 049	white		warm white (3000 K)		
8 986 156 049	silver grey				

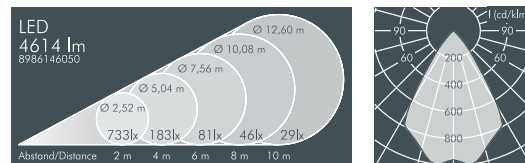


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 145 049	black	5.5 kg	1 x LED module 54 W	4705 lm	31°
8 986 165 049	white		neutral white (4000 K)		
8 986 155 049	silver grey				

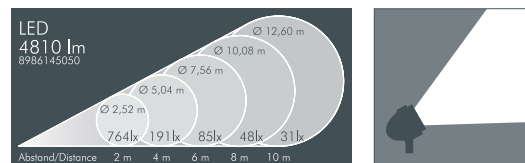


Nightspot B with mounting base, wide beam (secondary reflector available as accessory)

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 146 059	black	5.5 kg	1 x LED module 54 W	4614 lm	64°
8 986 166 059	white		warm white (3000 K)		
8 986 156 059	silver grey				



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 145 059	black	5.5 kg	1 x LED module 54 W	4810 lm	64°
8 986 165 059	white		neutral white (4000 K)		
8 986 155 059	silver grey				




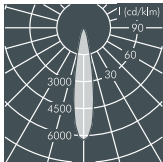
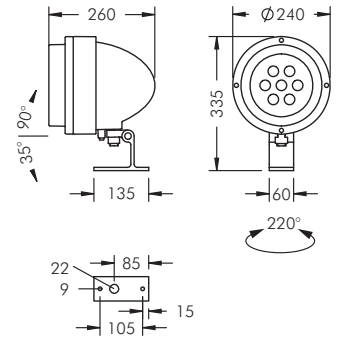
Part number	Protection class I luminaire
• • • • • 1..	Dimmable version (DALI)
• • • • • 2..	Dimmable version (1-10 V)
Part number	Protection class II luminaire
• • • • • 5..	Luminaire not dimmable
• • • • • 6..	Dimmable version (DALI)
• • • • • 7..	Dimmable version (1-10 V)

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



Nightspot B RGBW with mounting base

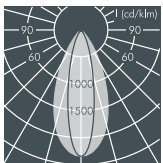
With high performance LED modules RGBW, external DMX-controller required, integral temperature monitoring device protection class I, IP67      IK08 windage area AW 0.05 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered 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)



LED RGBW	
max. 1364 lm	89860149010
Abstand/Distance	4 m 6 m 8 m 10 m 12 m

Nightspot B RGBW with mounting base, narrow beam

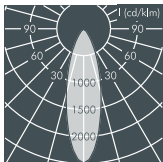
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 149 019	black	7 x LED module RGBW 1.5 W	max. 1364 lm	19°
8 986 169 019	white	W = 4000 K		
8 986 159 019	silver grey	(max. 42 W)		
Weight 5.9 kg				



LED RGBW	
max. 847 lm	8986149030
Abstand/Distance	4 m 6 m 8 m 10 m 12 m 14 m

Nightspot B RGBW with mounting base, elliptical beam spread

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 986 149 039	black	7 x LED module RGBW 1.5 W	max. 847 lm	C 0 - 180	C 90 - 270
8 986 169 039	white	W = 4000 K		24°	47°
8 986 159 039	silver grey	(max. 42 W)			
Weight 5.9 kg					

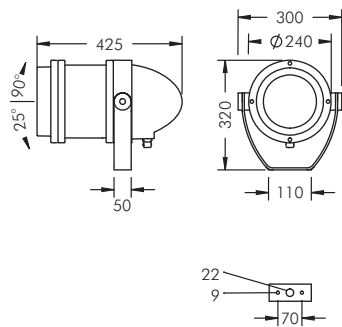


LED RGBW	
max. 926 lm	8986149040
Abstand/Distance	2 m 4 m 6 m 8 m 10 m

Nightspot B RGBW with mounting base, medium wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 149 049	black	7 x LED module RGBW 1.5 W	max. 926 lm	30°
8 986 169 049	white	W = 4000 K		
8 986 159 049	silver grey	(max. 42 W)		
Weight 5.9 kg				





Nightspot B Gobo/RGBW Gobo

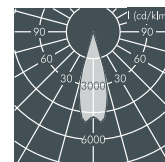
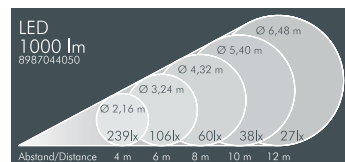
Monochrome: With high performance LED module, CRI: > 70, Colour tolerance: max. 4 SDCM Service life: L70/B20 > 50 000 h protection class I or II, IP67 , IK08 integral driver (AC/DC)

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 m², 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

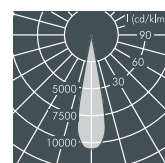
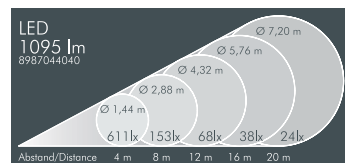
Nightspot B Gobo Projector, 63 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 987 044 059	black	8.0 kg	1 x LED module 47 W cool white (6500 K)	1000 lm	30°
8 987 064 059	white				
8 987 054 059	silver grey				



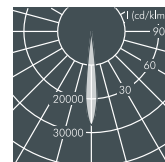
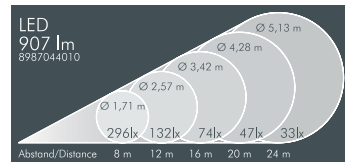
Nightspot B Gobo Projector, 85 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 987 044 049	black	8.0 kg	1 x LED module 47 W cool white (6500 K)	1095 lm	20°
8 987 064 049	white				
8 987 054 049	silver grey				



Nightspot B Gobo Projector, 150 mm focal length

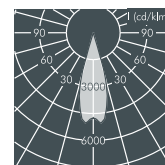
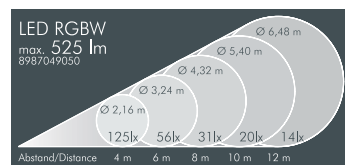
Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 987 044 019	black	8.1 kg	1 x LED module 47 W cool white (6500 K)	907 lm	12°
8 987 064 019	white				
8 987 054 019	silver grey				



Part number	Protection class I luminaire
..... 1..	Dimmable version (DALI)
..... 2..	Dimmable version (1-10 V)
	Protection class II luminaire
..... 5..	Luminaire not dimmable
..... 6..	Dimmable version (DALI)
..... 7..	Dimmable version (1-10 V)

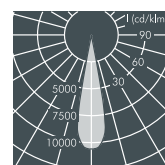
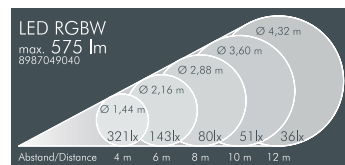
Nightspot B RGBW Gobo Projector, 63 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 987 049 059	black	1 x LED module RGBW W = 6000 K (max. 38 W)	max. 525 lm	30°
8 987 069 059	white			
8 987 059 059	silver grey			
Weight 8.0 kg				



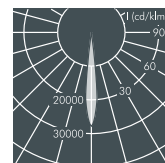
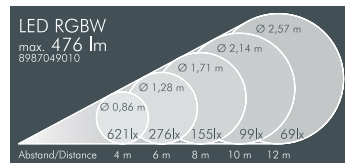
Nightspot B RGBW Gobo Projector, 85 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 987 049 049	black	1 x LED module RGBW W = 6000 K (max. 38 W)	max. 575 lm	20°
8 987 069 049	white			
8 987 059 049	silver grey			
Weight 8.0 kg				



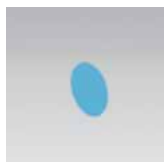
Nightspot B RGBW Gobo Projector, 150 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 987 049 019	black	1 x LED module RGBW W = 6000 K (max. 38 W)	max. 476 lm	12°
8 987 069 019	white			
8 987 059 019	silver grey			
Weight 8.1 kg				



LED (see page 247)





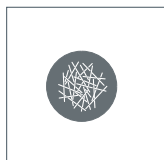
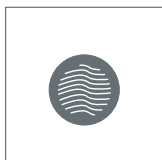
Accessories Nightspot B Gobo 63/85/150 mm focal length

Part number	Colour	Description
129 0 551 000	yellow	Dichroic colour filter
129 0 557 000	red	
129 0 553 000	blue	
129 0 558 000	green	



Accessories Nightspot B Gobo/RGBW Gobo

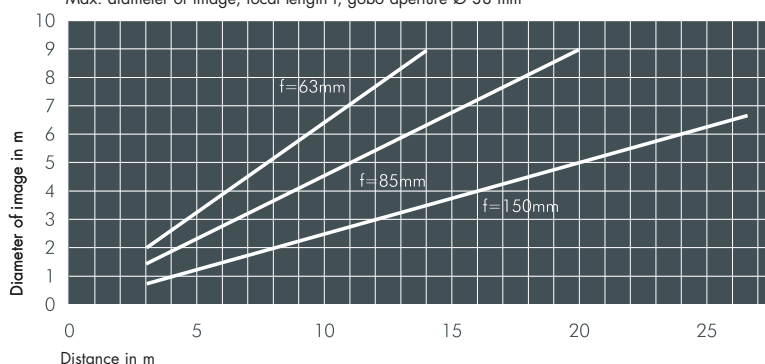
Part number	Description
129 0 257 000	Framer for sharp edges on 3 or 4-sided images



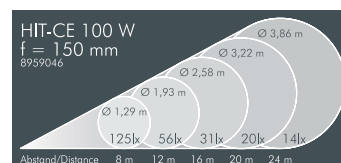
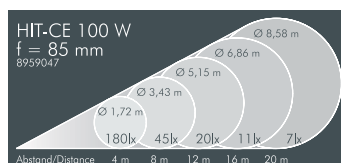
Part number	Example	Description
129 0 489 000	waves	Standard gobos Ø 50 mm
129 0 490 000	stars	
129 0 491 000	hash	

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

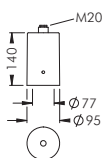


Lux level comparison HIT-CE 100 W / LED 47 W



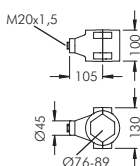
focal length 85 mm, distance 12 m:
HIT-CE 100 W:
20 lux average level
LED 47 W:
68 lux average level

focal length 150 mm, distance 16 m:
HIT-CE 100 W:
31 lux average level
LED 47 W:
74 lux average level

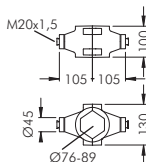


Accessories Nightspot B Gobo/RGBW Gobo

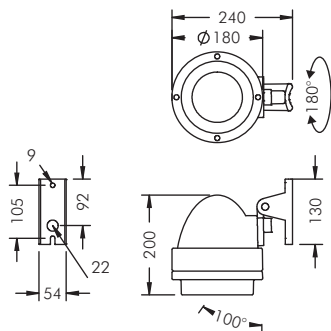
Part number	Colour	Description
128 0 626 940	black	Pole Top Fitter , aluminium, for 76 mm pole top, with M20 x 1.5 connection thread, for installation of one luminaire
128 0 626 960	white	
128 0 626 950	silver grey	



Part number	Colour	Description
119 0 035 940	black	Single pole mount adapter , aluminium, for poles Ø 76 – 89 mm
119 0 035 960	white	
119 0 035 950	silver grey	



Part number	Colour	Description
119 0 036 940	black	Double pole mount adapter , aluminium, for poles Ø 76 – 89 mm
119 0 036 960	white	
119 0 036 950	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 m² 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)
8 983 246 019	black	2.5 kg	1 x LED module 28 W warm white (3000 K)	2308 lm	11°
8 983 266 019	white				
8 983 256 019	silver grey				

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 245 019	black	2.5 kg	1 x LED module 28 W neutral white (4000 K)	2492 lm	11°
8 983 265 019	white				
8 983 255 019	silver grey				

Nightspot A2 pole luminaire, narrow beam (with secondary reflector)

Part number*	Colour	Description	Luminous flux	Beam angle γ (FWHM)	
8 983 246 079	black	Luminaire with ribbed glass spreader lense , internally fitted, for linear beam distribution, continuously adjustable through 360°	1974 lm	C 0 - 180	C 90 - 270
8 983 266 079	white			17°	40°
8 983 256 079	silver grey				

Nightspot A2 pole luminaire, medium wide beam (with secondary reflector)

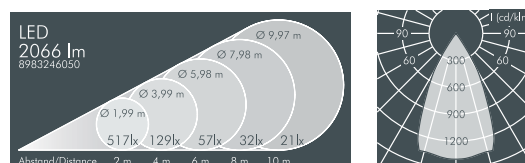
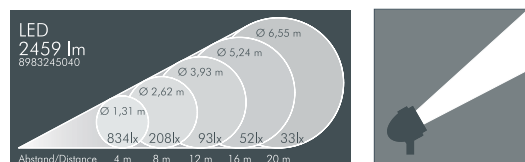
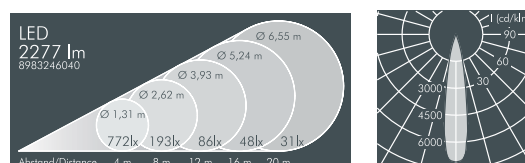
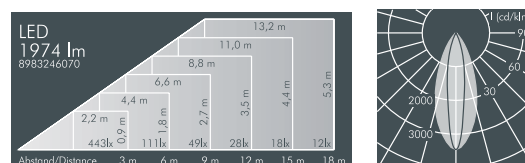
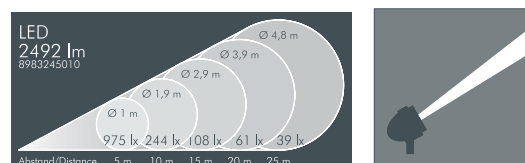
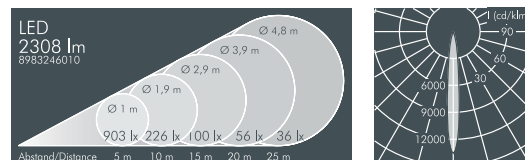
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 246 049	black	2.5 kg	1 x LED module 28 W warm white (3000 K)	2277 lm	19°
8 983 266 049	white				
8 983 256 049	silver grey				

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 245 049	black	2.5 kg	1 x LED module 28 W neutral white (4000 K)	2459 lm	19°
8 983 265 049	white				
8 983 255 049	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)
8 983 246 059	black	2.5 kg	1 x LED module 28 W warm white (3000 K)	2066 lm	53°
8 983 266 059	white				
8 983 256 059	silver grey				

Part number	Protection class I luminaire
..... 1..	Dimmable version (DALI)
..... 2..	Dimmable version (1-10 V)
Part number	Protection class II luminaire
..... 5..	Luminaire not dimmable
..... 6..	Dimmable version (DALI)
..... 7..	Dimmable version (1-10 V)



*These luminaires are also available with neutral white LED (4000 K) upon request.

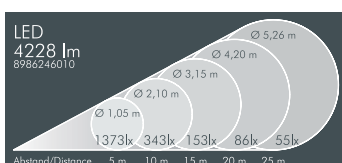
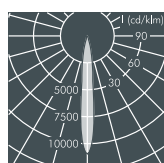
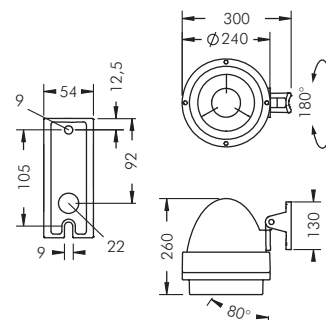
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



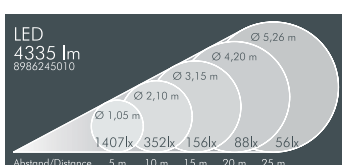
Nightspot B pole luminaire

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 \blacklozenge \blacklozenge \blacklozenge \blacklozenge , IK08
 windage area AW 0.05 m²
 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 \varnothing 60 - 100 mm,
 rotatable, powder coated aluminium mounting base: 2 drilled holes \varnothing 9 mm, spacing 105 mm,
 1 centre hole \varnothing 22 mm, tilt range 80°, swivel range 180°, M20 cable gland,
 integral driver (AC/DC)

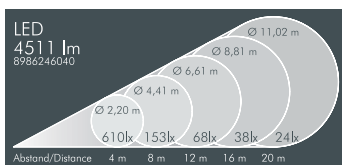
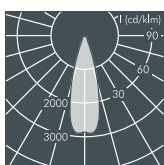


Nightspot B pole luminaire, narrow beam (with secondary reflector)

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 246 019	black	5.5 kg	1 x LED module 54 W warm white (3000 K)	4228 lm	12°
8 986 266 019	white				
8 986 256 019	silver grey				

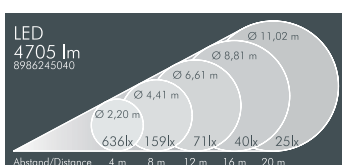


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 245 019	black	5.5 kg	1 x LED module 54 W neutral white (4000 K)	4335 lm	12°
8 986 265 019	white				
8 986 255 019	silver grey				

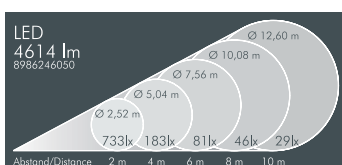
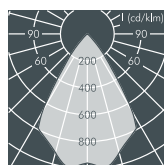


Nightspot B pole luminaire, medium wide beam (with secondary reflector)

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 246 049	black	5.5 kg	1 x LED module 54 W warm white (3000 K)	4511 lm	31°
8 986 266 049	white				
8 986 256 049	silver grey				

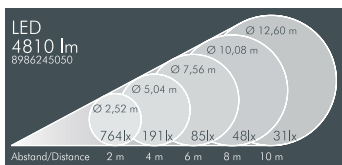


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 245 049	black	5.5 kg	1 x LED module 54 W neutral white (4000 K)	4705 lm	31°
8 986 265 049	white				
8 986 255 049	silver grey				



Nightspot B pole luminaire, wide beam (secondary reflector available as accessory)

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 246 059	black	5.5 kg	1 x LED module 54 W warm white (3000 K)	4614 lm	64°
8 986 266 059	white				
8 986 256 059	silver grey				



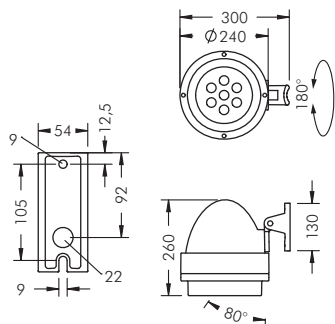
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 245 059	black	5.5 kg	1 x LED module 54 W neutral white (4000 K)	4810 lm	64°
8 986 265 059	white				
8 986 255 059	silver grey				

Part number	Protection class I luminaire
1..	Dimmable version (DALI)
2..	Dimmable version (1-10 V)
Part number	Protection class II luminaire
5..	Luminaire not dimmable
6..	Dimmable version (DALI)
7..	Dimmable version (1-10 V)



LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



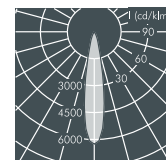
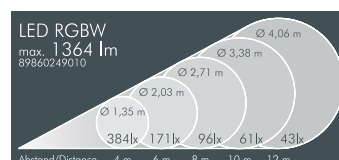


Nightspot B RGBW pole luminaire

With high performance LED modules RGBW, external DMX-controller required, integral temperature monitoring device protection class I, IP67  , IK08 windage area AWW 0.05 m² 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 22 mm, spacing 105 mm, 1 centre hole Ø 9 mm, tilt range 80°, swivel range 180°, M20 cable gland, connection by hybrid cable 230 V/DMX, RDM compatible integral driver (AC/DC)

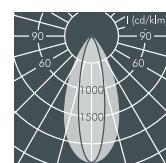
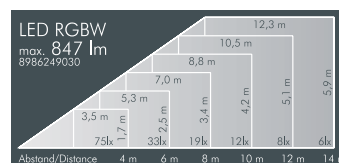
Nightspot B RGBW pole luminaire, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 249 019	black	7 x LED module RGBW 1.5 W	max. 1364 lm	19°
8 986 269 019	white	W = 4000 K		
8 986 259 019	silver grey	(max. 42 W)		
Weight 5.8 kg				



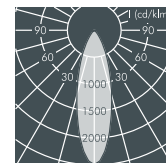
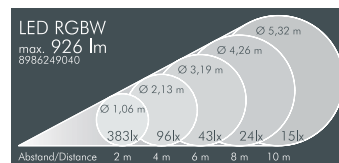
Nightspot B RGBW pole luminaire, elliptical beam spread

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 249 039	black	7 x LED module RGBW 1.5 W	max. 847 lm	C 0 - 180
8 986 269 039	white	W = 4000 K		C 90 - 270
8 986 259 039	silver grey	(max. 42 W)		24°
Weight 5.8 kg				



Nightspot B RGBW pole luminaire, medium wide beam


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 249 049	black	7 x LED module RGBW 1.5 W	max. 926 lm	30°
8 986 269 049	white	W = 4000 K		
8 986 259 049	silver grey	(max. 42 W)		
Weight 5.8 kg				

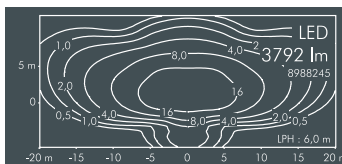
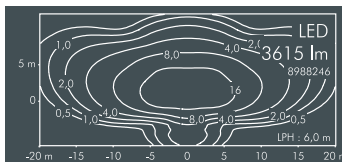
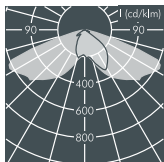
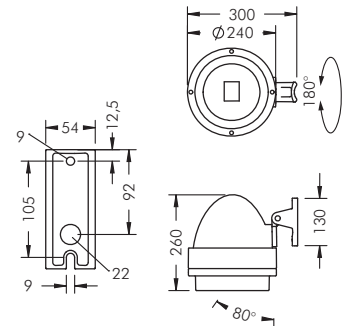


LED (see page 247)



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 AW 0.05 m²
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)	
8 988 246 009	black	5.3 kg	1 x LED module 41 W warm white (3000 K)	3615 lm	C 0 – 180	C 90 – 270
8 988 266 009	white				63°	28°
8 988 256 009	silver grey					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 988 245 009	black	5.3 kg	1 x LED module 41 W neutral white (4000 K)	3792 lm	C 0 – 180	C 90 – 270
8 988 265 009	white				63°	28°
8 988 255 009	silver grey					

Part number	Protection class I luminaire
• • • • • 1 ..	Dimmable version (DALI)
• • • • • 2 ..	Dimmable version (1-10 V)
Protection class II luminaire	
• • • • • 5 ..	Luminaire not dimmable
• • • • • 6 ..	Dimmable version (DALI)
• • • • • 7 ..	Dimmable version (1-10 V)

Illumination examples (according to DIN EN 13201-2)

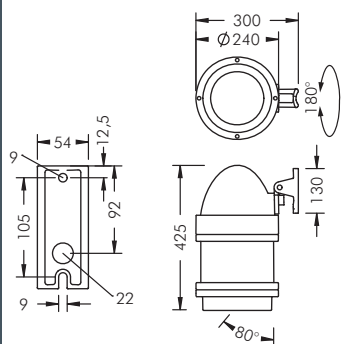
	Lighting situation			
	S(P)2	S(P)3	S(P)4	S(P)5
LPH	6 m	6 m	6 m	6 m
D	30 m	36 m	40 m	42 m
D/H	5	6	6.7	7
Em	10.1 lx	8.4 lx	7.6 lx	7.2 lx
Emin	4.4 lx	1.5 lx	1.0 lx	0.7 lx
Emin/Em	0.43	0.22	0.13	0.1
TI*	15%	17%	19%	20%

* 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

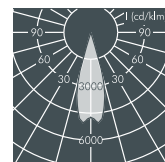
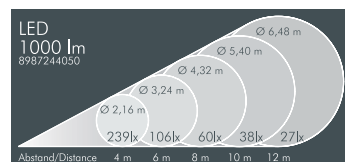
Monochrome: With high performance LED module, CRI: > 70, Colour tolerance: max. 4 SDCM Service life: L70/B20 > 50 000 h protection class I or II, IP67 , IK08 integral driver (AC/DC)

RGBW: With high performance LED module RGBW, protection class I, IP67 , IK08 external DMX-controller required, connection with hybrid cable 230 V/DMX, RDM compatible integral driver (AC/DC)

windage area AW 0.085 m², 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, 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

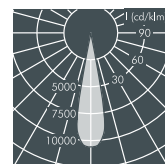
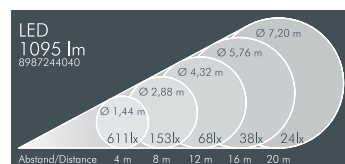
Nightspot B Gobo pole luminaire, 63 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 987 244 059	black	7.8 kg	1 x LED module 47 W cool white (6500 K)	1000 lm	30°
8 987 264 059	white				
8 987 254 059	silver grey				



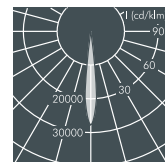
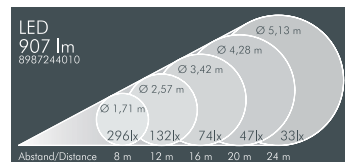
Nightspot B Gobo pole luminaire, 85 mm focal length

Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 987 244 049	black	7.8 kg	1 x LED module 47 W cool white (6500 K)	1095 lm	20°
8 987 264 049	white				
8 987 254 049	silver grey				



Nightspot B Gobo pole luminaire, 150 mm focal length

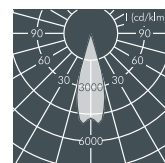
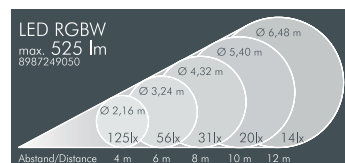
Part number	Colour	Weight	Light source	Luminous flux	Beam angle
8 987 244 019	black	7.9 kg	1 x LED module 47 W cool white (6500 K)	907 lm	12°
8 987 264 019	white				
8 987 254 019	silver grey				



Part number	Protection class I luminaire
..... 1..	Dimmable version (DALI)
..... 2..	Dimmable version (1-10 V)
	Protection class II luminaire
..... 5..	Luminaire not dimmable
..... 6..	Dimmable version (DALI)
..... 7..	Dimmable version (1-10 V)

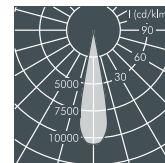
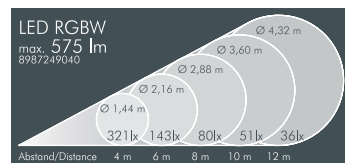
Nightspot B RGBW Gobo pole luminaire, 63 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 987 249 059	black	1 x LED module RGBW W = 6000 K (max. 38 W)	max. 525 lm	30°
8 987 269 059	white			
8 987 259 059	silver grey			
Weight 7.8 kg				



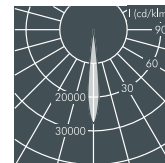
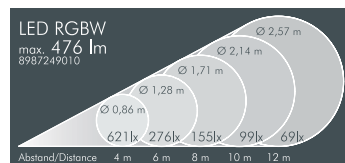
Nightspot B RGBW Gobo pole luminaire, 85 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 987 249 049	black	1 x LED module RGBW W = 6000 K (max. 38 W)	max. 575 lm	20°
8 987 269 049	white			
8 987 259 049	silver grey			
Weight 7.8 kg				



Nightspot B RGBW Gobo pole luminaire, 150 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 987 249 019	black	1 x LED module RGBW W = 6000 K (max. 38 W)	max. 476 lm	12°
8 987 269 019	white			
8 987 259 019	silver grey			
Weight 7.9 kg				



LED (see page 247)





Accessories Nightspot

A2

Part number	Colour	Description
129 0 578 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting. Only one accessory per luminaire, not in combination.
129 0 578 960	white	
129 0 578 950	silver grey	

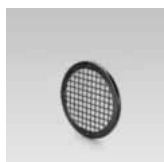
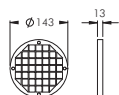
B

Part number	Colour	Description
129 0 320 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting. Only one accessory per luminaire, not in combination.
129 0 320 960	white	
129 0 320 950	silver grey	



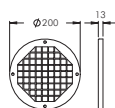
A2

Part number	Colour	Description
129 0 591 940	black	Protection grill , stainless steel, to protect the glass lens from breakage and vandalism, for retro-fitting
129 0 591 960	white	
129 0 591 950	silver grey	



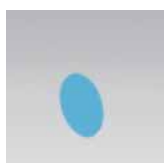
B

Part number	Colour	Description
129 0 340 940	black	Protection grill , stainless steel, to protect the glass lens from breakage and vandalism, for retro-fitting
129 0 340 960	white	
129 0 340 950	silver grey	



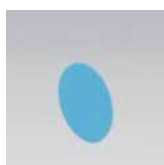
A2

Part number	Colour	Description
129 0 581 000	yellow	Dichroic colour filter , internally fitted
129 0 587 000	red	
129 0 583 000	blue	
129 0 588 000	green	



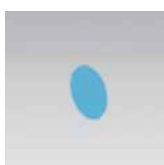
B*

Part number	Colour	Description
129 0 681 000	yellow	Dichroic colour filter , internally fitted *not suitable for luminaires 8 988 ...
129 0 687 000	red	
129 0 683 000	blue	
129 0 688 000	green	



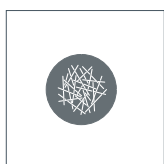
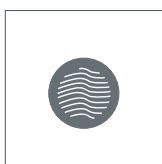
B Gobo

Part number	Colour	Description
129 0 551 000	yellow	Dichroic colour filter , internally fitted
129 0 557 000	red	
129 0 553 000	blue	
129 0 558 000	green	



B Gobo / B RGBW Gobo

Part number	Description
129 0 257 000	Framer for sharp edges on 3 or 4-sided images

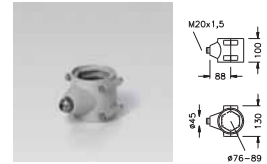


Part number	Part number	Part number	Description
129 0 489 000	129 0 490 000	129 0 491 000	Standardgobos Ø 50 mm
Example waves	Example stars	Example hash	

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)

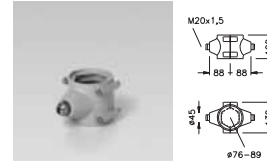
A2, B

Part number	Colour	Description
119 0 033 940	black	Single pole mount clamp, aluminium, for poles Ø 76 – 89 mm
119 0 033 960	white	
119 0 033 950	silver grey	



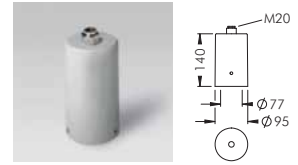
A2, B

Part number	Colour	Description
119 0 034 940	black	Double pole mount clamp, aluminium, for poles Ø 76 – 89 mm
119 0 034 960	white	
119 0 034 950	silver grey	



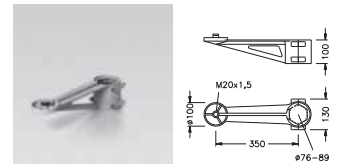
A2, B, B Gobo

Part number	Colour	Description
128 0 626 940	black	Pole Top Fitter, aluminium, for 76 mm pole top, with M20 x 1.5 connection thread, for installation of one luminaire
128 0 626 960	white	
128 0 626 950	silver grey	



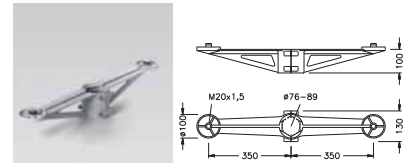
A2, B, B Gobo

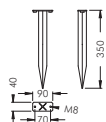
Part number	Colour	Description
119 0 031 940	black	Single pole mount arm, aluminium, for poles Ø 76 – 89 mm
119 0 031 960	white	
119 0 031 950	silver grey	



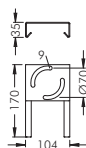
A2, B, B Gobo

Part number	Colour	Description
119 0 032 940	black	Double pole mount arm, aluminium, for poles Ø 76 – 89 mm
119 0 032 960	white	
119 0 032 950	silver grey	





A2, B		
Part number	Colour	Description
129 0 390 940	black	Stainless steel earth spike, for use in landscape lighting
129 0 390 960	white	
129 0 390 950	silver grey	



Part number	Description
120 0 623 940	Expandable tree strap with mounting plate, made of polyester fiber for trunk circumference 350 – 450 mm*, with polyester powder coated mounting plate

*different lengths available upon request

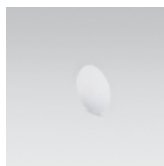


A2, B, wide beam		
A2	B	
Part number	Part number	Description
129 0 653 000	129 0 660 000	Secondary reflector, internally fitted, to avoid direct glare

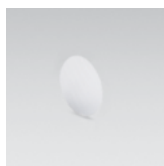


B*, narrow beam, medium wide beam			
Part number	Description	Half beam angle γ	
129 0 647 000	Prismatic glass, for diffused light distribution	narrow beam	medium wide beam
		24°	47°

*not suitable for luminaires 8 988 ...



A2, narrow beam			
Part number	Description	Half beam angle γ	
129 0 580 000	Ribbed glass, internally fitted, for linear beam control, continuously adjustable 360°	C 0-180	C 90-270
		17°	40°



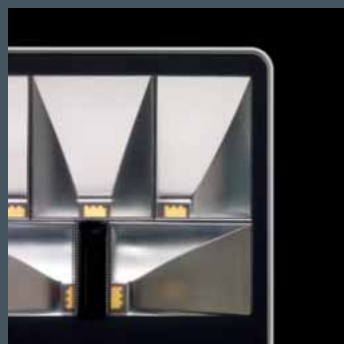
B*, narrow beam, medium wide beam					
Part number	Description	Half beam angle γ			
129 0 627 000	Ribbed glass, internally fitted, for linear beam control, continuously adjustable 360°	narrow beam		medium wide beam	
		C 0-180	C 90-270	C 0-180	C 90-270
		15°	34°	32°	55°

*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.

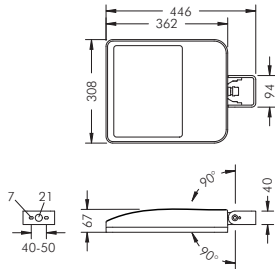





Pole-top luminaires are available complete with one or two floodlights. With a choice of various different light distributions and wattages this configuration can be adapted to a distinct lighting task. The units are pre-assembled for easy installation.

The neutral and functional design of Monospace is compatible with many different architectural environments.



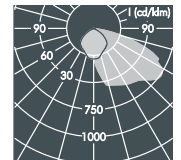
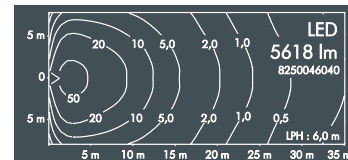


Monospace with wall bracket

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 m²
 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

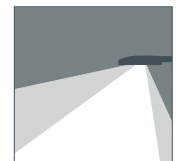
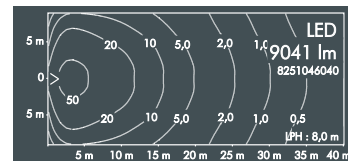
Monospace, asymmetrical beam

Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 250 046 049	black	4.5 kg	4 x LED module 11.5 W	5618 lm	58°
8 250 066 049	white		(46 W)		
8 250 056 049	silver grey		warm white (3000 K)		



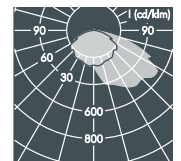
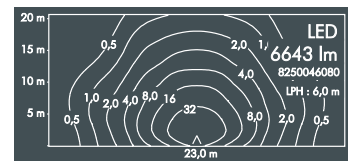
Monospace, asymmetrical beam, High Output

Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 251 046 049	black	4.8 kg	4 x LED module 20 W	9041 lm	58°
8 251 066 049	white		(80 W)		
8 251 056 049	silver grey		warm white (3000 K)		



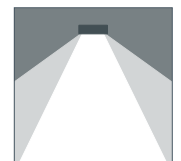
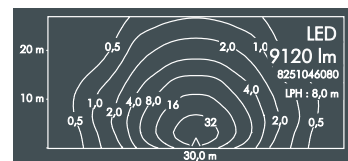
Monospace, asymmetrical wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 250 046 089	black	4.5 kg	5 x LED module 10.8 W	6643 lm	60°	138°
8 250 066 089	white		(54 W)			
8 250 056 089	silver grey		warm white (3000 K)			



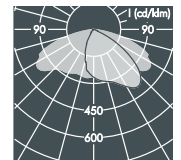
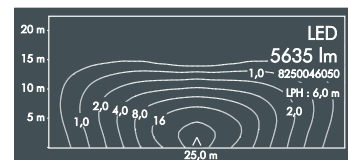
Monospace, asymmetrical wide beam, High Output

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 251 046 089	black	4.8 kg	5 x LED module 16 W	9120 lm	60°	138°
8 251 066 089	white		(80 W)			
8 251 056 089	silver grey		warm white (3000 K)			



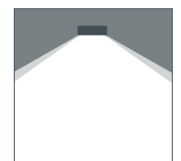
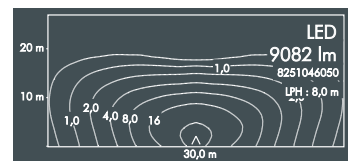
Monospace, lateral wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 250 046 059	black	4.5 kg	4 x LED module 11.5 W	5635 lm	33°	148°
8 250 066 059	white		(46 W)			
8 250 056 059	silver grey		warm white (3000 K)			



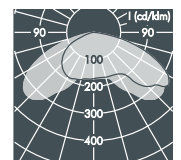
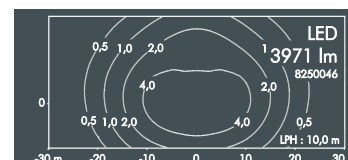
Monospace, lateral wide beam, High Output

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 251 046 059	black	4.8 kg	4 x LED module 20 W	9082 lm	33°	148°
8 251 066 059	white		(80 W)			
8 251 056 059	silver grey		warm white (3000 K)			



Monospace, Comfort Optic

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 250 046 009	black	4.6 kg	1 x LED Prism module 55 W	3971 lm	71°	139°
8 250 066 009	white		warm white (3000 K)			
8 250 056 009	silver grey					




Part number	Description
... . 5 ...	Luminaire with neutral white colour temperature (4000 K)
... . . 1 ..	Dimmable luminaire (DALI)

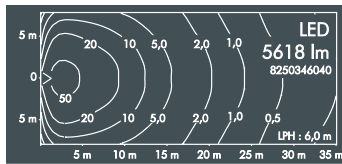
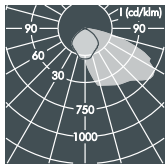
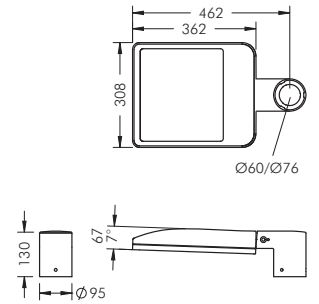
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



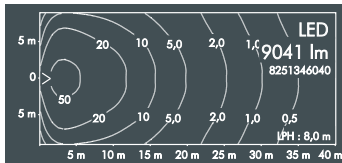
Monospace pole-top luminaire, single configuration

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 m²
 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



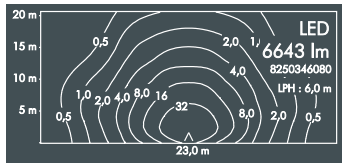
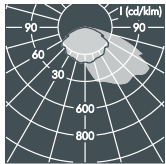
Monospace pole-top luminaire, single configuration, asymmetrical beam

Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 250 346 049	black	5.1 kg	4 x LED module 11.5 W (46 W) warm white (3000 K)	5618 lm	58°
8 250 366 049	white				
8 250 356 049	silver grey				



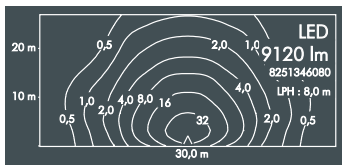
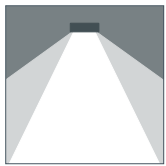
Monospace pole-top luminaire, single configuration, asymmetrical beam, High Output

Part number*	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 251 346 049	black	5.4 kg	4 x LED module 20 W (80 W) warm white (3000 K)	9041 lm	58°
8 251 366 049	white				
8 251 356 049	silver grey				



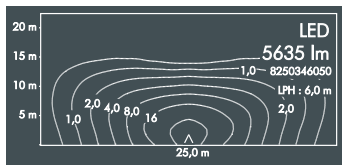
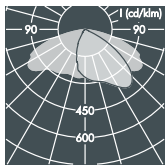
Monospace pole-top luminaire, single configuration, asymmetrical wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 250 346 089	black	5.1 kg	5 x LED module 10.8 W (54 W) warm white (3000 K)	6643 lm	60°	138°
8 250 366 089	white					
8 250 356 089	silver grey					



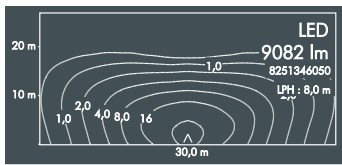
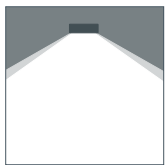
Monospace pole-top luminaire, single configuration, asymmetrical wide beam, High Output

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 251 346 089	black	5.4 kg	5 x LED module 16 W (80 W) warm white (3000 K)	9120 lm	60°	138°
8 251 366 089	white					
8 251 356 089	silver grey					



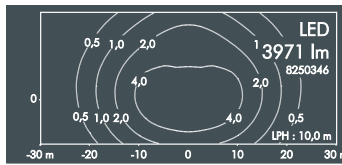
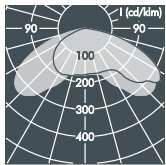
Monospace pole-top luminaire, single configuration, lateral wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 250 346 059	black	5.1 kg	4 x LED module 11.5 W (46 W) warm white (3000 K)	5635 lm	33°	148°
8 250 366 059	white					
8 250 356 059	silver grey					



Monospace pole-top luminaire, single configuration, lateral wide beam, High Output

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 251 346 059	black	5.4 kg	4 x LED module 20 W (80 W) warm white (3000 K)	9082 lm	33°	148°
8 251 366 059	white					
8 251 356 059	silver grey					



Monospace pole-top luminaire, single configuration, Comfort Optic

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 250 346 009	black	5.2 kg	1 x Prism module 55 W warm white (3000 K)	3971 lm	71°	139°
8 250 366 009	white					
8 250 356 009	silver grey					

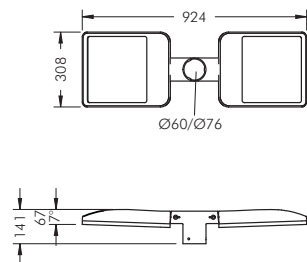
Part number	Description
.....5...	Luminaire with neutral white colour temperature (4000 K)
.....1..	Dimmable luminaire (DALI)

*Additional dimming options and Zhaga 18-interface are available upon request.

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



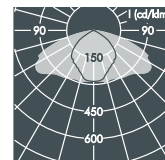
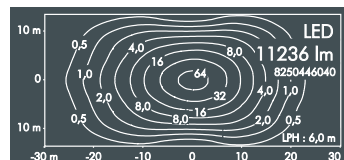


Monospace pole-top luminaire, double configuration

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 m²
 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

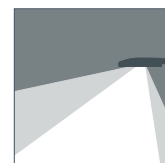
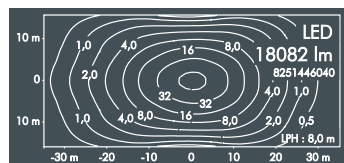
Monospace pole-top luminaire, double configuration, asymmetrical beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 250 446 049	black	9.7 kg	8 x LED module 11.5 W (92 W) warm white (3000 K)	11236 lm	58°
8 250 466 049	white				
8 250 456 049	silver grey				



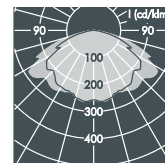
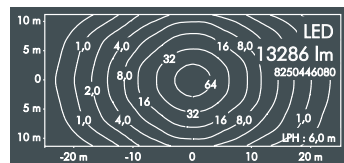
Monospace pole-top luminaire, double configuration, asymmetrical beam, High Output

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 251 446 049	black	10.3 kg	8 x LED module 20 W (160 W) warm white (3000 K)	18082 lm	58°
8 251 466 049	white				
8 251 456 049	silver grey				



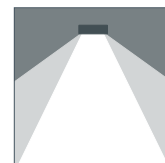
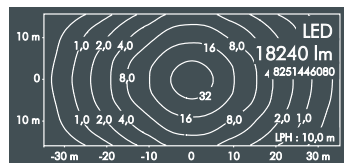
Monospace pole-top luminaire, double configuration, asymmetrical wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 250 446 089	black	9.7 kg	10 x LED module 10.8 W (108 W) warm white (3000 K)	13286 lm	60°	138°
8 250 466 089	white					
8 250 456 089	silver grey					



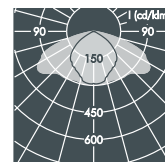
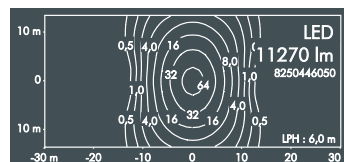
Monospace pole-top luminaire, double configuration, asymmetrical wide beam, High Output

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 251 446 089	black	10.3 kg	10 x LED module 16 W (160 W) warm white (3000 K)	18240 lm	60°	138°
8 251 466 089	white					
8 251 456 089	silver grey					



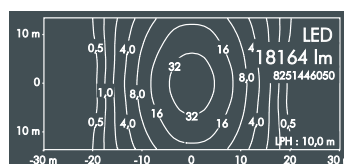
Monospace pole-top luminaire, double configuration, lateral wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 250 446 059	black	9.7 kg	8 x LED module 11.5 W (92 W) warm white (3000 K)	11270 lm	33°	148°
8 250 466 059	white					
8 250 456 059	silver grey					



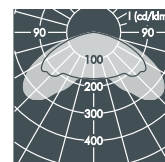
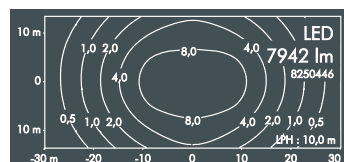
Monospace pole-top luminaire, double configuration, lateral wide beam, High Output

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 251 446 059	black	10.3 kg	8 x LED module 20 W (160 W) warm white (3000 K)	18164 lm	33°	148°
8 251 466 059	white					
8 251 456 059	silver grey					



Monospace pole-top luminaire, double configuration, Comfort Optic

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 250 446 009	black	9.8 kg	2 x LED Prism module 55 W (110 W) warm white (3000 K)	7942 lm	71°	139°
8 250 466 009	white					
8 250 456 009	silver grey					



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





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.

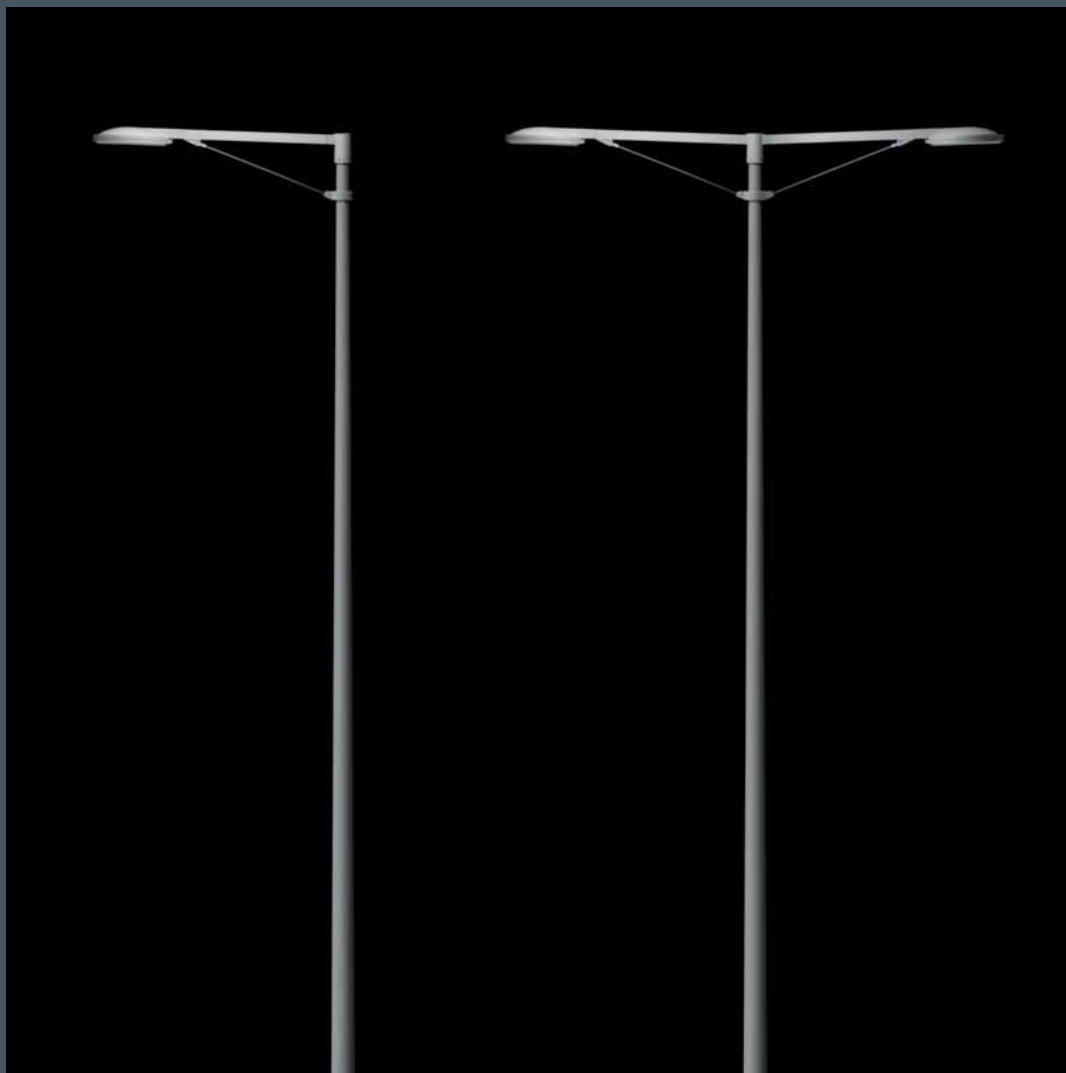
The modern design is timeless and maintenance free. There is no exterior detailing on the housing, such as cooling fins, which can trap dust and dirt. There is an exemplary range of pole or wall mounting accessories available for the Ecoscape series.

Design: Roy Fleetwood

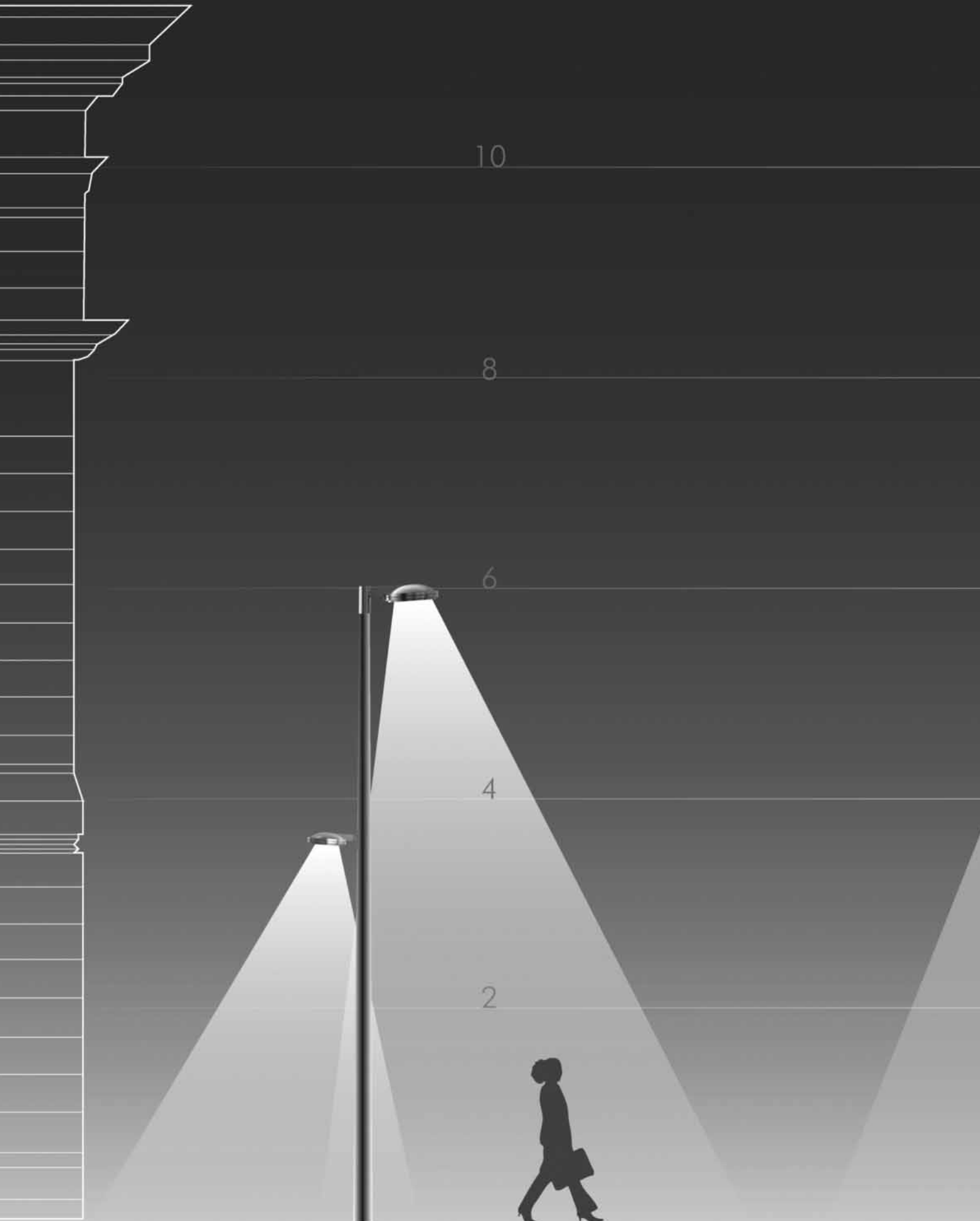


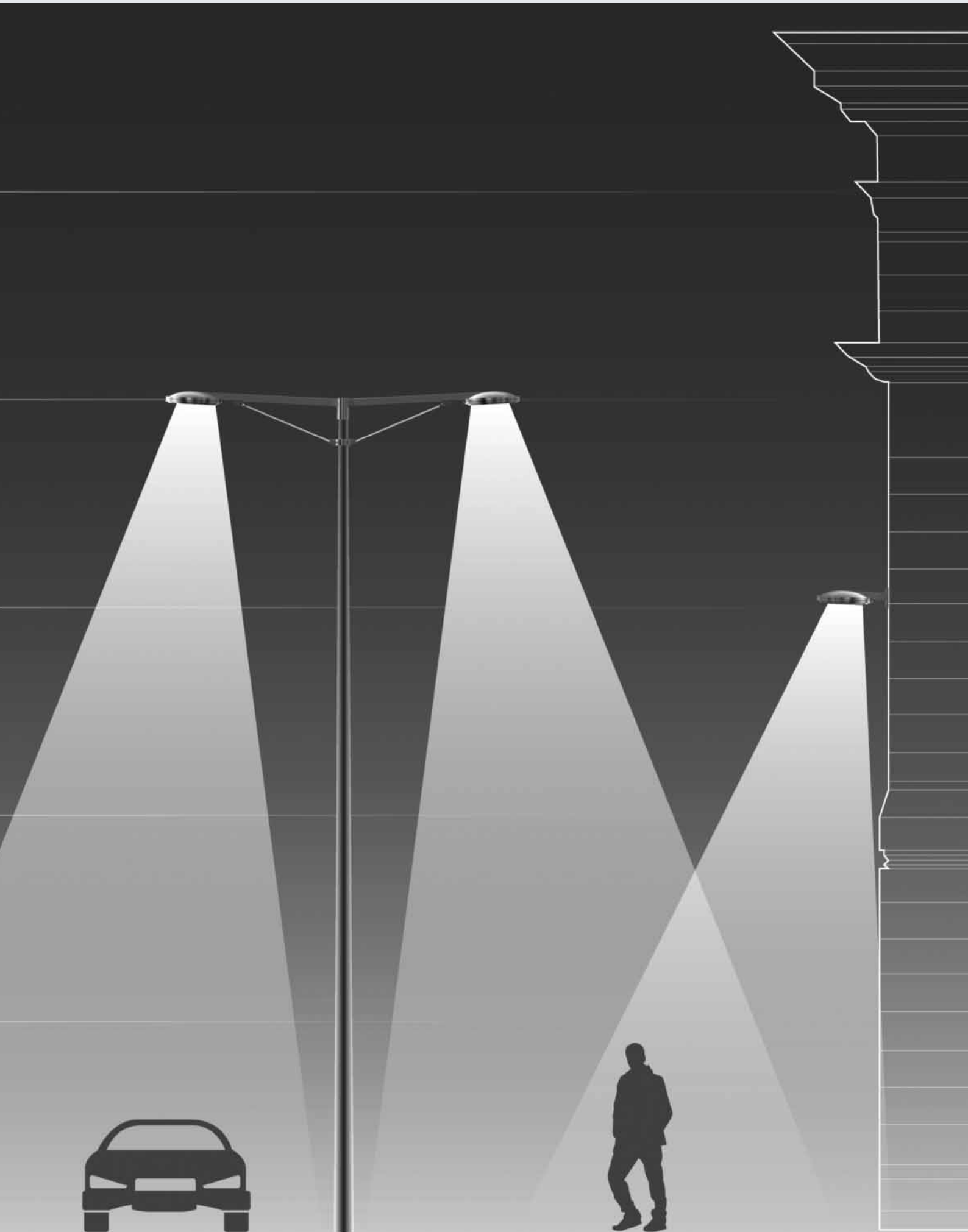
The Comfort Optic uses micro prisms to direct light in defined directions. Light diffraction and shielded LEDs make perfect glare control possible.

The range of accessories allows for different mounting possibilities and luminaire configurations.



Lilleeng Helsepark, Norway
Lighting design: Frizen Belysning

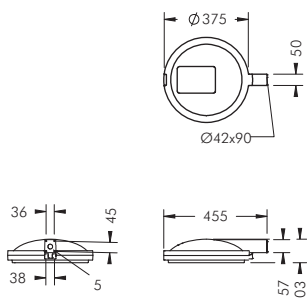






Ecoscape 1

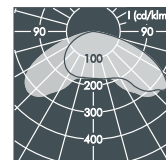
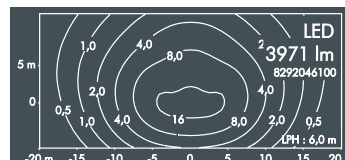
With LED Prism module,
 integral temperature monitoring device,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L80/B10 > 50 000 h
 protection class I or II, IP67 , IK09
 windage area AW 0.11 m²
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 all exterior steel 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 1, Comfort Optic

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 292 046 109	black	6.5 kg	1 x LED Prism module 55 W warm white (3000 K)	3971 lm	71°	139°
8 292 066 109	white					
8 292 056 109	silver grey					

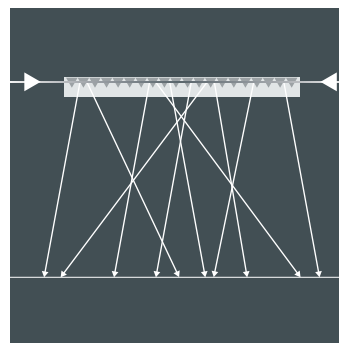
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 292 045 109	black	6.5 kg	1 x LED Prism module 55 W neutral white (4000 K)	4142 lm	71°	139°
8 292 065 109	white					
8 292 055 109	silver grey					



Part number	Description
. 1.	Luminaire 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.




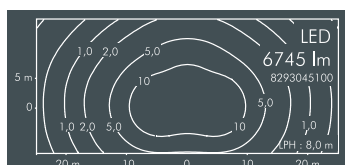
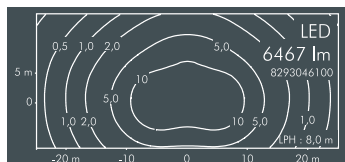
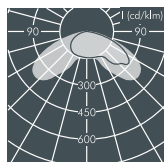
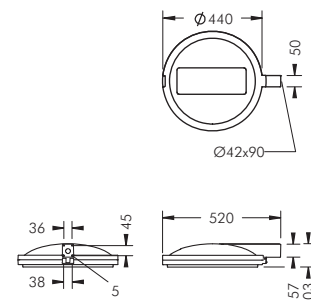
LED (see page 247)

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 m²
 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)	
					C 0 – 180	C 90 – 270
8 293 046 109	black	8.5 kg	1 x LED Prism module 90 W warm white (3000 K)	6467 lm	71°	139°
8 293 066 109	white					
8 293 056 109	silver grey					

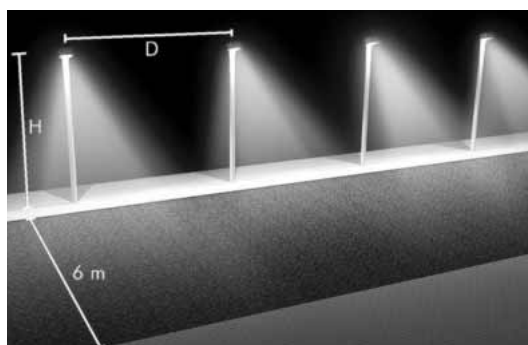
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 293 045 109	black	8.5 kg	1 x LED Prism module 90 W neutral white (4000 K)	6745 lm	71°	139°
8 293 065 109	white					
8 293 055 109	silver grey					

Part number	Description
.....1.	Luminaire 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
H	6 m	8 m
D	25 m	34 m
D/H	4.2	4.25
Em	7.6 lx	7.7 lx
Emin/Em	0.34	0.37
TI*	7%	7%

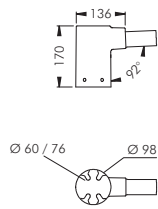
* TI: Threshold Increment (unit for measuring glare).
 A low TI value indicates a low glare factor.



LED (see page 247)

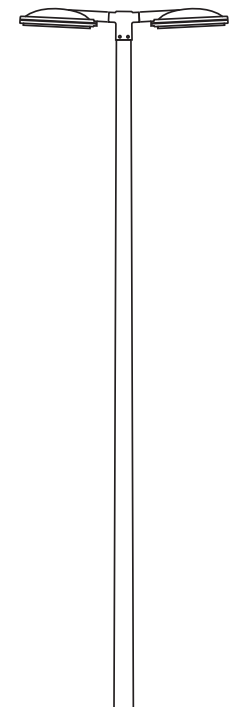
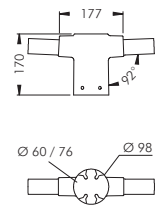
Luminaires available in 2700 K and other colour temperatures upon request





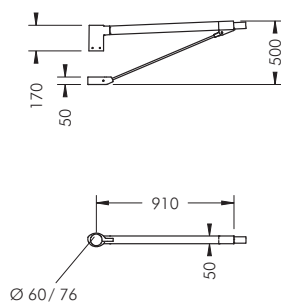
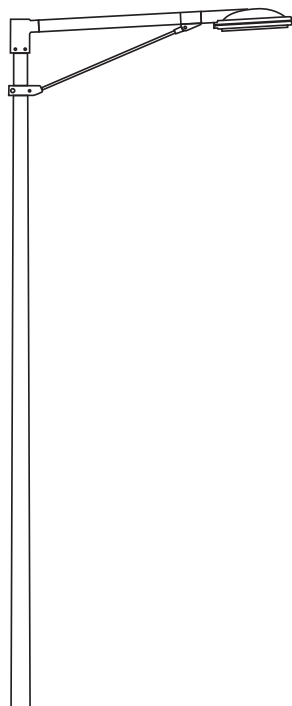
Pole top fitter for one luminaire

Part number	Colour	Description
122 0 281 940	black	Pole top fitter , aluminium, polyester powder coated, for pole Ø 60 - 76 mm
122 0 281 960	white	
122 0 281 950	silver grey	



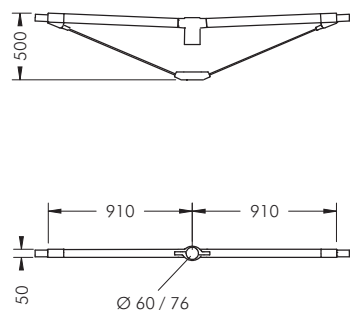
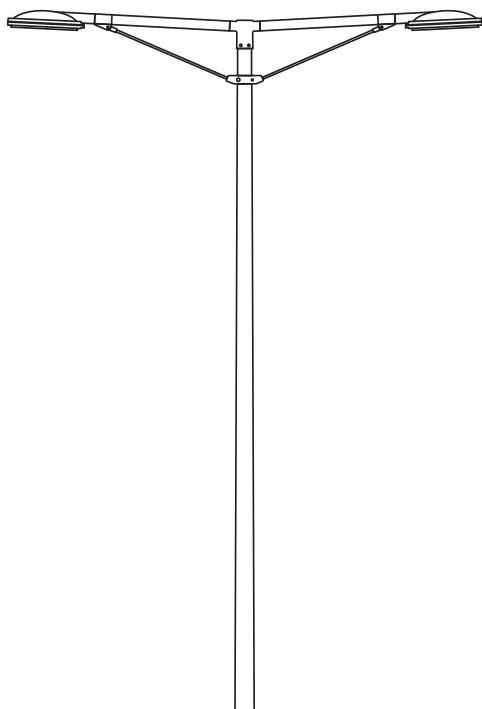
Pole top fitter for two luminaires

Part number	Colour	Description
122 0 282 940	black	Pole top fitter , aluminium, polyester powder coated, for pole Ø 60 - 76 mm
122 0 282 960	white	
122 0 282 950	silver grey	



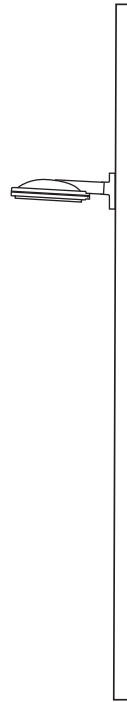
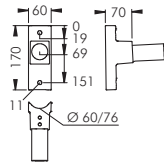
Pole outrigger for one luminaire

Part number	Colour	Description
122 0 291 940	black	Pole outrigger, 910 mm, aluminium, polyester powder coated, for pole Ø 60 mm
122 0 291 960	white	
122 0 291 950	silver grey	
122 0 293 940	black	Pole outrigger, 910 mm, aluminium, polyester powder coated, for pole Ø 76 mm
122 0 293 960	white	
122 0 293 950	silver grey	



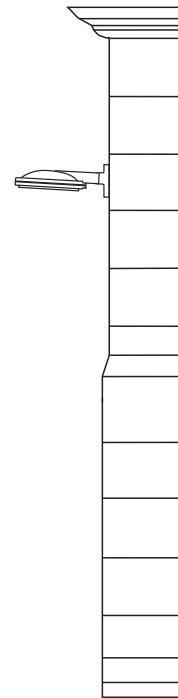
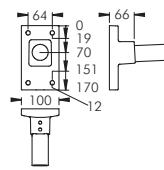
Pole outrigger for two luminaires

Part number	Colour	Description
122 0 292 940	black	Pole outrigger, 2 x 910 mm, aluminium, polyester powder coated, for pole Ø 60 mm
122 0 292 960	white	
122 0 292 950	silver grey	
122 0 294 940	black	Pole outrigger, 2 x 910 mm, aluminium, polyester powder coated, for pole Ø 76 mm
122 0 294 960	white	
122 0 294 950	silver grey	



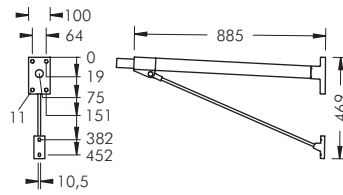
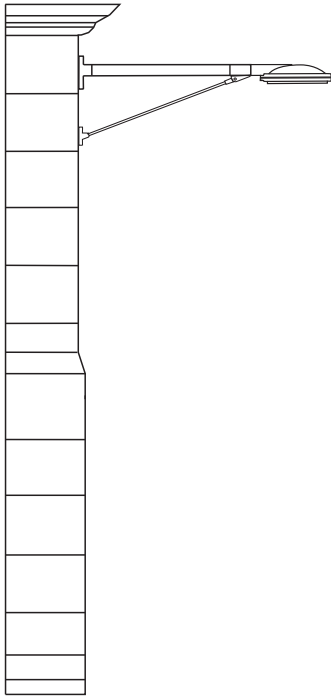
Pole adapter

Part number	Colour	Description
122 0 283 940	black	Pole adapter , aluminium, polyester powder coated, for poles Ø 60 - 76 mm
122 0 283 960	white	
122 0 283 950	silver grey	



Wall adapter

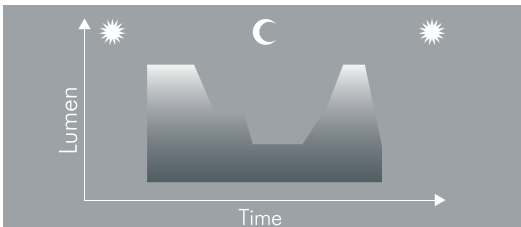
Part number	Colour	Description
122 0 284 940	black	Wall adapter , aluminium, polyester powder coated
122 0 284 960	white	
122 0 284 950	silver grey	



Wall outrigger

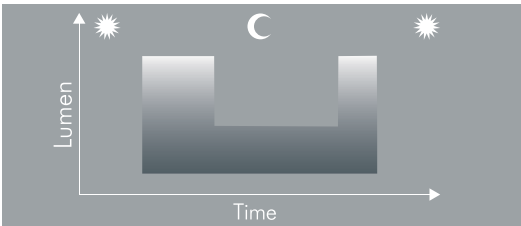
Part number	Colour	Description
122 0 285 940	black	Wall outrigger , 885 mm, aluminium, polyester powder coated
122 0 285 960	white	
122 0 285 950	silver grey	

Light control options



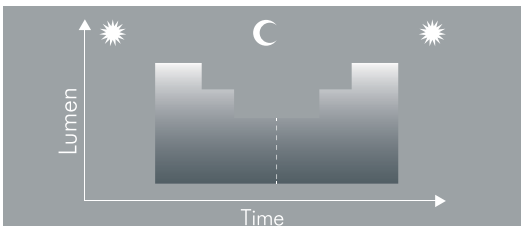
DALI

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.



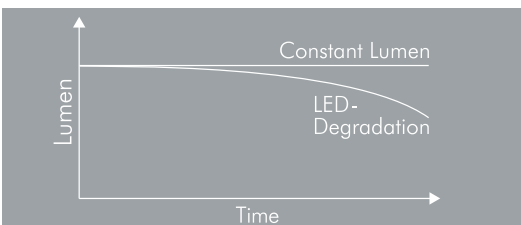
StepDIM

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.



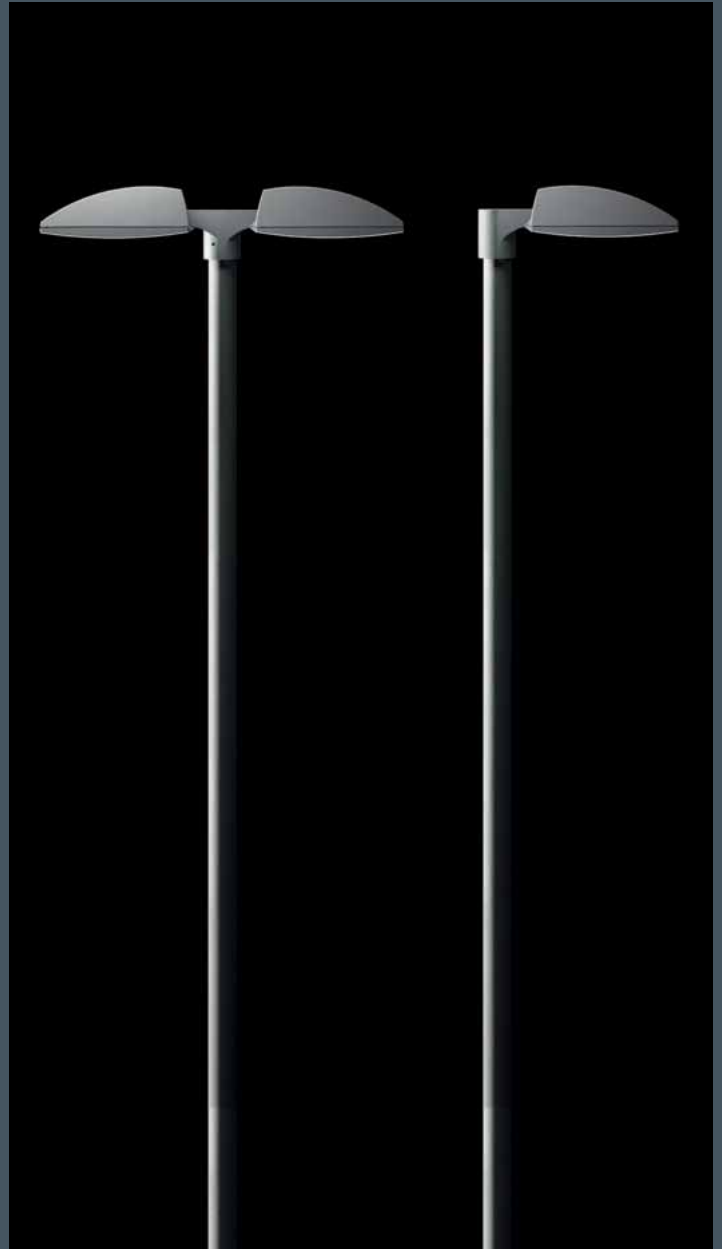
Fluxa area floodlights create uniform illumination for the urban environment, on public squares, pathways and streets. Depending on the type of application there are suitable luminaires available with asymmetrical or wide beam light distributions.

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.

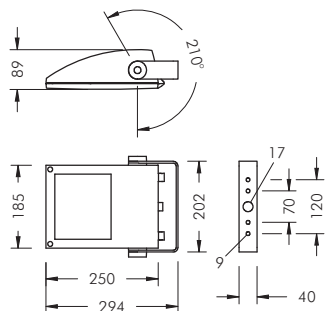
The luminaires are available in 3 sizes with varying wattages for different mounting heights.



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

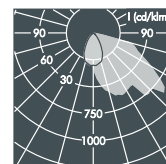
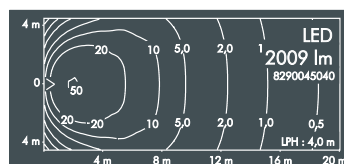


Fluxa Mini

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 m²
 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)

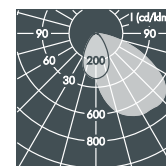
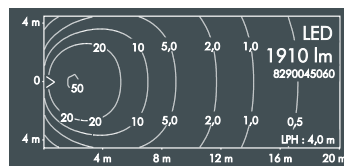
Fluxa Mini, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 290 045 049	black	2.6 kg	1 x LED module 26 W neutral white (4000 K)	2009 lm	50°
8 290 065 049	white				
8 290 055 049	silver grey				



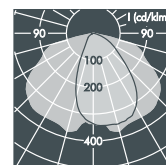
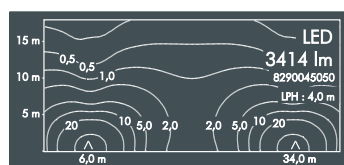
Fluxa Mini, asymmetrical beam, with prismatic glass, for reduced glare

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 290 045 069	black	2.6 kg	1 x LED module 26 W neutral white (4000 K)	1910 lm	43°
8 290 065 069	white				
8 290 055 069	silver grey				

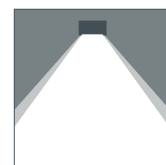
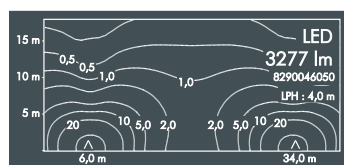


Fluxa Mini, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 290 045 059	black	2.4 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	3414 lm	C 0 – 180	C 90 – 270
8 290 065 059	white				61°	145°
8 290 055 059	silver grey					

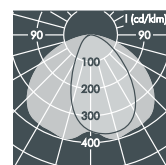
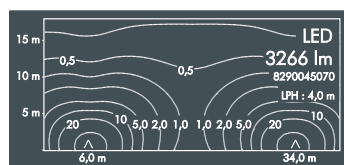


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 290 046 059	black	2.4 kg	2 x LED module 18 W (36 W) warm white (3000 K)	3277 lm	C 0 – 180	C 90 – 270
8 290 066 059	white				61°	145°
8 290 056 059	silver grey					



Fluxa Mini, wide beam, with prismatic glass, for reduced glare

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 290 045 079	black	2.4 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	3266 lm	C 0 – 180	C 90 – 270
8 290 065 079	white				62°	124°
8 290 055 079	silver grey					




Part number	Description
..... 6 ...	Luminaire with warm white LED module (3000 K)
..... 1 ..	Dimmable version (DALI)
..... 2 ..	Dimmable version (1-10 V)

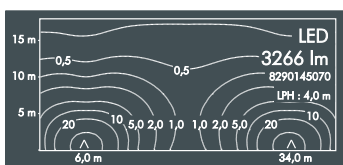
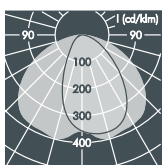
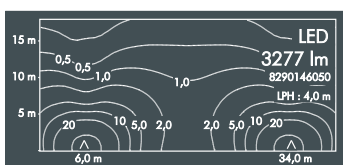
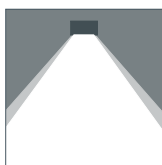
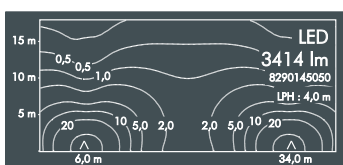
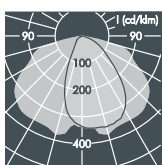
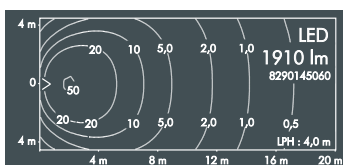
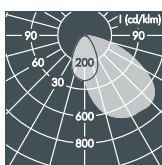
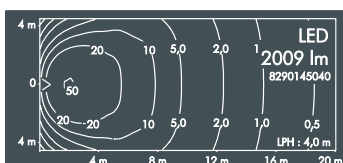
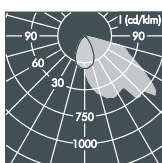
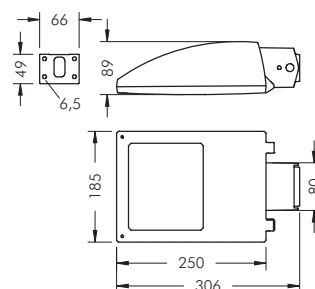
LED (see page 247)

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 m²
 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
8 290 145 049	black	2.6 kg	1 x LED module 26 W neutral white (4000 K)	2009 lm	50°
8 290 165 049	white				
8 290 155 049	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
8 290 145 069	black	2.6 kg	1 x LED module 26 W neutral white (4000 K)	1910 lm	43°
8 290 165 069	white				
8 290 155 069	silver grey				

Fluxa Mini G, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 290 145 059	black	2.4 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	3414 lm	C 0 – 180	C 90 – 270
8 290 165 059	white				61°	145°
8 290 155 059	silver grey					

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 290 146 059	black	2.4 kg	2 x LED module 18 W (36 W) warm white (3000 K)	3277 lm	C 0 – 180	C 90 – 270
8 290 166 059	white				61°	145°
8 290 156 059	silver grey					

Fluxa Mini G, wide beam, with prismatic glass, for reduced glare

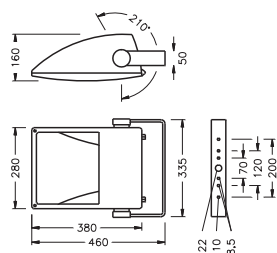
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 290 145 079	black	2.4 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	3266 lm	C 0 – 180	C 90 – 270
8 290 165 079	white				62°	124°
8 290 155 079	silver grey					

Part number	Description
..... 6 ...	Luminaire with warm white LED module (3000 K)
..... 1 ..	Dimmable version (DALI)
..... 2 ..	Dimmable version (1-10 V)

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



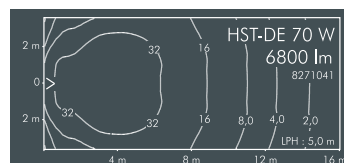
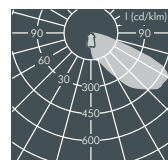
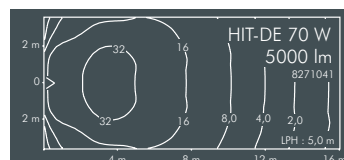


Fluxa A

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 \triangle \triangle , IK08 windage area AW 0.11 m² 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 \varnothing 8.5 mm, spacing 70 mm (120 mm), 2 drilled holes \varnothing 10 mm, spacing 200 mm, 1 centre hole \varnothing 22 mm, tilt range 210°, M20 cable gland, integral LPF ballast and ignitor, HPF available on request (see page 246), supplied without lamp

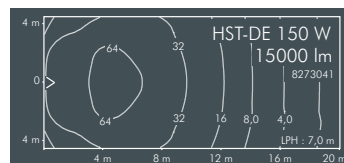
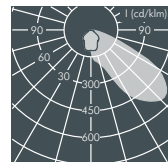
Fluxa A 70 W, asymmetrical beam

Part number	Colour	Lamp	Lampholder	Weight	Main beam angle γ
8 271 041 009	black	HIT-DE 70 W	Rx7s	8.5 kg	60°
8 271 061 009	white	HIT-DE-CE 70 W			
8 271 051 009	silver grey	HST-DE 70 W			



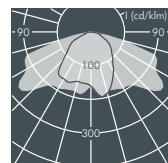
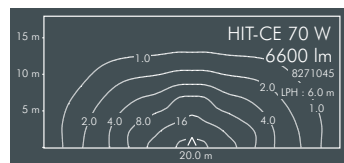
Fluxa A 150 W, asymmetrical beam

Part number	Colour	Lamp	Lampholder	Weight	Main beam angle γ
8 273 041 009	black	HIT-DE 150 W	Rx7s	9.0 kg	45°
8 273 061 009	white	HIT-DE-CE 150 W			
8 273 051 009	silver grey	HST-DE 150 W			



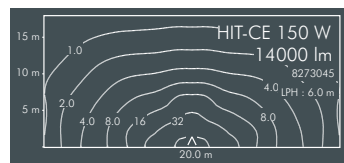
Fluxa A 70 W, wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 271 045 009	black	HIT 70 W	G12	8.5 kg	82°	145°
8 271 065 009	white	HIT-CE 70 W				
8 271 055 009	silver grey					



Fluxa A 150 W, wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 273 045 009	black	HIT 150 W	G12	9 kg	82°	145°
8 273 065 009	white	HIT-CE 150 W				
8 273 055 009	silver grey					



Lamps

HIT-DE



HIT-DE-CE



HST-DE






HIT

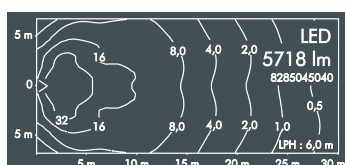
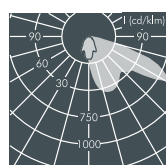
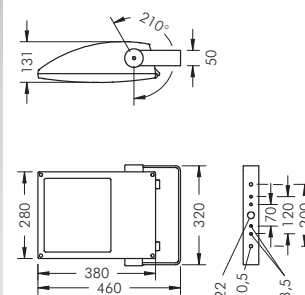


HIT-CE



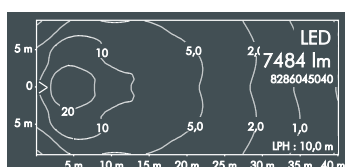
Fluxa A

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 m²
 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)

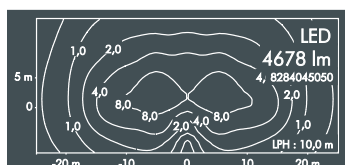
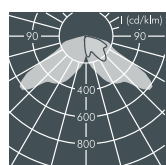


Fluxa A, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 285 045 049	black	6.2 kg	1 x LED module 48 W neutral white (4000 K)	5718 lm	60°
8 285 065 049	white				
8 285 055 049	silver grey				

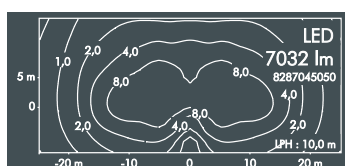


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 286 045 049	black	6.2 kg	1 x LED module 63 W neutral white (4000 K)	7484 lm	60°
8 286 065 049	white				
8 286 055 049	silver grey				



Fluxa A, wide beam

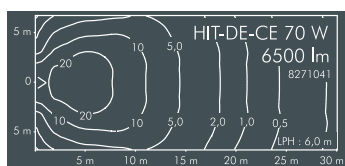
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 284 045 059	black	6.2 kg	2 x LED module 20 W (40 W) neutral white (4000 K)	4678 lm	C 0 – 180	C 90 – 270
8 284 065 059	white				72°	122°
8 284 055 059	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 287 045 059	black	6.2 kg	2 x LED module 31 W (62 W) neutral white (4000 K)	7032 lm	C 0 – 180	C 90 – 270
8 287 065 059	white				72°	122°
8 287 055 059	silver grey					

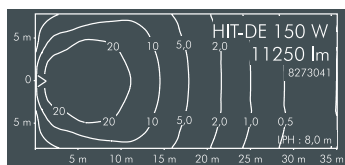
Part number	Description
. 6 . . .	Luminaire with warm white LED module (3000 K)
. 1 . .	Dimmable luminaire* DALI / StepDIM / AstroDIM
.6	Luminaire asymmetrical beam, with prismatic glass, for reduced glare
.7	Luminaire wide beam, with prismatic glass, for reduced glare

* 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



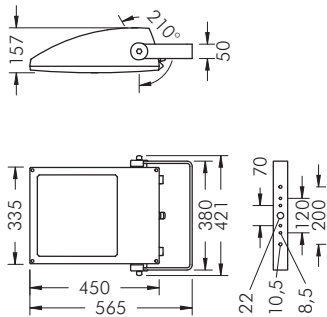
Lux level comparison HIT-DE 150 W / LED 63 W, asymmetrical beam

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



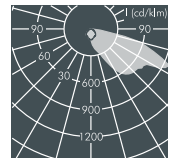
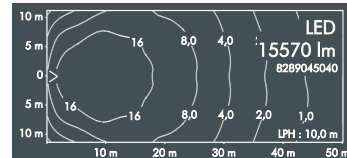


Fluxa B

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 m²
 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)

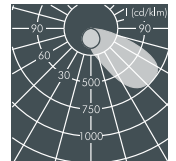
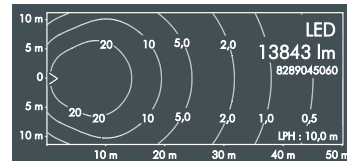
Fluxa B, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 289 045 049	black	9.7 kg	2 x LED module 79 W (158 W) neutral white (4000 K)	15570 lm	65°
8 289 065 049	white				
8 289 055 049	silver grey				



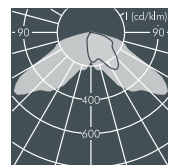
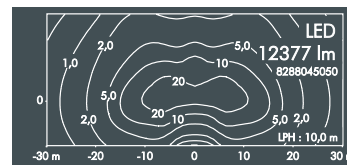
Fluxa B, asymmetrical beam, with prismatic glass, for reduced glare

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 289 045 069	black	9.7 kg	2 x LED module 79 W (158 W) neutral white (4000 K)	13843 lm	53°
8 289 065 069	white				
8 289 055 069	silver grey				



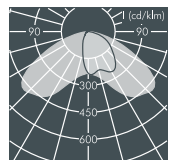
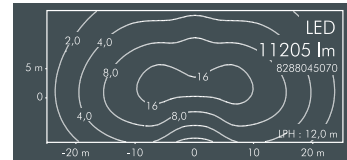
Fluxa B, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 288 045 059	black	9.7 kg	2 x LED module 70 W (140 W) neutral white (4000 K)	12377 lm	C 0 – 180	C 90 – 270
8 288 065 059	white				67°	124°
8 288 055 059	silver grey					

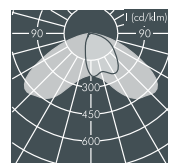
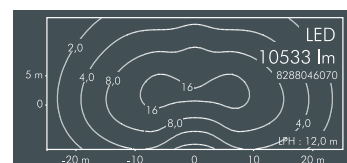


Fluxa B, wide beam, with prismatic glass, for reduced glare

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 288 045 079	black	9.7 kg	2 x LED module 70 W (140 W) neutral white (4000 K)	11205 lm	C 0 – 180	C 90 – 270
8 288 065 079	white				61°	133°
8 288 055 079	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 288 046 079	black	9.7 kg	2 x LED module 70 W (140 W) warm white (3000 K)	10533 lm	C 0 – 180	C 90 – 270
8 288 066 079	white				61°	133°
8 288 056 079	silver grey					



Part number	Description
... 6 ...	Luminaire with warm white LED module (3000 K)
... 1 ...	Dimmable luminaire (DALI)

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



Accessories Fluxa Mini/Fluxa A

Part number	Colour	Description
128 0 086 940	black	Corner fixing bracket B , aluminium, polyester powder coated, for mounting floodlights on 90° corners
128 0 086 960	white	
128 0 086 950	silver grey	



Fluxa Mini G

Description **Pole mount fitter** for one luminaire

Part number	Colour	Ø	Part number	Colour	Ø
122 0 207 940	black	60 mm	122 0 217 940	black	76 mm
122 0 207 960	white	60 mm	122 0 217 960	white	76 mm
122 0 207 950	silver grey	60 mm	122 0 217 950	silver grey	76 mm



Description **Pole mount fitter** for two luminaires

Part number	Colour	Ø	Part number	Colour	Ø
122 0 208 940	black	60 mm	122 0 218 940	black	76 mm
122 0 208 960	white	60 mm	122 0 218 960	white	76 mm
122 0 208 950	silver grey	60 mm	122 0 218 950	silver grey	76 mm



Part number Colour Description

Part number	Colour	Description
122 0 209 940	black	Pole adapter for one luminaire, for pole diameter 80 – 110 mm
122 0 209 960	white	
122 0 209 950	silver grey	



Fluxa A/B

Part number	Colour	Description
120 0 240 940	black	Universal pole clamp , aluminium, polyester powder coated, stainless steel bolts, for mounting on poles Ø 40 - 110 mm
120 0 240 960	white	
120 0 240 950	silver grey	



Part number	Colour	Description
128 0 287 940	black	Crossbar , for pole D1= 76 mm , for two luminaires, hot dip galvanized steel, polyester powder coated
128 0 287 960	white	
128 0 287 950	silver grey	
128 0 287 000	unpainted	Crossbar , for pole D1= 76 mm , for two luminaires, hot dip galvanized steel
128 0 552 940	black	Crossbar , for pole D1= 89 mm , for two luminaires, hot dip galvanized steel, polyester powder coated
128 0 552 960	white	
128 0 552 950	silver grey	
128 0 552 000	unpainted	Crossbar , for pole D1= 89 mm , for two luminaires, hot dip galvanized steel



Part number	Colour	Description
128 0 232 940	black	Wall plate B , aluminium, polyester powder coated, for additional support on unstable surfaces
128 0 232 960	white	
128 0 232 950	silver grey	



Fluxa A asymmetrical beam

Part number	Colour	Description
122 0 066 940	black	Louvre , stainless steel, to reduce lateral glare, for mounting on front of floodlight
122 0 066 960	white	
122 0 066 950	silver grey	



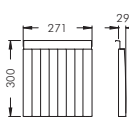
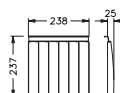
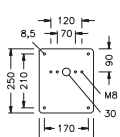
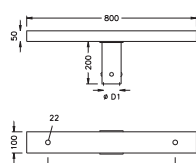
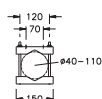
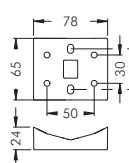
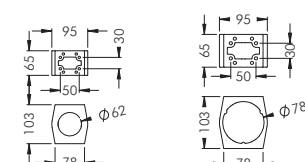
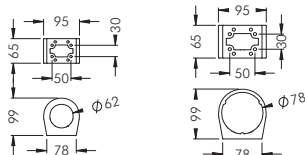
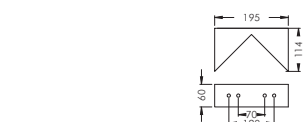
Fluxa B asymmetrical beam

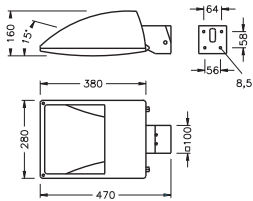
Part number	Colour	Description
122 0 354 940	black	Louvre , stainless steel, to reduce lateral glare, for mounting on front of floodlight
122 0 354 960	white	
122 0 354 950	silver grey	



Fluxa A (HIT) asymmetrical beam

Part number	Description
232 0 150 000	Glare shield 285 x 85 mm , continuously adjustable 45mm, to reduce glare from light reflected backwards



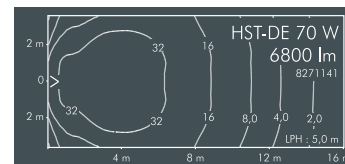
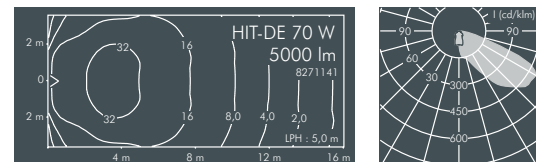


Fluxa AG

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 \blacklozenge \blacktriangle \blacktriangle , IK08 windage area AW 0.11 m² 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 \varnothing 8.5 mm, spacing 64 mm, 2 drilled holes \varnothing 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

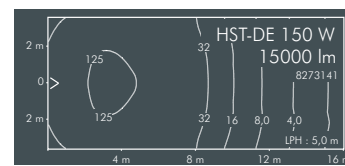
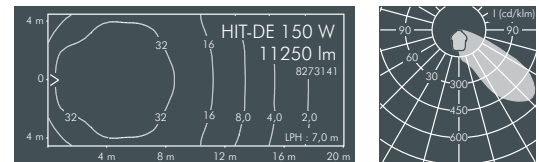
Fluxa AG 70 W, asymmetrical beam

Part number	Colour	Lamp	Lampholder	Weight	Main beam angle γ
8 271 141 009	black	HIT-DE 70 W	Rx7s	8.5 kg	60°
8 271 161 009	white	HIT-DE-CE 70 W			
8 271 151 009	silver grey	HST-DE 70 W			



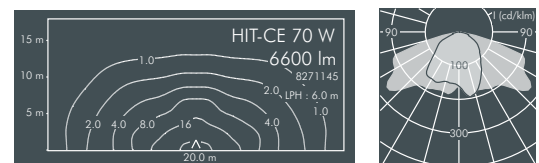
Fluxa AG 150 W, asymmetrical beam

Part number	Colour	Lamp	Lampholder	Weight	Main beam angle γ
8 273 141 009	black	HIT-DE 150 W	Rx7s	9.0 kg	45°
8 273 161 009	white	HIT-DE-CE 150 W			
8 273 151 009	silver grey	HST-DE 150 W			



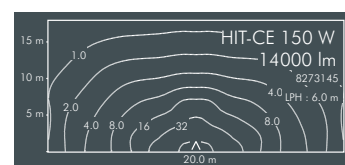
Fluxa AG 70 W, wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 271 145 009	black	HIT 70 W	G12	8.5 kg	82°	145°
8 271 165 009	white	HIT-CE 70 W				
8 271 155 009	silver grey					



Fluxa AG 150 W, wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 273 145 009	black	HIT 150 W	G12	9 kg	82°	145°
8 273 165 009	white	HIT-CE 150 W				
8 273 155 009	silver grey					



Lamps

HIT-DE



HIT-DE-CE



HST-DE





HIT

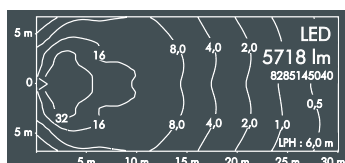
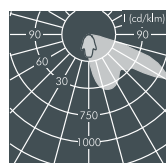
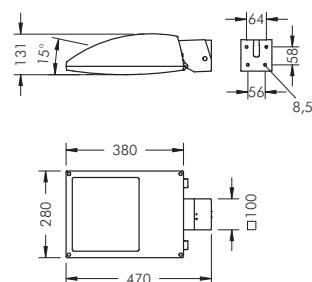


HIT-CE



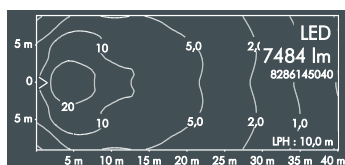
Fluxa AG

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 m²
 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)

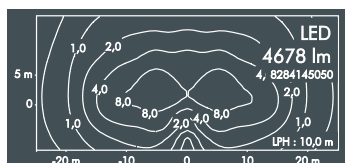
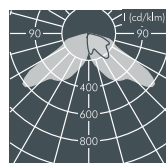


Fluxa AG, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 285 145 049	black	6.2 kg	1 x LED module 48 W neutral white (4000 K)	5718 lm	60°
8 285 165 049	white				
8 285 155 049	silver grey				

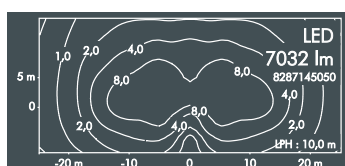


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 286 145 049	black	6.2 kg	1 x LED module 63 W neutral white (4000 K)	7484 lm	60°
8 286 165 049	white				
8 286 155 049	silver grey				



Fluxa AG, wide beam

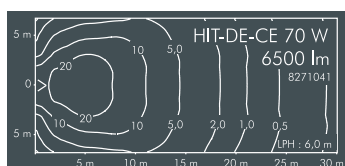
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 284 145 059	black	6.2 kg	2 x LED module 20 W (40 W) neutral white (4000 K)	4678 lm	72°	122°
8 284 165 059	white				72°	122°
8 284 155 059	silver grey				72°	122°



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 287 145 059	black	6.2 kg	2 x LED module 31 W (62 W) neutral white (4000 K)	7032 lm	72°	122°
8 287 165 059	white				72°	122°
8 287 155 059	silver grey				72°	122°

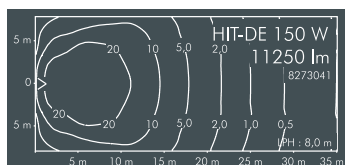
Part number	Description
. 6 . . .	Luminaire with warm white LED module (3000 K)
. 1 . .	Dimmable luminaire* DALI / StepDIM / AstroDIM
.6	Luminaire asymmetrical beam, with prismatic glass, for reduced glare
.7	Luminaire wide beam, with prismatic glass, for reduced glare

* 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



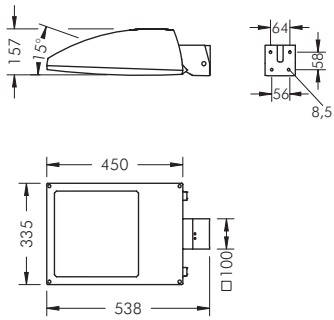
Lux level comparison HIT-DE 150 W / LED 63 W, asymmetrical beam

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



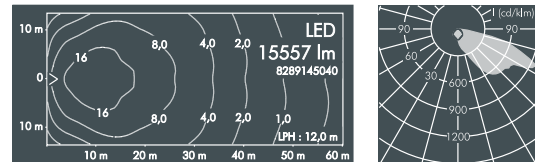


Fluxa BG

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 m²
 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)

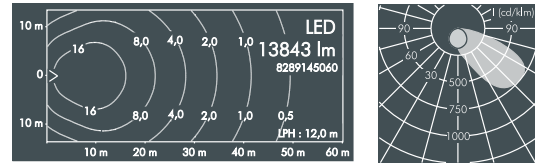
Fluxa BG, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 289 145 049	black	9.7 kg	2 x LED module 79 W (158 W) neutral white (4000 K)	15557 lm	65°
8 289 165 049	white				
8 289 155 049	silver grey				



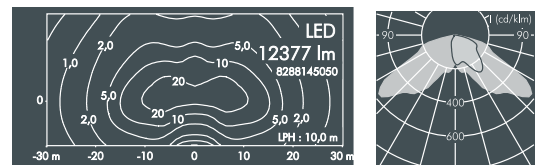
Fluxa BG, asymmetrical beam, with prismatic glass, for reduced glare

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 289 145 069	black	9.7 kg	2 x LED module 79 W (158 W) neutral white (4000 K)	13843 lm	53°
8 289 165 069	white				
8 289 155 069	silver grey				



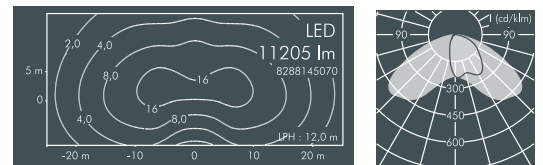
Fluxa BG, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 288 145 059	black	9.7 kg	2 x LED module 70 W (140 W) neutral white (4000 K)	12377 lm	C 0 – 180	C 90 – 270
8 288 165 059	white				67°	124°
8 288 155 059	silver grey					

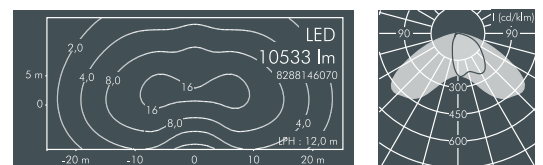


Fluxa BG, wide beam, with prismatic glass, for reduced glare

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 288 145 079	black	9.7 kg	2 x LED module 70 W (140 W) neutral white (4000 K)	11205 lm	C 0 – 180	C 90 – 270
8 288 165 079	white				61°	133°
8 288 155 079	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 288 146 079	black	9.7 kg	2 x LED module 70 W (140 W) warm white (3000 K)	10533 lm	C 0 – 180	C 90 – 270
8 288 166 079	white				61°	133°
8 288 156 079	silver grey					

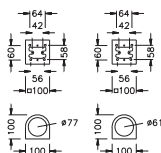


Part number	Description
... 6 ...	Luminaire with warm white LED module (3000 K)
... 1 ...	Dimmable luminaire (DALI)

LED (see page 247)

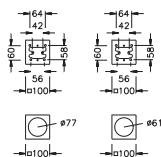
Luminaires available in 2700 K and other colour temperatures upon request



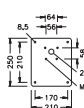


Accessories Fluxa AG/BG

Part number	Colour	Description
127 0 181 940	black	Pole top fitter for pole Ø 60 mm for one luminaire
127 0 181 960	white	
127 0 181 950	silver grey	
127 0 081 940	black	Pole top fitter for pole Ø 76 mm for one luminaire
127 0 081 960	white	
127 0 081 950	silver grey	

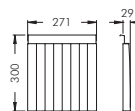


Part number	Colour	Description
127 0 182 940	black	Pole top fitter for pole Ø 60 mm for two luminaires
127 0 182 960	white	
127 0 182 950	silver grey	
127 0 082 940	black	Pole top fitter for pole Ø 76 mm for two luminaires
127 0 082 960	white	
127 0 082 950	silver grey	



Part number	Colour	Description
122 0 134 940	black	Wall plate G* , for one luminaire Fluxa AG, BG, aluminium, polyester powder coated, for additional support on unstable surfaces
122 0 134 960	white	
122 0 134 950	silver grey	

* Without the wall plate, stable installation is only possible on hard surfaces, e.g. metal. For installation on all normal surfaces, e.g. masonry, brick walls etc., the wall plate should be used.



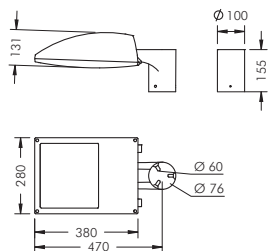
Fluxa BG asymmetrical beam

Part number	Colour	Description
122 0 354 940	black	Louvre , stainless steel, to reduce lateral glare, for mounting on front of floodlight
122 0 354 960	white	
122 0 354 950	silver grey	



Fluxa AG (HIT) asymmetrical beam

Part number	Description
232 0 150 000	Glare shield 285 x 85 mm, continuously adjustable 45mm, to reduce glare from light reflected backwards

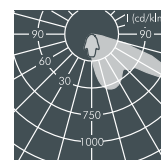


Fluxa A pole top luminaire, single configuration

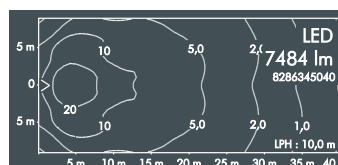
With high performance LED modules (Zhaga), integral temperature monitoring device, CRI: > 70, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67   , IK08
 wind area AW 0.11 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, highly 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 \varnothing 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
8 285 345 049	black	6.6 kg	1 x LED module 48 W neutral white (4000 K)	5718 lm	60°
8 285 365 049	white				
8 285 355 049	silver grey				

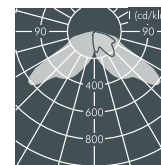
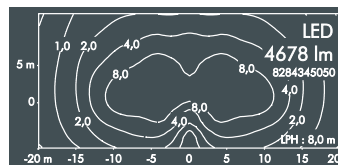


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 286 345 049	black	6.6 kg	1 x LED module 63 W neutral white (4000 K)	7484 lm	60°
8 286 365 049	white				
8 286 355 049	silver grey				

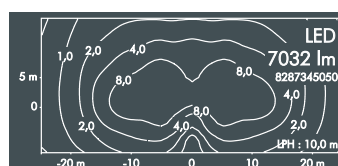


Fluxa A pole top luminaire, single configuration, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 284 345 059	black	6.6 kg	2 x LED module 20 W (40 W) neutral white (4000 K)	4678 lm	C 0 - 180	C 90 - 270
8 284 365 059	white				72°	122°
8 284 355 059	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 287 345 059	black	6.6 kg	2 x LED module 31 W (62 W) neutral white (4000 K)	7032 lm	C 0 - 180	C 90 - 270
8 287 365 059	white				72°	122°
8 287 355 059	silver grey					

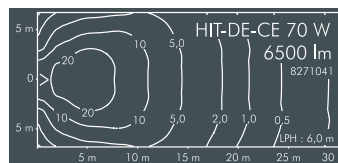


Part number	Description
. 6 . . .	Luminaire with warm white LED module (3000 K)
. 1 . .	Dimmable luminaire* DALI / StepDIM / AstroDIM
.6 . .	Luminaire asymmetrical beam, with prismatic glass, for reduced glare
.7 . .	Luminaire wide beam, with prismatic glass, for reduced glare

* Light control options see page 183

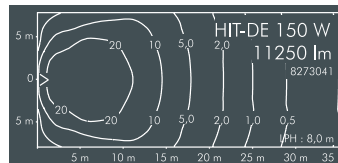
Lux level comparison HIT-DE 70 W / LED 48 W, asymmetrical beam

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






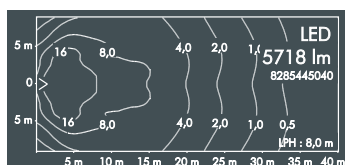
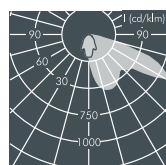
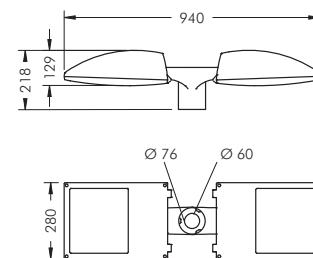
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



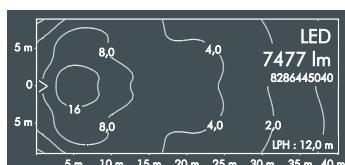
Fluxa A pole top luminaire, double configuration

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 m²
 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

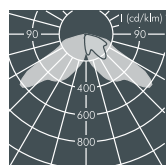


Fluxa A pole top luminaire, double configuration, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 285 445 049	black	12.3 kg	2 x 1 LED module 48 W	2 x 5718 lm	60°
8 285 465 049	white		(96 W)		
8 285 455 049	silver grey		neutral white (4000 K)		

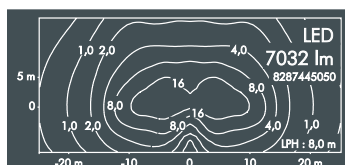


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 286 445 049	black	12.3 kg	2 x 1 LED module 63 W	2 x 7477 lm	60°
8 286 465 049	white		(126 W)		
8 286 455 049	silver grey		neutral white (4000 K)		



Fluxa A pole top luminaire, double configuration, wide beam

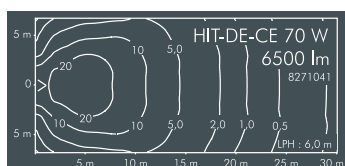
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 284 445 059	black	12.3 kg	2 x 2 LED module 20 W	2 x 4678 lm	C 0 – 180	C 90 – 270
8 284 465 059	white		(80 W)		72°	122°
8 284 455 059	silver grey		neutral white (4000 K)			



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 287 445 059	black	12.3 kg	2 x 2 LED module 31 W	2 x 7032 lm	C 0 – 180	C 90 – 270
8 287 465 059	white		(124 W)		72°	122°
8 287 455 059	silver grey		neutral white (4000 K)			

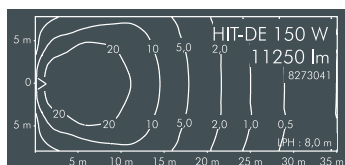
Part number	Description
. 6	Luminaire with warm white LED module (3000 K)
. 1	Dimmable luminaire* DALI / StepDIM / AstroDIM
.6	Luminaire asymmetrical beam, with prismatic glass, for reduced glare
.7	Luminaire wide beam, with prismatic glass, for reduced glare

* 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

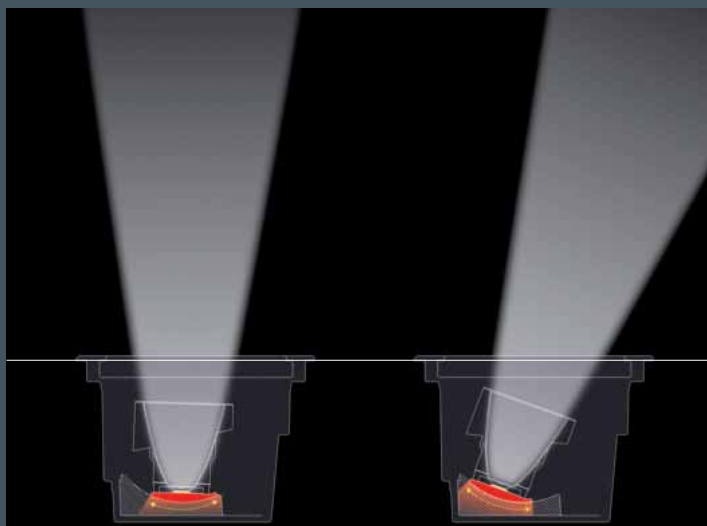
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





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.

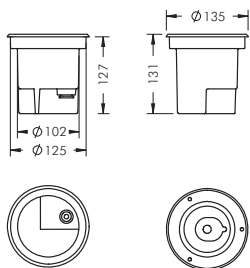


Residential Palace Rastatt

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.



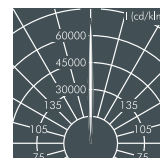
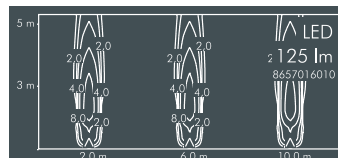


Uplight 135 adjustable optics

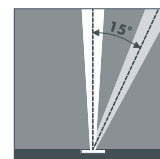
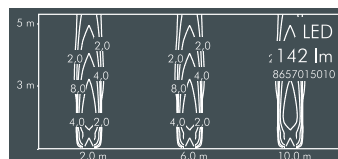
With high performance LED,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 Protection class I, IP67 \blacklozenge \blacklozenge \blacklozenge , IK10
 corrosion-resistant cast aluminium housing AlSi12,
 double polyester powder coated,
 LED board adjustable 0-15°, lockable,
 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)
8 657 016 019	1.6 kg	1 x LED 3 W warm white (3000 K)	125 lm	0 – 15°	4°



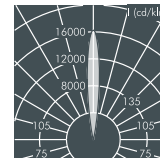
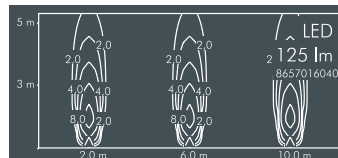
Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 657 015 019	1.6 kg	1 x LED 3 W neutral white (4000 K)	142 lm	0 – 15°	4°



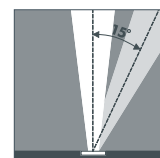
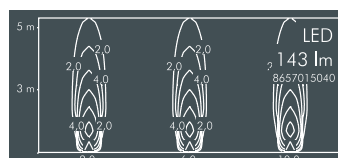
* Recommended wall distance 0.1 m

Uplight 135, adjustable optics, medium wide beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 657 016 049	1.6 kg	1 x LED 3 W warm white (3000 K)	125 lm	0 – 15°	13°



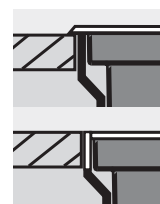
Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 657 015 049	1.6 kg	1 x LED 3 W neutral white (4000 K)	143 lm	0 – 15°	13°



Part number	Description
8 658	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 205 060)

Accessories Uplight 135

Part number	Description
126 0 205 000	Installation sleeve* , polypropylene, for luminaire with overlapping trim (for luminaires 8 657) * If necessary can be shortened on site.
126 0 205 060	Installation sleeve* , polypropylene, for luminaire with trim for flush mounting (for luminaires 8 658) * If necessary can be shortened on site.
226 0 161 000	Connection box , for single connection to luminaire or for through wiring with buried cable. For luminaires supplied with cable and installation sleeve (recess box).






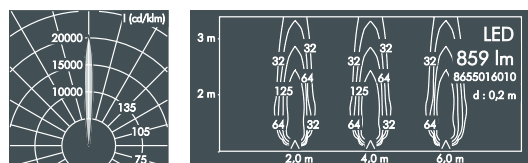
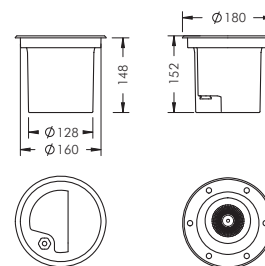
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



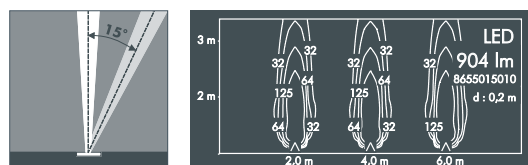
Uplight 180 adjustable optics

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 AlSi 12, 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)

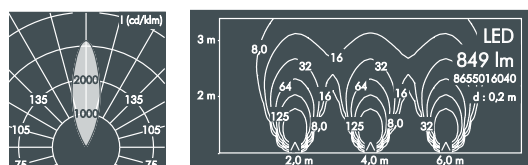


Uplight 180, adjustable optics, narrow beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 655 016 019	2.6 kg	1 x LED module 11 W warm white (3000 K)	859 lm	0 - 15°	8°

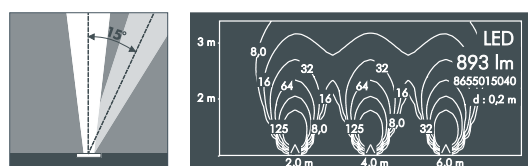


Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 655 015 019	2.6 kg	1 x LED module 11 W neutral white (4000 K)	904 lm	0 - 15°	8°

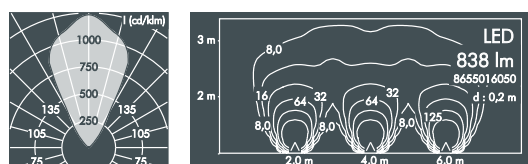


Uplight 180, adjustable optics, medium wide beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 655 016 049	2.6 kg	1 x LED module 11 W warm white (3000 K)	849 lm	0 - 15°	31°

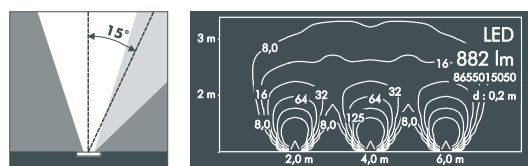


Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 655 015 049	2.6 kg	1 x LED module 11 W neutral white (4000 K)	893 lm	0 - 15°	31°



Uplight 180, adjustable optics, wide beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 655 016 059	2.6 kg	1 x LED module 11 W warm white (3000 K)	838 lm	0 - 15°	55°



Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 655 015 059	2.6 kg	1 x LED module 11 W neutral white (4000 K)	882 lm	0 - 15°	55°

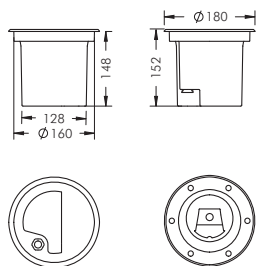
Part number	Description
... 1 ...	Luminaire with slip resistant glass (R13 according to DIN EN 51130) The light distribution becomes more diffuse.
... .. 1 ..	Dimmable luminaire (DALI)
8 656	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 371 060)

LED (see page 247)


Luminaires available in 2700 K and other colour temperatures upon request



Accessories see page 203

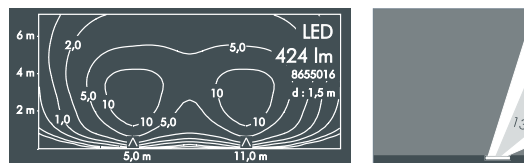
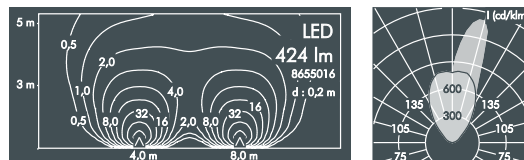


Uplight 180 adjustable optics, wall washer

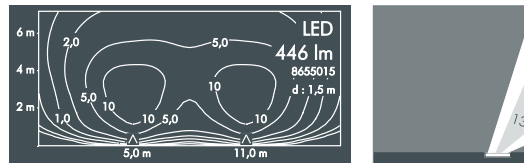
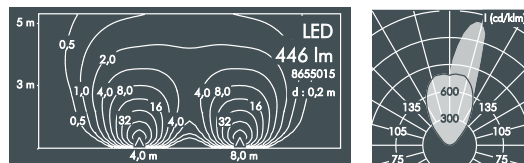
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, colour tolerance: 3 SDCM service life: L80/B20 > 50 000 h Protection class I, IP68 (1.5 m) , IK10 corrosion-resistant cast aluminium housing AlSi12, double polyester powder coated, highly efficient aluminium 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)	
8 655 016 009	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)	
8 655 015 009	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
. 1	Luminaire with slip resistant glass (R13 according to DIN EN 51130) The light distribution becomes more diffuse.
. 1 . .	Dimmable luminaire (DALI)
8 656	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 371 060)



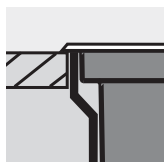
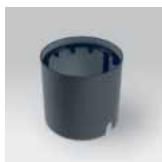
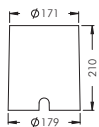
The adjustable glare shield reduces spill light and light pollution.

Accessories see page 203

LED (see page 247)

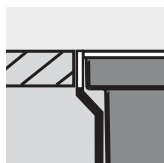
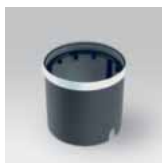
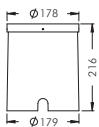
Luminaires available in 2700 K and other colour temperatures upon request



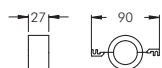


Accessories Uplight 180

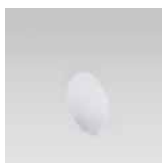
Part number	Description
126 0 371 000	Installation sleeve , polypropylene, for luminaire with overlapping trim (for luminaires 8 655)



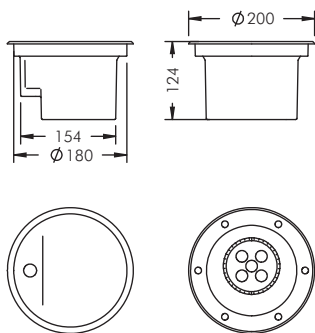
Part number	Description
126 0 371 060	Installation sleeve , polypropylene, for luminaire with trim for flush mounting (for luminaires 8 656)



Uplight 180, adjustable optics (narrow beam, medium wide beam, wide beam)	
Part number	Description
126 0 372 940	Radial louvre to reduce lateral glare



Part number	Description
126 0 340 000	Ribbed glass for linear beam control, continuously adjustable through 360°

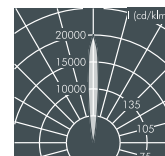
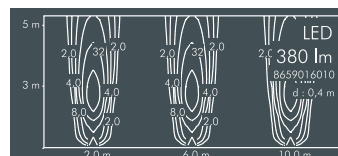


Uplight 200 gimbal mounted

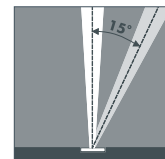
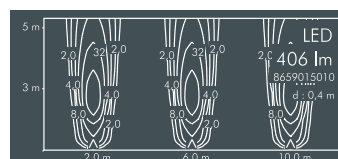
With high performance LEDs,
integral temperature monitoring device,
CRI: > 80, Colour tolerance: max. 2 SDCM
Service life: L90/B10 > 50 000 h
protection class I, IP67 \blacklozenge \blacktriangle \blacktriangledown , IK10
corrosion-resistant cast aluminium housing AlSi12,
double powder coated,
precise 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 ϕ 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 γ (FWHM)
8 659 016 019	3.3 kg	5 x LED 1 W (5 W) warm white (3000 K)	380 lm	0 – 15°	10°

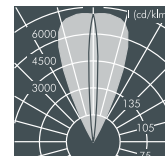
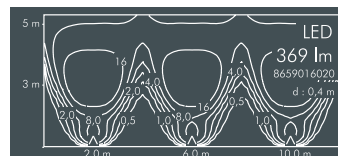


Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 659 015 019	3.3 kg	5 x LED 1 W (5 W) neutral white (4000 K)	406 lm	0 – 15°	10°

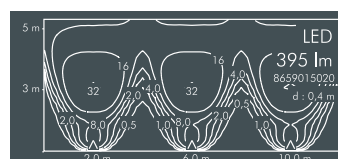


Uplight 200, gimbal mounted, linear beam spread

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 659 016 029	3.3 kg	5 x LED 1 W (5 W) warm white (3000 K)	369 lm	0 – 15°	8°	47°

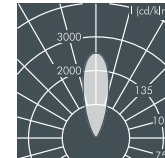
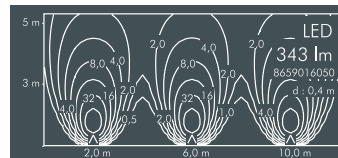


Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 659 015 029	3.3 kg	5 x LED 1 W (5 W) neutral white (4000 K)	395 lm	0 – 15°	8°	47°

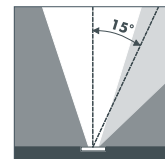
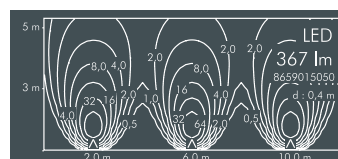


Uplight 200, gimbal mounted, wide beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 659 016 059	3.3 kg	5 x LED 1 W (5 W) warm white (3000 K)	343 lm	0 – 15°	33°



Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 659 015 059	3.3 kg	5 x LED 1 W (5 W) neutral white (4000 K)	367 lm	0 – 15°	33°



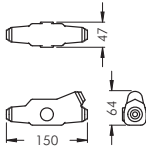
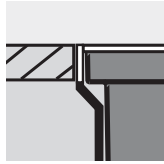
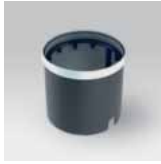
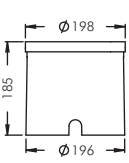
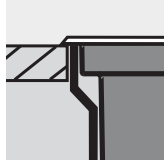
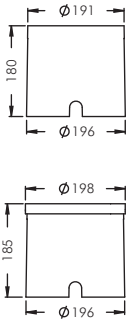
Part number	Description
. . . . 1	Luminaire with slip resistant glass (R13 according to DIN EN 51130) The light distribution becomes more diffuse.
8 660	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 232 060)

Accessories see page 205

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



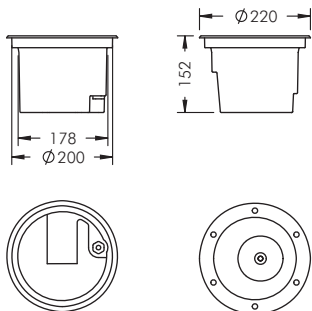


Accessories Uplight 200

Part number	Description
126 0 232 000	Installation sleeve , polypropylene, for luminaire with overlapping trim (for luminaires 8 659)

Part number	Description
126 0 232 060	Installation sleeve , polypropylene, for luminaire with trim for flush mounting (for luminaires 8 660)

Part number	Description
226 0 161 000	Connection box , for single connection to luminaire or for through wiring with buried cable. For luminaires supplied with cable and installation sleeve (recess box).

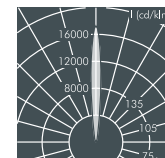
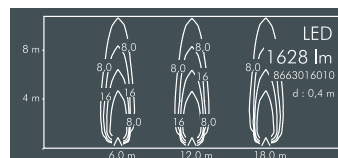


Uplight 220 adjustable optics

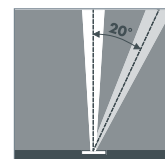
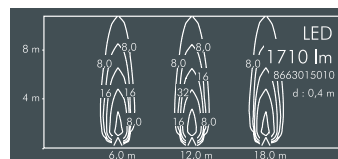
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP68 (1.5 m) , IK10
 corrosion-resistant cast aluminium housing AlSi12, double powder coated,
 highly efficient aluminium reflector,
 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)
8 663 016 019	3.8 kg	1 x LED module 19 W warm white (3000 K)	1628 lm	0 – 20°	9°

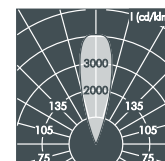
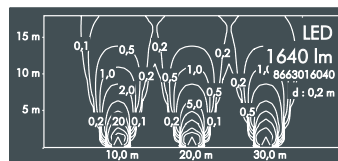


Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 663 015 019	3.8 kg	1 x LED module 19 W neutral white (4000 K)	1710 lm	0 – 20°	9°

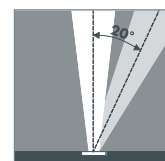
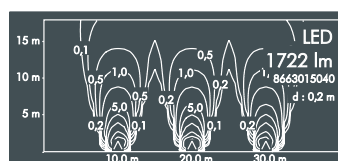


Uplight 220, adjustable optics, medium wide beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 663 016 049	3.8 kg	1 x LED module 19 W warm white (3000 K)	1640 lm	0 – 20°	30°

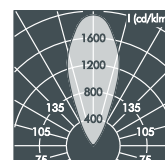
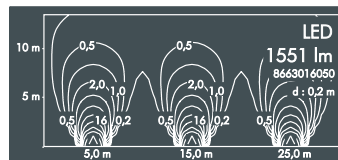


Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 663 015 049	3.8 kg	1 x LED module 19 W neutral white (4000 K)	1722 lm	0 – 20°	30°

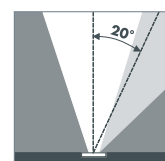
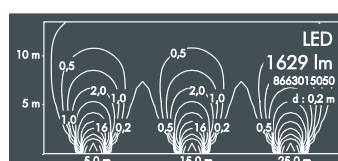


Uplight 220, adjustable optics, wide beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 663 016 059	3.8 kg	1 x LED module 19 W warm white (3000 K)	1551 lm	0 – 20°	42°



Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 663 015 059	3.8 kg	1 x LED module 19 W neutral white (4000 K)	1629 lm	0 – 20°	42°



Part number	Description
... 1 ...	Luminaire with slip resistant glass (R13 according to DIN EN 51130) The light distribution becomes more diffuse.
... 1 ..	Dimmable version (DALI)
... 2 ..	Dimmable version (1-10 V)
8 664 ...	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 338 060)


Accessories see page 208

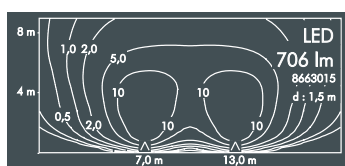
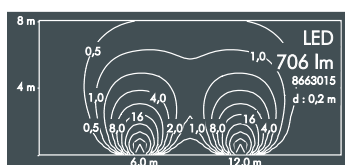
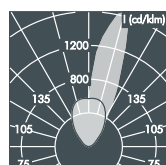
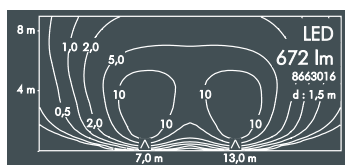
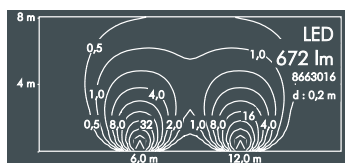
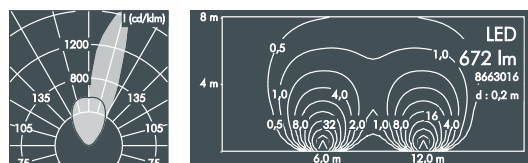
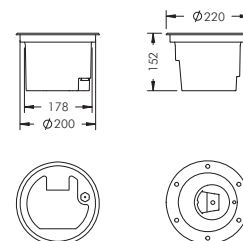
LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request



Uplight 220 adjustable optics, wall washer

With a 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)	
8 663 016 009	3.8 kg	1 x LED module 19 W warm white (3000 K)	672 lm	0 - 20°	C 0 - 180 25°	C 90 - 270 75°

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
8 663 015 009	3.8 kg	1 x LED module 19 W neutral white (4000 K)	706 lm	0 - 20°	C 0 - 180 25°	C 90 - 270 75°

Part number	Description
. . . . 1	Luminaire with slip resistant glass (R13 according to DIN EN 51130) The light distribution becomes more diffuse.
. 1 . .	Dimmable luminaire (DALI)
. 2 . .	Dimmable luminaire (1-10 V)
8 664	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 338 060)

The adjustable glare shield reduces spill light and light pollution.



LED (see page 247)

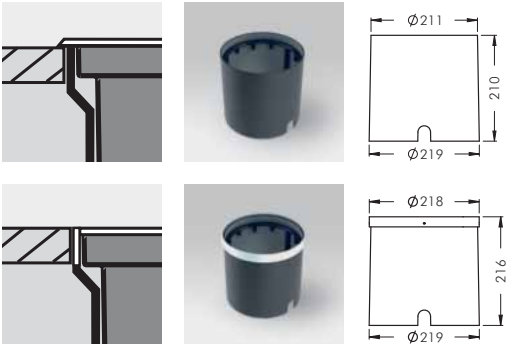
luminaires available in 2700 K or other colour temperatures upon request



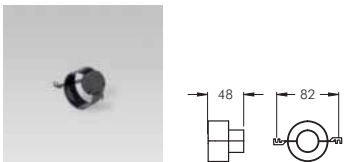
Accessories see page 208

Accessories Uplight 220	
Part number	Description
126 0 338 000	Polypropylene installation sleeve , for luminaires with overlapping trim ring (for luminaires 8 663)

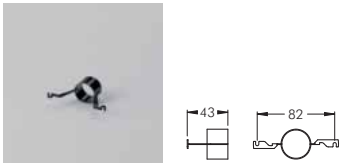
Part number	Description
126 0 338 060	Polypropylene installation sleeve , for luminaires with trim ring for flush mounting (for luminaires 8 664)



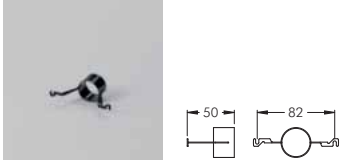
Uplight 220, adjustable optics, narrow beam	
Part number	Description
126 0 339 940	Radial louvre , to reduce lateral glare



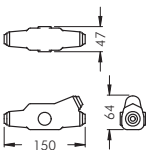
Uplight 220, adjustable optics, medium wide beam	
Part number	Description
126 0 378 940	Radial louvre , to reduce lateral glare



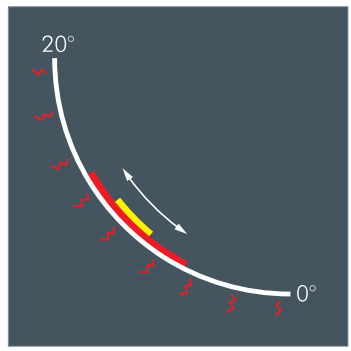
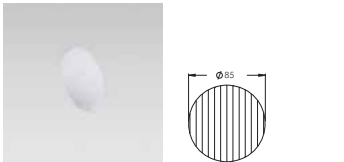
Uplight 220, adjustable optics, wide beam	
Part number	Description
126 0 379 940	Radial louvre , to reduce lateral glare



Part number	Description
226 0 161 000	Connection box , for single connection to luminaire or for through wiring with buried cable. For luminaires supplied with cable and installation sleeve (recess box).




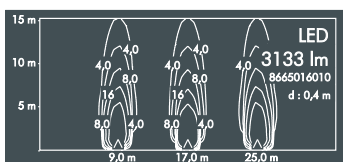
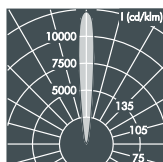
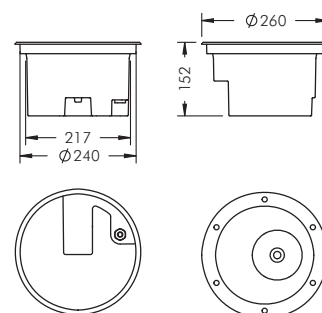
Uplight 220, adjustable optics, narrow beam		Half beam angle γ	
Part number	Description	C 0-180	C 90-270
126 0 340 000	Ribbed glass spreader lense , for linear beam control, continuously adjustable through 360°	10°	41°



Luminaire with integral Heatslide mechanism

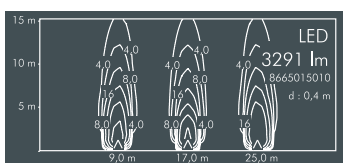
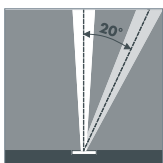
Uplight 260 adjustable optics

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 AISi 12, 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

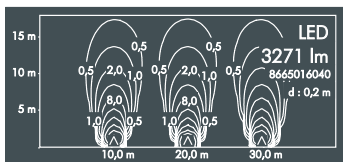
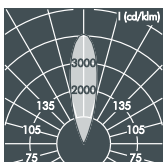


Uplight 260, adjustable optics, narrow beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 016 019	5.0 kg	1 x LED module 36 W warm white (3000 K)	3133 lm	0 – 20°	11°

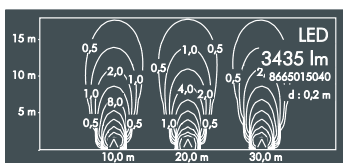
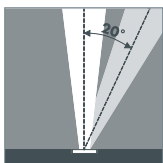


Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 015 019	5.0 kg	1 x LED module 36 W neutral white (4000 K)	3291 lm	0 – 20°	11°

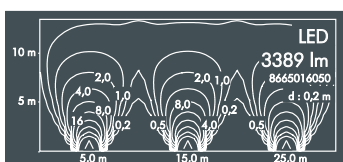
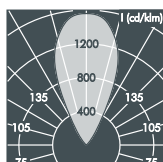


Uplight 260, adjustable optics, medium wide beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 016 049	5.0 kg	1 x LED module 36 W warm white (3000 K)	3271 lm	0 – 20°	27°

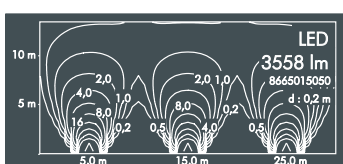
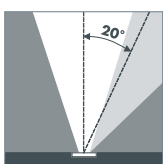


Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 015 049	5.0 kg	1 x LED module 36 W neutral white (4000 K)	3435 lm	0 – 20°	27°



Uplight 260, adjustable optics, wide beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 016 059	5.0 kg	1 x LED module 36 W warm white (3000 K)	3389 lm	0 – 20°	49°



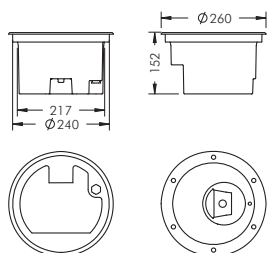
Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 015 059	5.0 kg	1 x LED module 36 W neutral white (4000 K)	3558 lm	0 – 20°	49°

Part number	Description
... 1 ...	Luminaire with slip resistant glass (R13 according to DIN EN 51130) The light distribution becomes more diffuse.
... 1 ..	Dimmable luminaire (DALI)
... 2 ..	Dimmable luminaire (1-10 V)
8 666 ...	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 341 060)

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



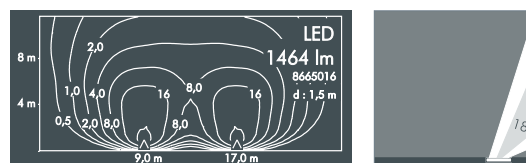
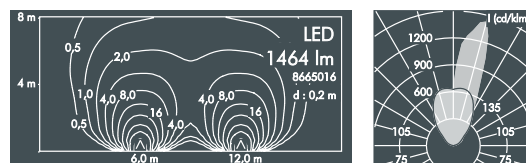


Uplight 260 adjustable optics, wall washer

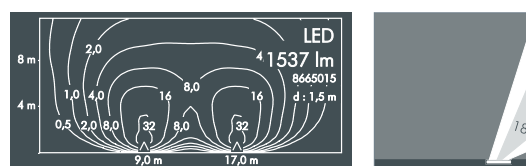
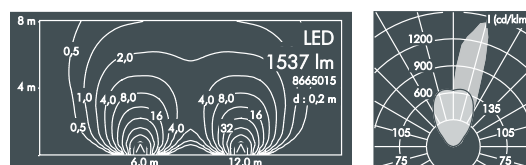
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 85, colour tolerance: 2 SDCM service life: L90/B10 > 50 000 h Protection class I, IP68 (1.5 m) \diamond \blacktriangle \blacktriangleleft \blacktriangleright , IK10 corrosion-resistant cast aluminium housing AlSi12, 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)	
8 665 016 009	5.7 kg	1 x LED module 36 W warm white (3000 K)	1464 lm	0 – 18°	C 0 – 180 20°	C 90 – 270 78°



Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
8 665 015 009	5.7 kg	1 x LED module 36 W neutral white (4000 K)	1537 lm	0 – 18°	C 0 – 180 20°	C 90 – 270 78°



Part number	Description
. 1	Luminaire with slip resistant glass (R13 according to DIN EN 51130) The light distribution becomes more diffuse.
. 1	Dimmable luminaire (DALI)
. 2	Dimmable luminaire (1-10 V)
8 666	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 341 060)



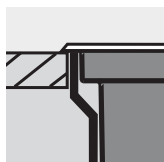
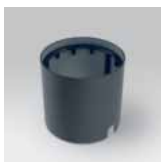
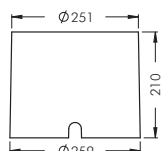
The adjustable glare shield reduces spill light and light pollution.

Accessories see page 211

LED (see page 247)

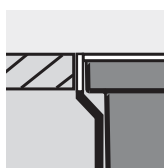
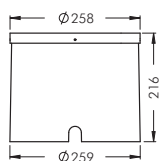
Luminaires available in 2700 K or other colour temperatures upon request



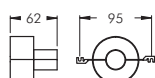


Accessories Uplight 260

Part number	Description
126 0 341 000	Polypropylene installation sleeve , for luminaires with overlapping trim ring (for luminaires 8 665)

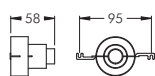


Part number	Description
126 0 341 060	Polypropylene installation sleeve , for luminaires with trim ring for flush mounting (for luminaires 8 666)



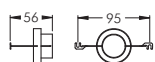
Uplight 260, adjustable optics, narrow beam

Part number	Description
126 0 342 940	Radial louvre , to reduce lateral glare



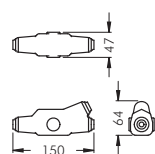
Uplight 260, adjustable optics, medium wide beam

Part number	Description
126 0 380 940	Radial louvre , to reduce lateral glare

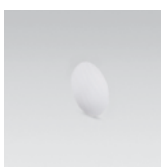


Uplight 260, adjustable optics, wide beam

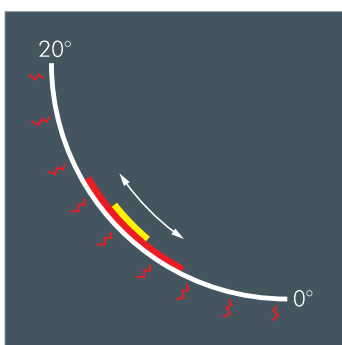
Part number	Description
126 0 381 940	Radial louvre , to reduce lateral glare



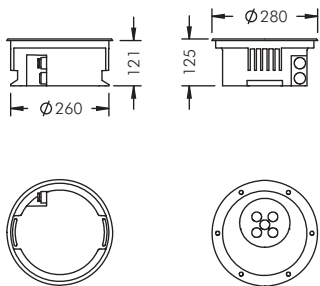
Part number	Description
226 0 161 000	Connection box , for single connection to luminaire or for through wiring with buried cable. For luminaires supplied with cable and installation sleeve (recess box).



Uplight 260, adjustable optics, narrow beam		Half beam angle γ	
Part number	Description	C 0-180	C 90-270
126 0 343 000	Ribbed glass spreader lens , for linear beam control, continuously adjustable through 360°	12°	60°



Luminaire with integral Heatslide mechanism

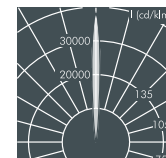
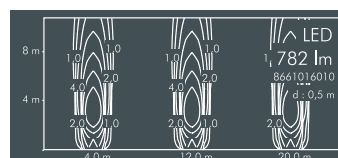


Uplight 280 adjustable optics

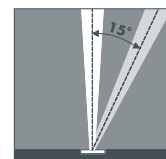
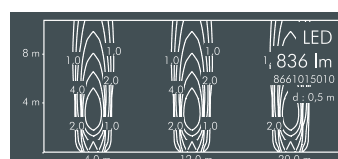
With high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP67 $\blacklozenge\blacklozenge\blacklozenge$, IK10 corrosion-resistant cast aluminium housing AlSi12, double powder coated, precise PMMA 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)
8 661 016 019	5.6 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	782 lm	0 – 15°	7°

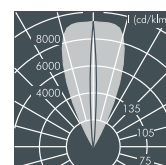
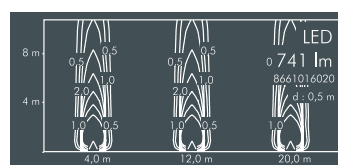


Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 661 015 019	5.6 kg	5 x LED 2.5 W (13 W) neutral white (4000 K)	836 lm	0 – 15°	7°



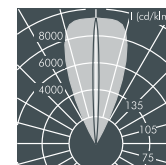
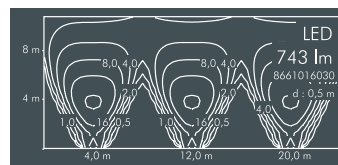
Uplight 280, adjustable optics, linear beam spread, vertical

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 661 016 029	5.6 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	741 lm	0 – 15°	46°	6°
8 661 015 029	5.6 kg	5 x LED 2.5 W (13 W) neutral white (4000 K)	793 lm	0 – 15°	46°	6°



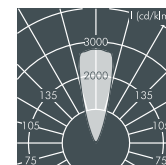
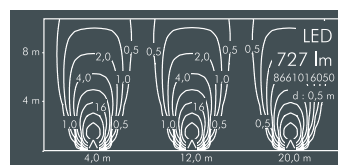
Uplight 280, adjustable optics, linear beam spread, horizontal

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
					C 0 – 180	C 90 – 270
8 661 016 039	5.6 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	743 lm	0 – 15°	6°	46°
8 661 015 039	5.6 kg	5 x LED 2.5 W (13 W) neutral white (4000 K)	796 lm	0 – 15°	6°	46°

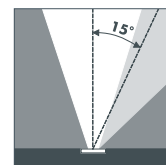
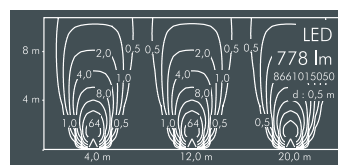


Uplight 280, adjustable optics, wide beam

Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 661 016 059	5.6 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	727 lm	0 – 15°	33°



Part number	Weight	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 661 015 059	5.6 kg	5 x LED 2.5 W (13 W) neutral white (4000 K)	778 lm	0 – 15°	33°



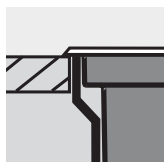
Part number	Description
. . . . 1	Luminaire with slip resistant glass (R13 according to DIN EN 51130) The light distribution becomes more diffuse.
. 1 . .	Dimmable luminaire (DALI)
. 2 . .	Dimmable luminaire (1-10 V)
8 662	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 160 060)

Accessories see page 213

LED (see page 247)

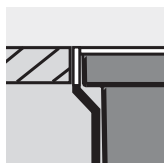
Luminaires available in 2700 K and other colour temperatures upon request



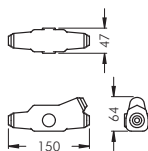


Accessories Uplight 280

Part number	Description
126 0 160 000	Polypropylene installation sleeve , for luminaires with overlapping trim ring (for luminaires 8 661)



Part number	Description
126 0 160 060	Polypropylene installation sleeve , for luminaires with trim ring for flush mounting (for luminaires 8 662)



Part number	Description
226 0 161 000	Connection box , for single connection to luminaire or for through wiring with buried cable. 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





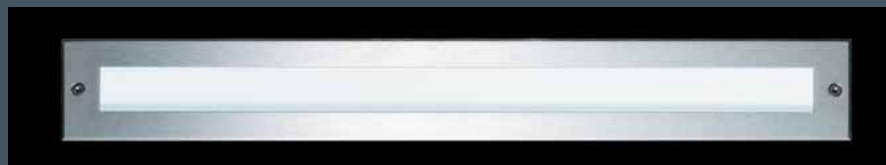
Wall washer optics for
façade illumination from
a short distance.

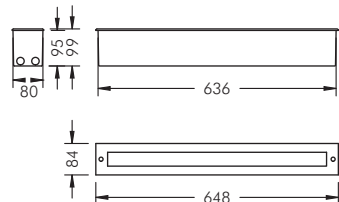


Asymmetrical optics for
façade illumination from
a greater distance.



Orientation luminaire with
diffuse light distribution.



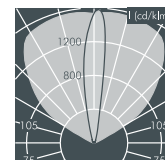
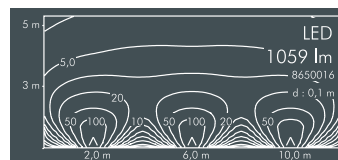


Upline 600

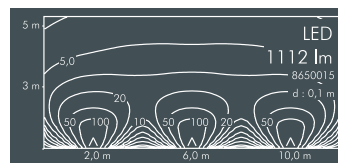
With high performance LEDs,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 $\blacklozenge \blacklozenge \blacklozenge$, IK10
 corrosion-resistant die cast aluminium housing AlSi12,
 double powder coated,
 precise PMMA optics,
 tempered safety glass 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 γ (FWHM)	
				C 0 – 180	C 90 – 270
8 650 016 009	3.6 kg	6 x LED 2.5 W (15 W) warm white (3000 K)	1059 lm	12°	108°

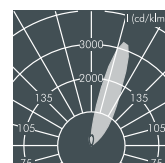
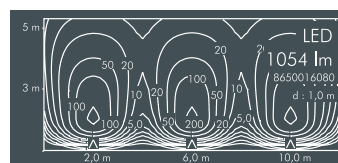


Part number	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 650 015 009	3.6 kg	6 x LED 2.5 W (15 W) neutral white (4000 K)	1112 lm	12°	108°

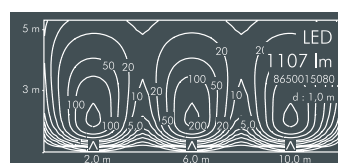


Upline 600, asymmetrical beam

Part number	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
				36°	
8 650 016 089	3.6 kg	6 x LED 2.5 W (15 W) warm white (3000 K)	1054 lm	36°	



Part number	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
				36°	
8 650 015 089	3.6 kg	6 x LED 2.5 W (15 W) neutral white (4000 K)	1107 lm	36°	

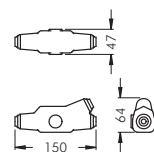


Part number	Description
. 1..	Dimmable luminaire (DALI)
. 2..	Dimmable luminaire (1-10 V)

The plastic recess housing can be supplied separately before the luminaire installation.

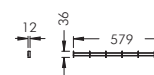
Accessories Upline 600, wall washer and asymmetrical beam

Part number	Description
226 0 161 000	Cast-resin connection box , 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
126 0 350 940	Louvre , stainless steel, to avoid glare



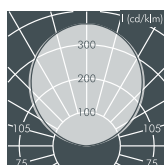
LED (see page 247)

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 $\blacklozenge\blacklozenge\blacklozenge$, IK10
 corrosion-resistant die cast aluminium housing AISi12,
 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)



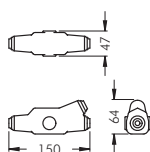
Upline 600 orientation luminaire

Part number	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 650 016 099	3.6 kg	2 x LED linear modules 9.5 W (19 W) warm white (3000 K)	566 lm	C 0 – 180 108°	C 90 – 270 112°

Part number	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 650 015 099	3.6 kg	2 x LED linear modules 9.5 W (19 W) neutral white (4000 K)	584 lm	C 0 – 180 108°	C 90 – 270 112°

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

The plastic recess housing can be supplied separately before the luminaire installation.



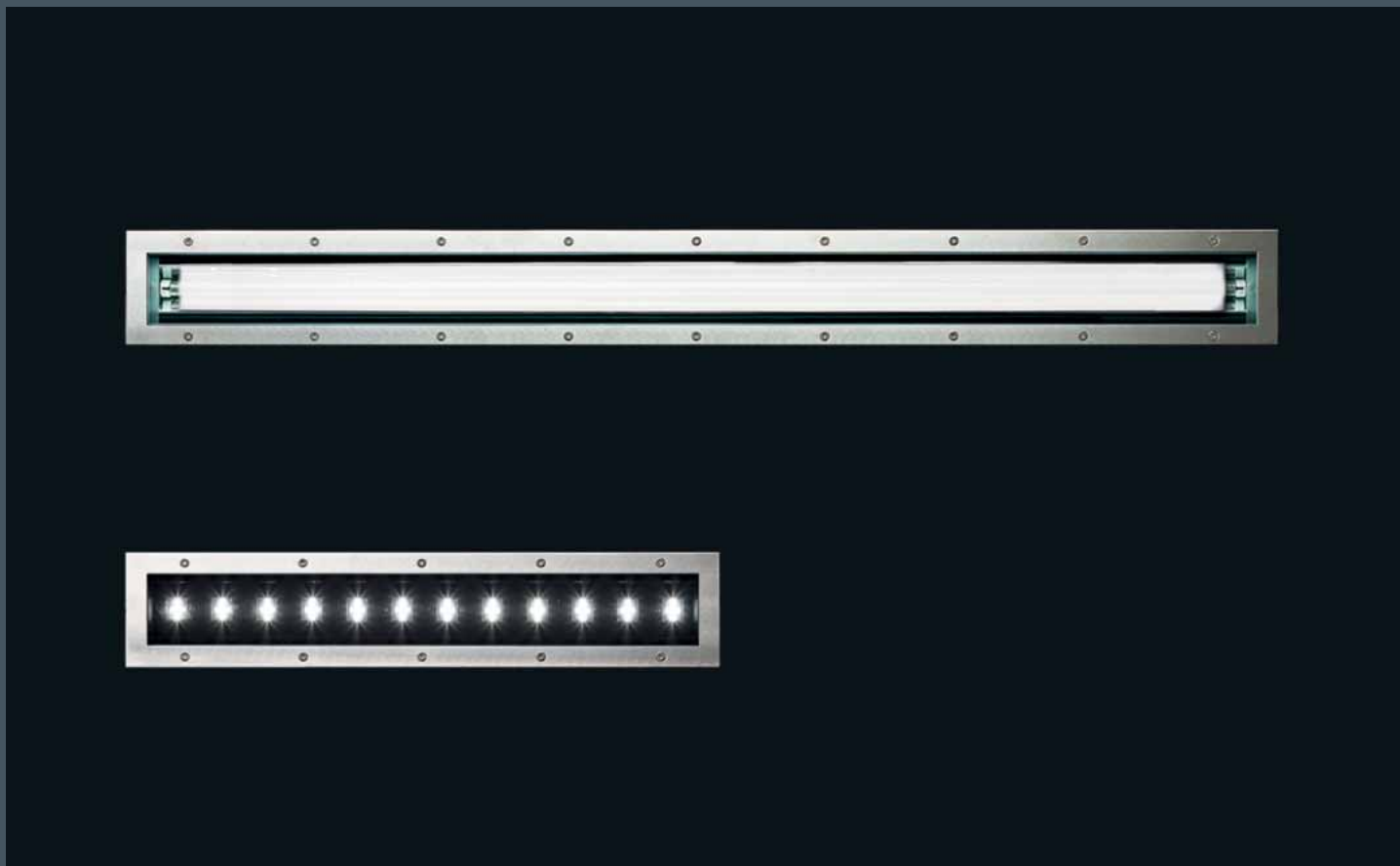
Accessories Upline 600 orientation luminaire

Part number	Description
226 0 161 000	Cast-resin connection box , 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

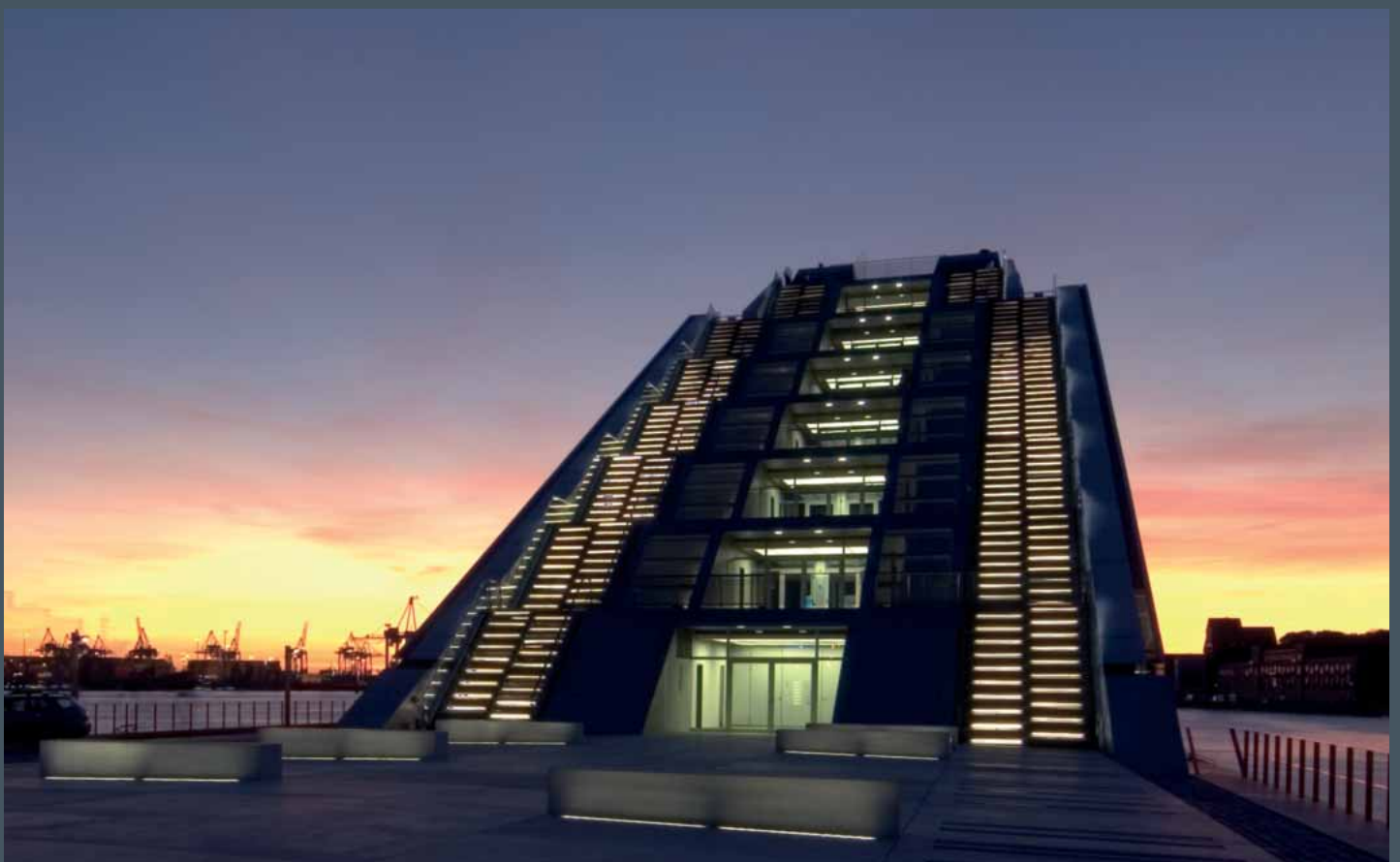


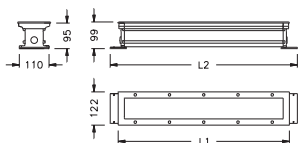


The linear ground-recessed luminaires are available in 4 lengths with LEDs and for T16 lamps, with symmetrical and asymmetrical reflectors. The robust design and execution ensure long-lasting service even under harsh conditions.



Dockland Hamburg/Germany
Architecture: BRT Architekten
Lighting design: Christian Feck



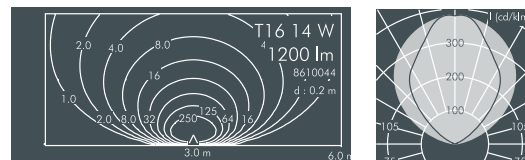


Upline linear wall washer

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

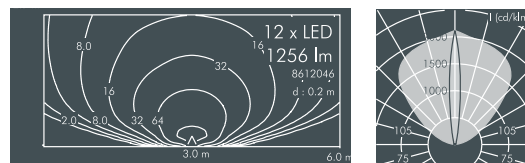
Upline linear, wide beam, L1 = 635 mm, L2 = 695 mm

Part number	Weight	Lamp	Lampholder	Beam angle γ (FWHM)	
8 610 044 009	7.1 kg	T16 14/24 W	G5	C 0 – 180 82°	C 90 – 270 109°



Upline linear, wall washer, L1 = 635 mm, L2 = 695 mm

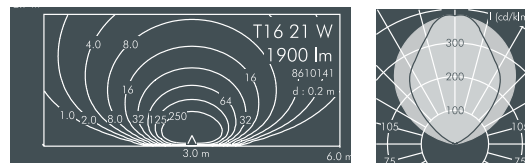
Part number*	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 612 046 009	8.1 kg	12 x LED 2.2 W (26 W) warm white (3000 K)	1256 lm	C 0 – 180 10°	C 90 – 270 99°



*These luminaires are also available with neutral white LEDs (4000 K) upon request.

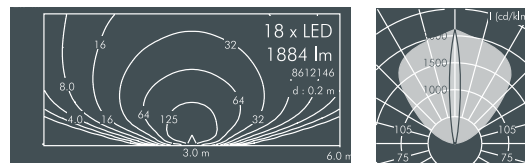
Upline linear, wide beam, L1 = 935 mm, L2 = 995 mm

Part number	Weight	Lamp	Lampholder	Beam angle γ (FWHM)	
8 610 141 009	9.4 kg	T16 21/39 W	G5	C 0 – 180 82°	C 90 – 270 109°



Upline linear, wall washer, L1 = 935 mm, L2 = 995 mm

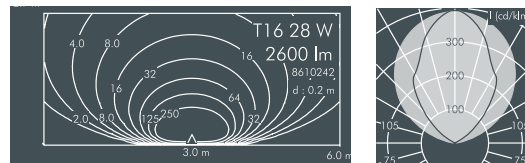
Part number*	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 612 146 009	10.4 kg	18 x LED 2.2 W (40 W) warm white (3000 K)	1884 lm	C 0 – 180 10°	C 90 – 270 99°



*These luminaires are also available with neutral white LEDs (4000 K) upon request.

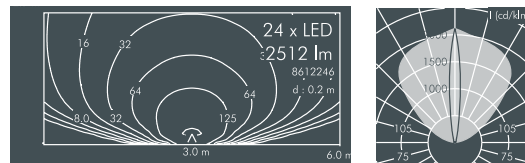
Upline linear, wide beam, L1 = 1235 mm, L2 = 1295 mm

Part number	Weight	Lamp	Lampholder	Beam angle γ (FWHM)	
8 610 242 009	11.7 kg	T16 28/54 W	G5	C 0 – 180 82°	C 90 – 270 109°



Upline linear, wall washer, L1 = 1235 mm, L2 = 1295 mm

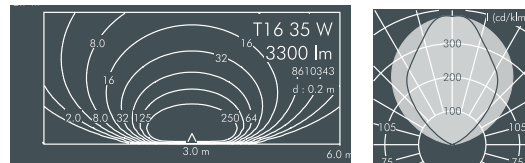
Part number*	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 612 246 009	12.7 kg	24 x LED 2.2 W (53 W) warm white (3000 K)	2512 lm	C 0 – 180 10°	C 90 – 270 99°



*These luminaires are also available with neutral white LEDs (4000 K) upon request.

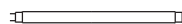
Upline linear, wide beam, L1 = 1535 mm, L2 = 1595 mm

Part number	Weight	Lamp	Lampholder	Beam angle γ (FWHM)	
8 610 343 009	14.0 kg	T16 35/49/80 W	G5	C 0 – 180 82°	C 90 – 270 109°



Lamps

T16

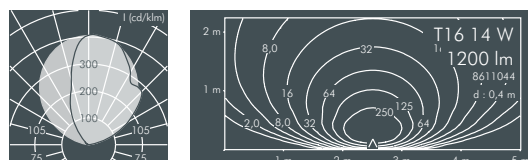
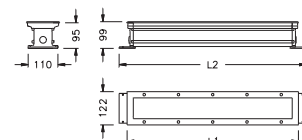


LED (see page 247)



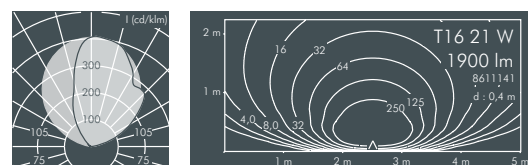
Upline linear asymmetrical wide beam

For T16 fluorescent lamps
 protection class I, IP67 \blacklozenge \blacktriangle \blacktriangledown , 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



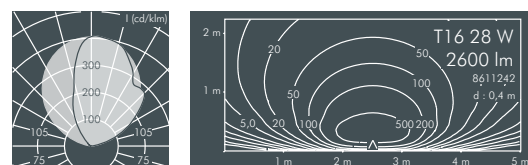
Upline linear, asymmetrical wide beam, L1 = 635 mm, L2 = 695 mm

Part number	Weight	Lamp	Lampholder	Beam angle γ (FWHM)	
8 611 044 009	7.1 kg	T16 14/24 W	G5	C 0 - 180	C 90 - 270
				74°	105°



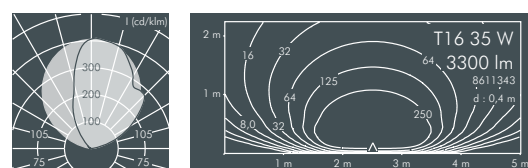
Upline linear, asymmetrical wide beam, L1 = 935 mm, L2 = 995 mm

Part number	Weight	Lamp	Lampholder	Beam angle γ (FWHM)	
8 611 141 009	9.4 kg	T16 21/39 W	G5	C 0 - 180	C 90 - 270
				74°	105°



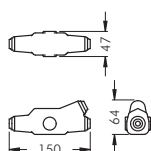
Upline linear, asymmetrical wide beam, L1 = 1235 mm, L2 = 1295 mm

Part number	Weight	Lamp	Lampholder	Beam angle γ (FWHM)	
8 611 242 009	11.7 kg	T16 28/54 W	G5	C 0 - 180	C 90 - 270
				74°	105°



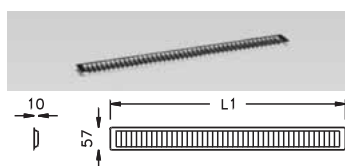
Upline linear, asymmetrical wide beam, L1 = 1535 mm, L2 = 1595 mm

Part number	Weight	Lamp	Lampholder	Beam angle γ (FWHM)	
8 611 343 009	14.0 kg	T16 35/49/80 W	G5	C 0 - 180	C 90 - 270
				74°	105°



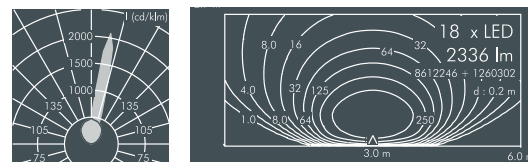
Accessories Upline linear

Part number	Description
226 0 161 000	Cast-resin connection box, 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	Louvre , aluminium , 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	

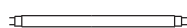


Accessories Upline linear LED

Part number	Light source	L1	Description
126 0 300 000	12 x LED 2.5 W	635 mm	Linear prism for asymmetrical beam, 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	

Lamps

T16



LED (see page 247)





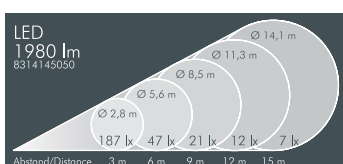
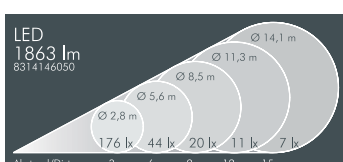
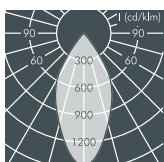
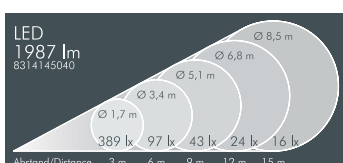
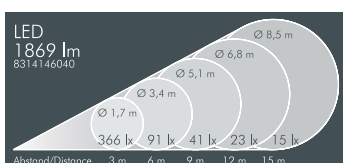
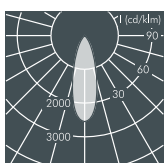
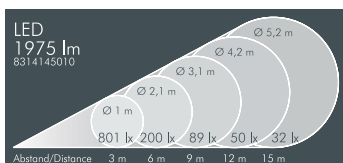
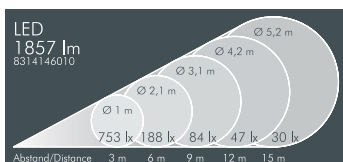
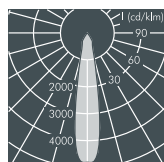
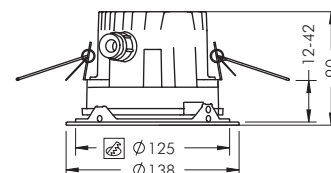
The range of ceiling mount recessed downlights is characterised by extremely compact dimensions and high efficiency of the LED module and reflector. The unobtrusive luminaires create high lux levels in entrance areas and under canopies. A very small recess depth is achieved by the shallow luminaire housing 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 clas 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)
8 314 146 019	black	1.0 kg	1 x LED module 19 W warm white (3000 K)	1857 lm	20°
8 314 166 019	white				
8 314 156 019	silver grey				

Part number	Trim ring colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 145 019	black	1.0 kg	1 x LED module 19 W neutral white (4000 K)	1975 lm	20°
8 314 165 019	white				
8 314 155 019	silver grey				

Recessed downlight, medium wide beam

Part number	Trim ring colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 146 049	black	1.0 kg	1 x LED module 19 W warm white (3000 K)	1869 lm	32°
8 314 166 049	white				
8 314 156 049	silver grey				

Part number	Trim ring colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 145 049	black	1.0 kg	1 x LED module 19 W neutral white (4000 K)	1987 lm	32°
8 314 165 049	white				
8 314 155 049	silver grey				

Recessed downlight, wide beam

Part number	Trim ring colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 146 059	black	1.0 kg	1 x LED module 19 W warm white (3000 K)	1863 lm	50°
8 314 166 059	white				
8 314 156 059	silver grey				

Part number	Trim ring colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 145 059	black	1.0 kg	1 x LED module 19 W neutral white (4000 K)	1980 lm	50°
8 314 165 059	white				
8 314 155 059	silver grey				

Accessories recessed downlights

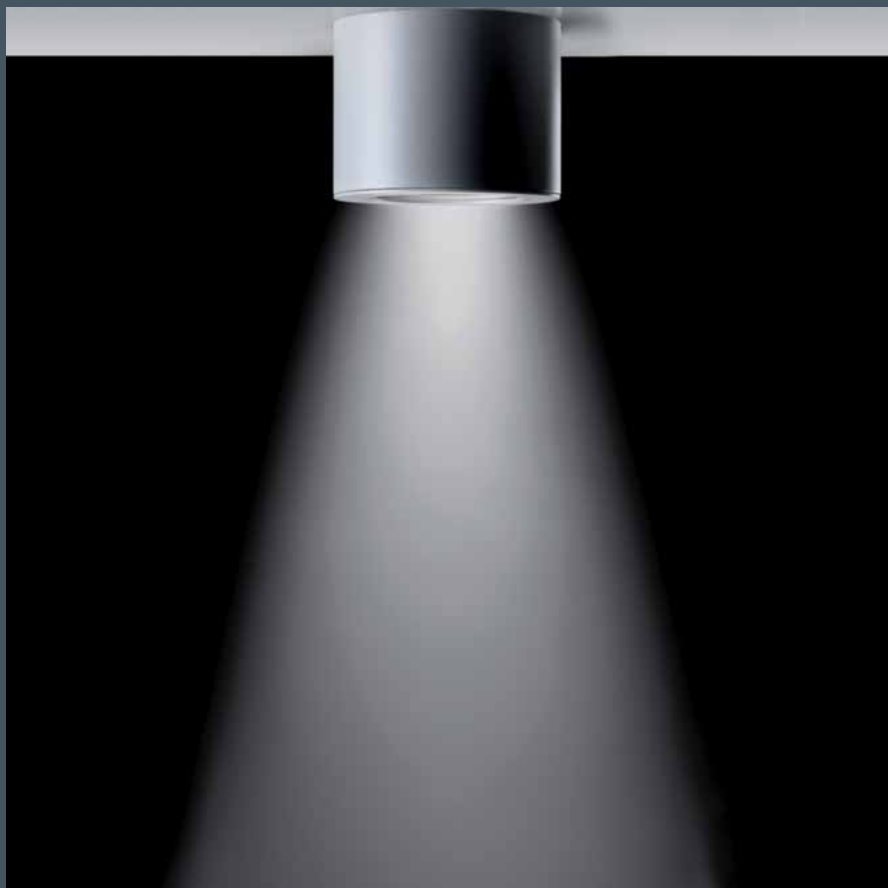
Part number	Description	Weight
113 0 027 000	Power supply with integral LED driver (AC/DC)	0.6 kg
113 0 027 100	Power supply , dimmable (DALI) with integral LED driver (AC/DC)	0.6 kg

123 0 430 000	Ribbed glass spreader lens for linear beam control, continuously adjustable 360°
123 0 440 940	Radial louvre to reduce lateral glare
123 0 444 000	Honeycomb louvre to avoid glare

LED (see page 247)

Luminaires available in 2700 K or other colour temperatures upon request





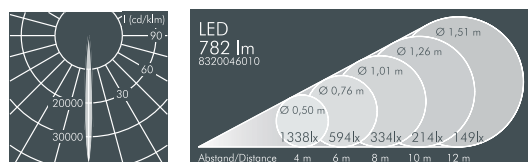
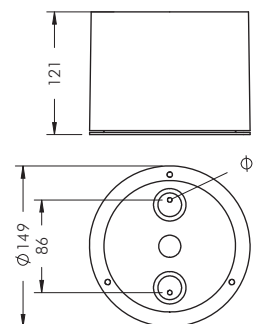
The LED surface mounted downlights are very compact and shallow in design. The precise optics are available with different light distributions. This allows the products to be used for various different lighting applications and at different mounting heights. The housings are neutral in design and have 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.



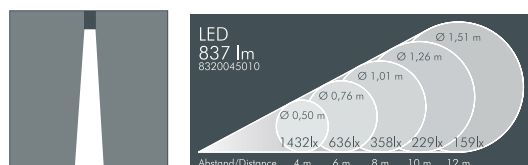
Surface-mounted downlight

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 \diamond \triangle \triangle , 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 \varnothing 4 mm,
 spacing 86 mm,
 cable entry \varnothing 4-11 mm recessed cable,
 integral transformer and on-board driver

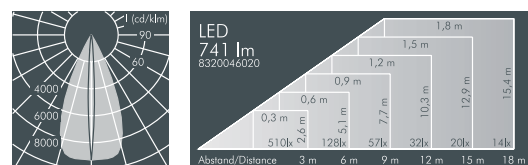


Surface-mounted downlight, narrow beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 046 019	black	2.0 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	782 lm	7°
8 320 066 019	white				
8 320 056 019	silver grey				

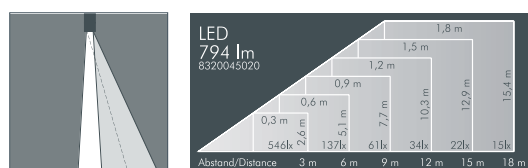


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 045 019	black	2.0 kg	5 x LED 2.5 W (13 W) neutral white (4000 K)	837 lm	7°
8 320 065 019	white				
8 320 055 019	silver grey				

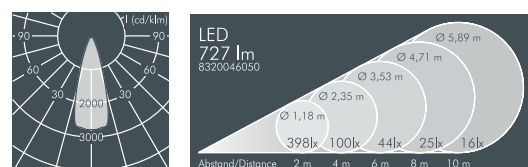


Surface-mounted downlight, linear beam spread

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 046 029	black	2.0 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	741 lm	C 0 - 180
8 320 066 029	white	6°			
8 320 056 029	silver grey	46°			

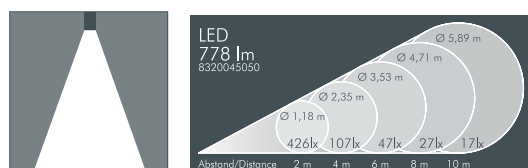


Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 045 029	black	2.0 kg	5 x LED 2.5 W (13 W) neutral white (4000 K)	794 lm	C 0 - 180
8 320 065 029	white	6°			
8 320 055 029	silver grey	46°			



Surface-mounted downlight, wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 046 059	black	2.0 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	727 lm	33°
8 320 066 059	white				
8 320 056 059	silver grey				



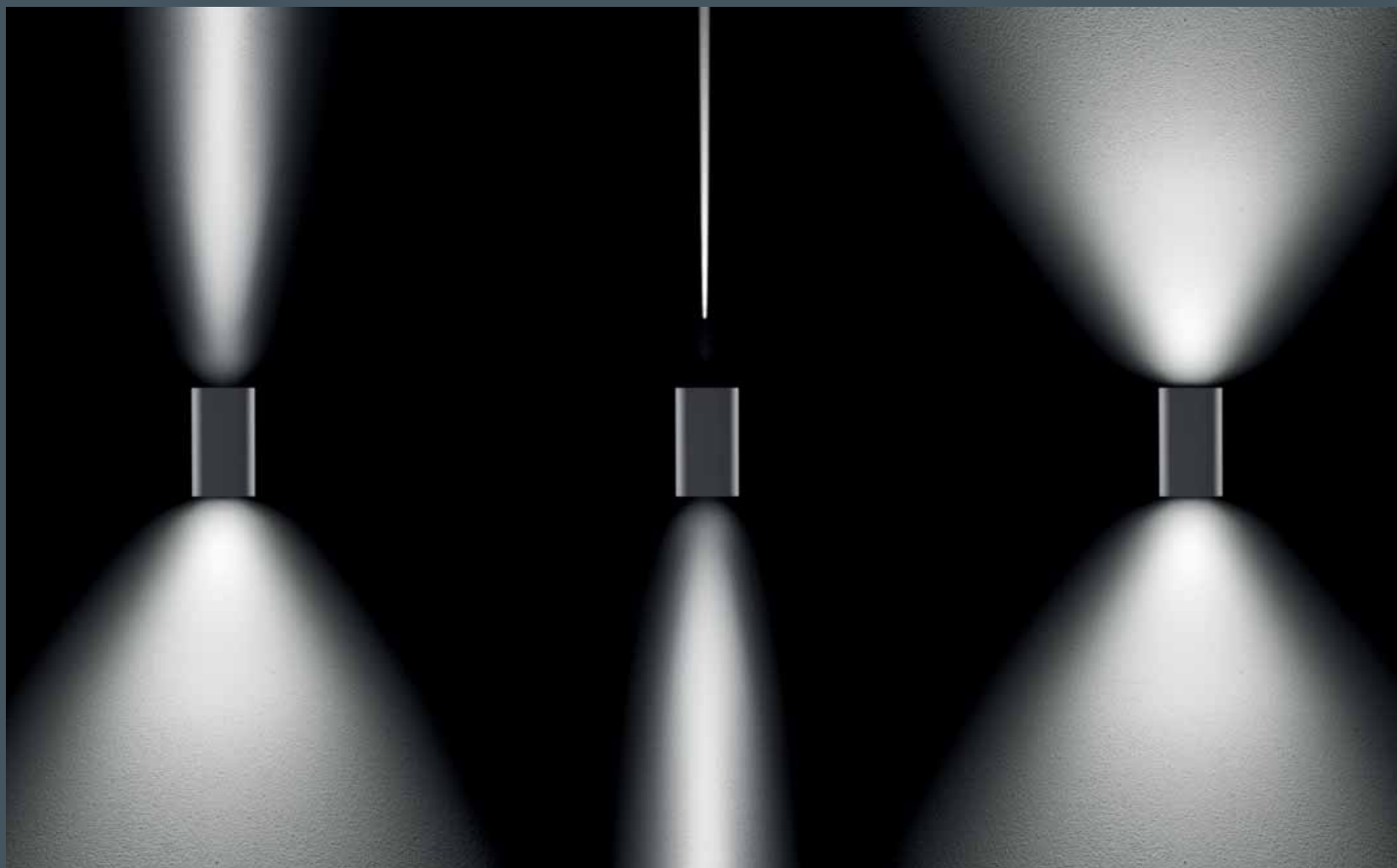
Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 045 059	black	2.0 kg	5 x LED 2.5 W (13 W) neutral white (4000 K)	778 lm	33°
8 320 065 059	white				
8 320 055 059	silver grey				

Part number	Description
... 3..	Dimmable luminaire (DALI/1-10 V)

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

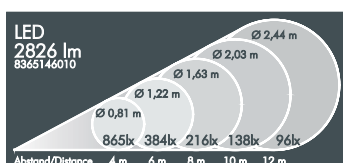
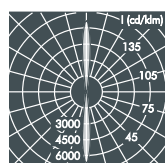
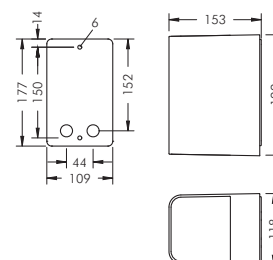


Versions with asymmetrical or lateral wide beam light distributions are available to illuminate floor areas.



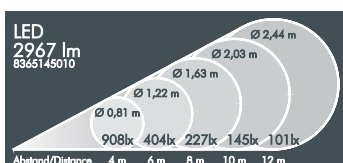
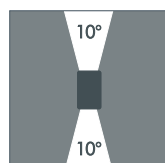
Highrise with two-sided light emission

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 m²
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)

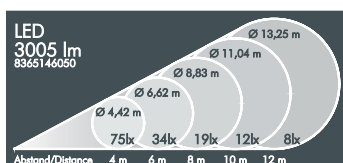
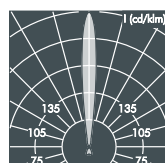


Highrise, narrow beam /narrow beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 146 019	black	2.8 kg	2 x LED module 18 W (36 W) warm white (3000 K)	2826 lm	up	down
8 365 166 019	white				10°	10°
8 365 156 019	silver grey					

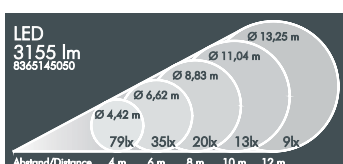
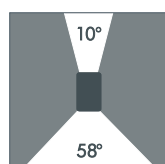


Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 145 019	black	2.8 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	2967 lm	up	down
8 365 165 019	white				10°	10°
8 365 155 019	silver grey					

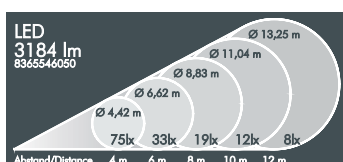
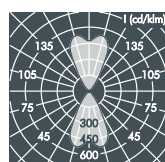


Highrise, narrow beam /wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 146 059	black	2.8 kg	2 x LED module 18 W (36 W) warm white (3000 K)	3005 lm	up	down
8 365 166 059	white				10°	58°
8 365 156 059	silver grey					

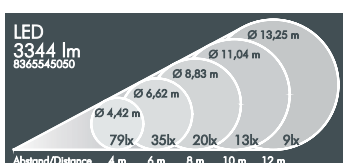
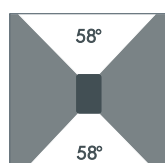


Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 145 059	black	2.8 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	3155 lm	up	down
8 365 165 059	white				10°	58°
8 365 155 059	silver grey					



Highrise, wide beam /wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 546 059	black	2.8 kg	2 x LED module 18 W (36 W) warm white (3000 K)	3184 lm	up	down
8 365 566 059	white				58°	58°
8 365 556 059	silver grey					



Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 545 059	black	2.8 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	3344 lm	up	down
8 365 565 059	white				58°	58°
8 365 555 059	silver grey					

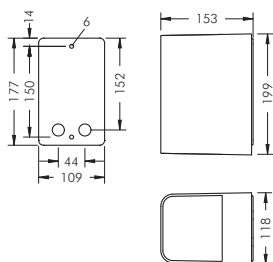
Part number*	Description
..... 1 ..	Dimmable luminaire (DALI)

*Also available as up- or downlight only


LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request



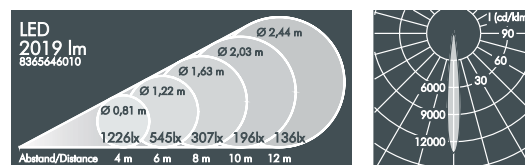


Highrise with two-sided light emission

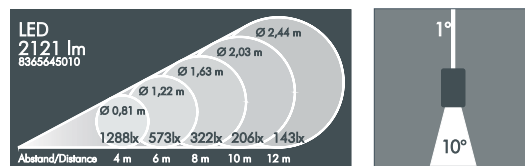
With high performance LED modules, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP65 , IK08
 windage area AW 0.03 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, highly efficient 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)	
8 365 646 019	black	2.8 kg	2 x LED module 16 W (32 W)	2019 lm	up	down
8 365 666 019	white				1°	10°
8 365 656 019	silver grey					

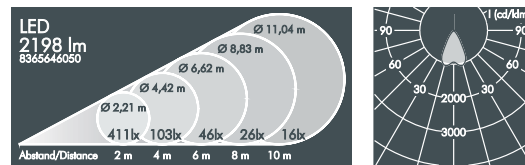


Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 645 019	black	2.8 kg	2 x LED module 16 W (32 W)	2121 lm	up	down
8 365 665 019	white				1°	10°
8 365 655 019	silver grey					

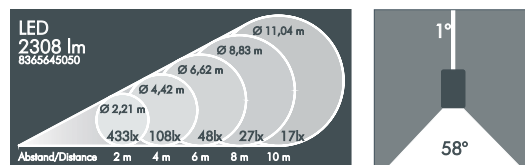


Highrise, Accent light/wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 646 059	black	2.8 kg	2 x LED module 16 W (32 W)	2198 lm	up	down
8 365 666 059	white				1°	58°
8 365 656 059	silver grey					

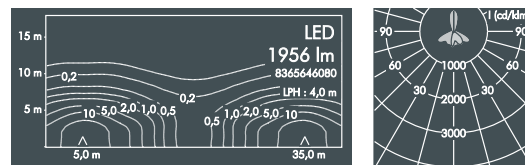


Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 645 059	black	2.8 kg	2 x LED module 16 W (32 W)	2308 lm	up	down
8 365 665 059	white				1°	58°
8 365 655 059	silver grey					



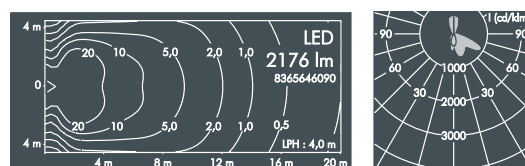
Highrise, Accent light/lateral wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 646 089	black	2.8 kg	2 x LED module 16 W (32 W)	1956 lm	up	down
8 365 666 089	white				1°	138°
8 365 656 089	silver grey					



Highrise, Accent light/asymmetrical beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 646 099	black	2.8 kg	2 x LED module 16 W (32 W)	2176 lm	up	down
8 365 666 099	white				1°	60°
8 365 656 099	silver grey					



Part number*	Description
. 5 . . .	Luminaire with neutral white colour temperature (4000 K)
. 1 . . .	Dimmable luminaire (DALI)


*Also available as up- or downlight only

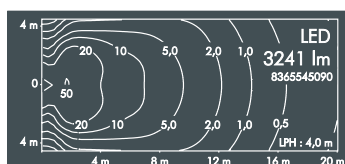
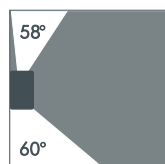
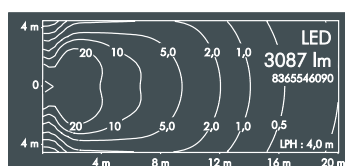
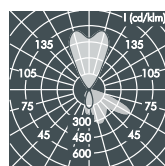
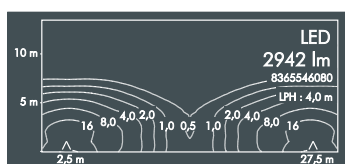
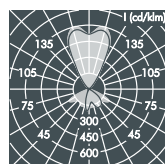
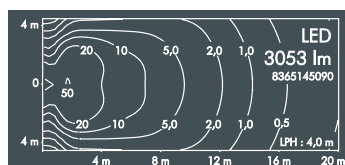
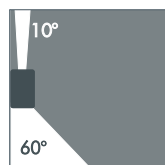
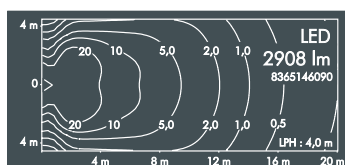
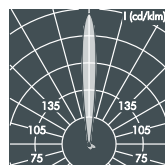
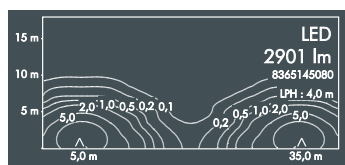
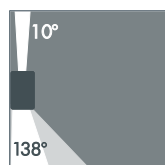
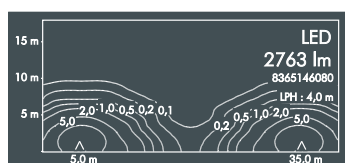
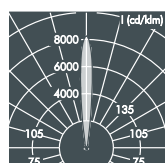
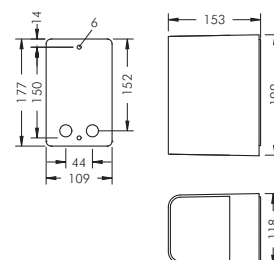
LED (see page 247)

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 m²
 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)



Highrise, narrow beam/lateral wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 146 089	black	2.8 kg	2 x LED module 18 W (36 W) warm white (3000 K)	2763 lm	up	down
8 365 166 089	white				10°	138°
8 365 156 089	silver grey					

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 145 089	black	2.8 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	2901 lm	up	down
8 365 165 089	white				10°	138°
8 365 155 089	silver grey					

Highrise, narrow beam/asymmetrical beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 146 099	black	2.8 kg	2 x LED module 18 W (36 W) warm white (3000 K)	2908 lm	up	down
8 365 166 099	white				10°	60°
8 365 156 099	silver grey					

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 145 099	black	2.8 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	3053 lm	up	down
8 365 165 099	white				10°	60°
8 365 155 099	silver grey					

Highrise, wide beam/lateral wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 546 089	black	2.8 kg	2 x LED module 18 W (36 W) warm white (3000 K)	2942 lm	up	down
8 365 566 089	white				58°	138°
8 365 556 089	silver grey					

Highrise, wide beam/asymmetrical beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 546 099	black	2.8 kg	2 x LED module 18 W (36 W) warm white (3000 K)	3087 lm	up	down
8 365 566 099	white				58°	60°
8 365 556 099	silver grey					

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 365 545 099	black	2.8 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	3241 lm	up	down
8 365 565 099	white				58°	60°
8 365 555 099	silver grey					

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



*Also available as up- or downlight only




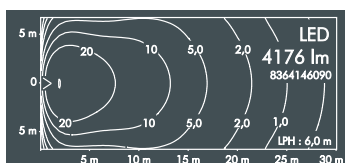
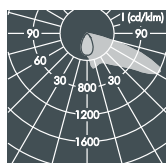
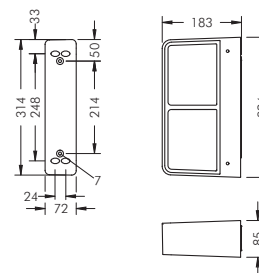
Unit is a new wall luminaire for the uniform illumination of floor areas adjacent to buildings. The clean housing design allows the luminaires to be used in various different architectural environments. There is a choice between an asymmetrical light distribution for area lighting and a lateral wide 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.

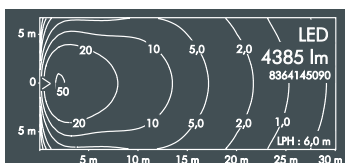
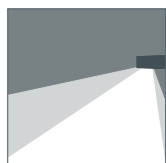
Unit with one-sided light emission

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 m²
 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)

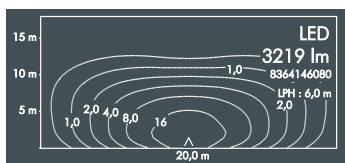
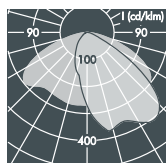


Unit, asymmetrical beam

Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 364 146 099	black	3.3 kg	2 x LED module 18.5 W (37 W) warm white (3000 K)	4176 lm	63°
8 364 166 099	white				
8 364 156 099	silver grey				

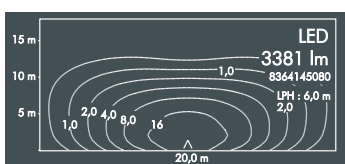


Part number	Colour	Weight	Light source	Luminous flux	Main beam angle γ
8 364 145 099	black	3.3 kg	2 x LED module 18.5 W (37 W) neutral white (4000 K)	4385 lm	63°
8 364 165 099	white				
8 364 155 099	silver grey				

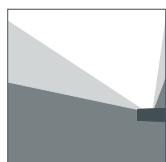


Unit, lateral wide beam

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 364 146 089	black	3.3 kg	2 x LED module 18 W (36 W) warm white (3000 K)	3219 lm	62°	142°
8 364 166 089	white					
8 364 156 089	silver grey					



Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
					C 0 - 180	C 90 - 270
8 364 145 089	black	3.3 kg	2 x LED module 18 W (36 W) neutral white (4000 K)	3381 lm	62°	142°
8 364 165 089	white					
8 364 155 089	silver grey					



Alternatively, the luminaires can be used as uplights for indirect illumination.

Part number	Description
... .. 1 ..	Dimmable luminaire (DALI)

Accessories Unit, Louvre (internal, factory fitted, no retro-fitting)	
123 0 516 940	Unit asymmetrical beam, vertical louvre, stainless steel, to reduce lateral glare
123 0 517 940	Unit lateral wide beam, horizontal louvre, stainless steel, to reduce glare

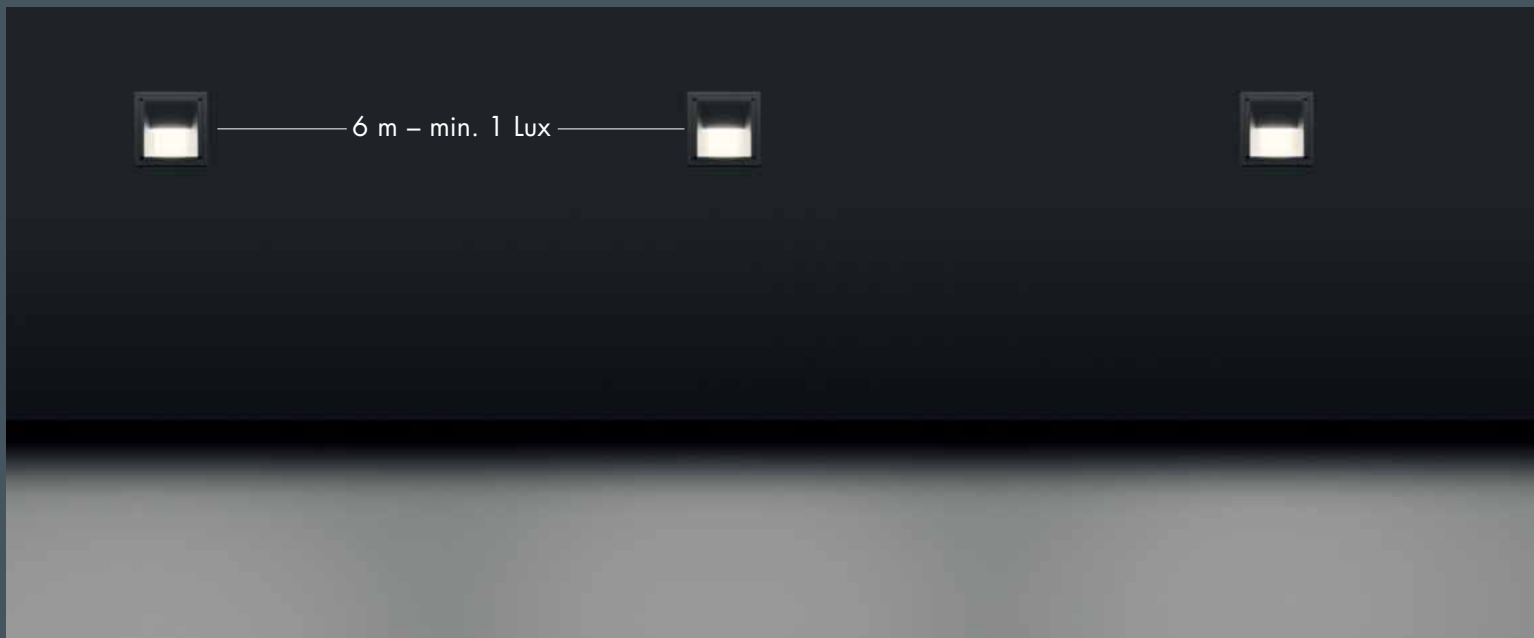


For Unit there is a choice of two different reflector options – an asymmetrical distribution for area lighting and a lateral wide beam distribution for uniform illumination of floor areas along façades.

LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request

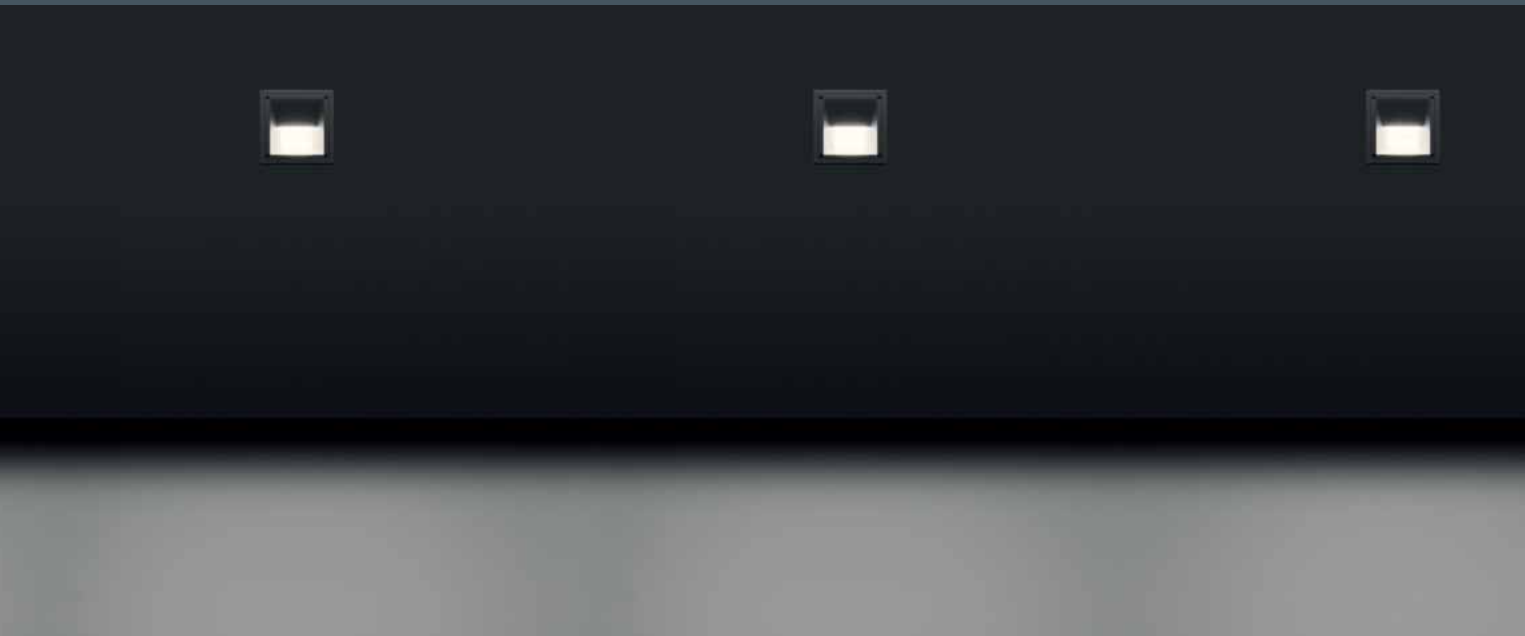




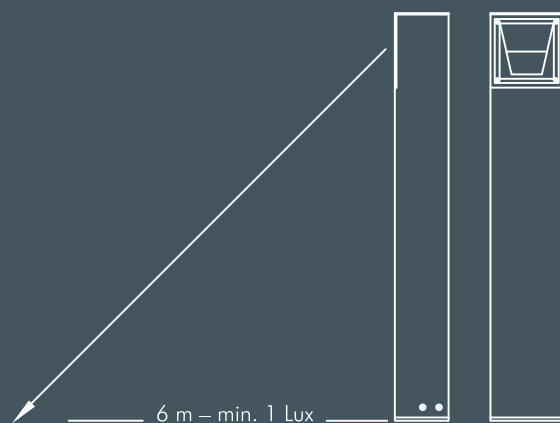
Nightpath is a wall recess and bollard series. The optical system produces an exceptionally wide and uniform light distribution which allows the luminaires to be spaced far apart. The housings are of compact design and offer the advantage of a very shallow recess depth. An impact resistant polycarbonate cover for enhanced protection against vandalism is available as an accessory.



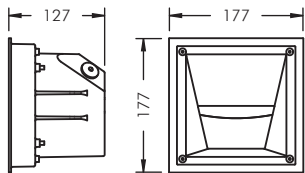
Design: Roy Fleetwood




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.



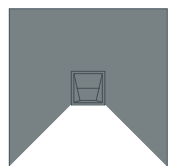
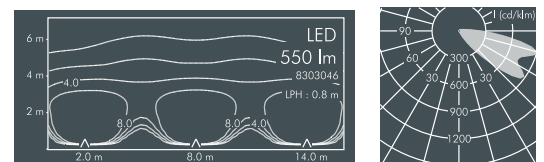
Nightpath wall recessed luminaire

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)
8 303 046 009	black	2.0 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	550 lm	88°
8 303 066 009	white				
8 303 056 009	silver grey				

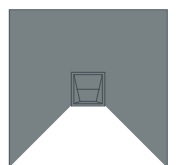
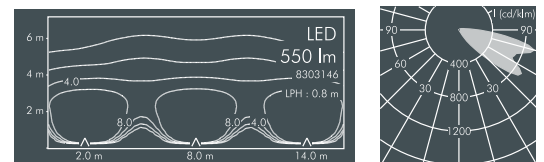
*These luminaires are also available with neutral white LEDs (4000 K) upon request.



Nightpath wall recessed luminaire for installation in concrete walls**

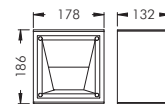
Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 303 146 009	black	1.9 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	550 lm	88°
8 303 166 009	white				
8 303 156 009	silver grey				

*These luminaires are also available with neutral white LEDs (4000 K) upon request.



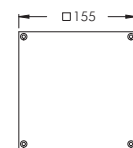
Nightpath wall recessed luminaire for surface mounting

Part number	Description
... 2 ...	Luminaire for surface mounting, with aluminium housing

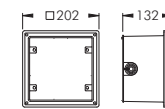
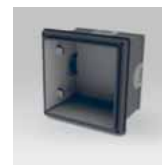


Accessories Nightpath wall recessed luminaries

Part number	Description
123 0 270 000	Polycarbonate cover, for protection against vandalism, for flush mounting in luminaire housing (IK10)



**Part number	Description
123 0 252 000	Plastic recess box required for installation in concrete walls



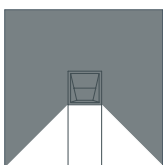
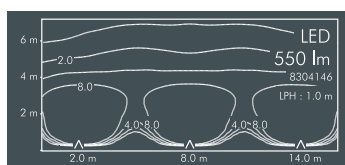
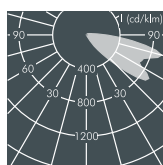
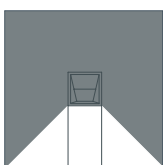
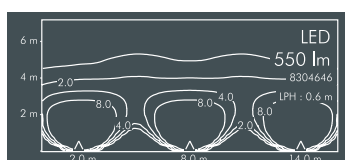
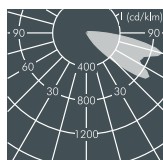
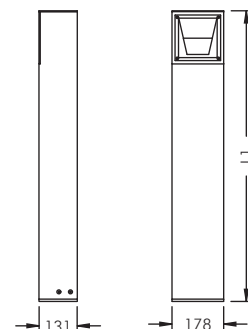
LED (see page 247)

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 γ (FWHM)
8 304 646 009	black	6.2 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	550 lm	88°
8 304 666 009	white				
8 304 656 009	silver grey				

*These luminaires are also available with neutral white LEDs (4000 K) upon request.

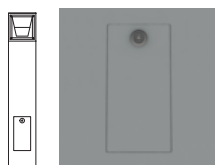
Nightpath bollard, height 1000 mm

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)
8 304 146 009	black	8.7 kg	5 x LED 2.5 W (13 W) warm white (3000 K)	550 lm	88°
8 304 166 009	white				
8 304 156 009	silver grey				

*These luminaires are also available with neutral white LEDs (4000 K) upon request.

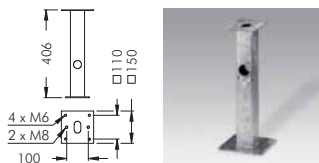
Nightpath bollard with door and connection box

Part number	Description
. 1.	Luminaire with door and connection box

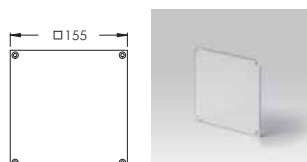


Accessories Nightpath bollard

Part number	Description
128 0 346 000	Buried extension piece, steel, hot dip galvanised



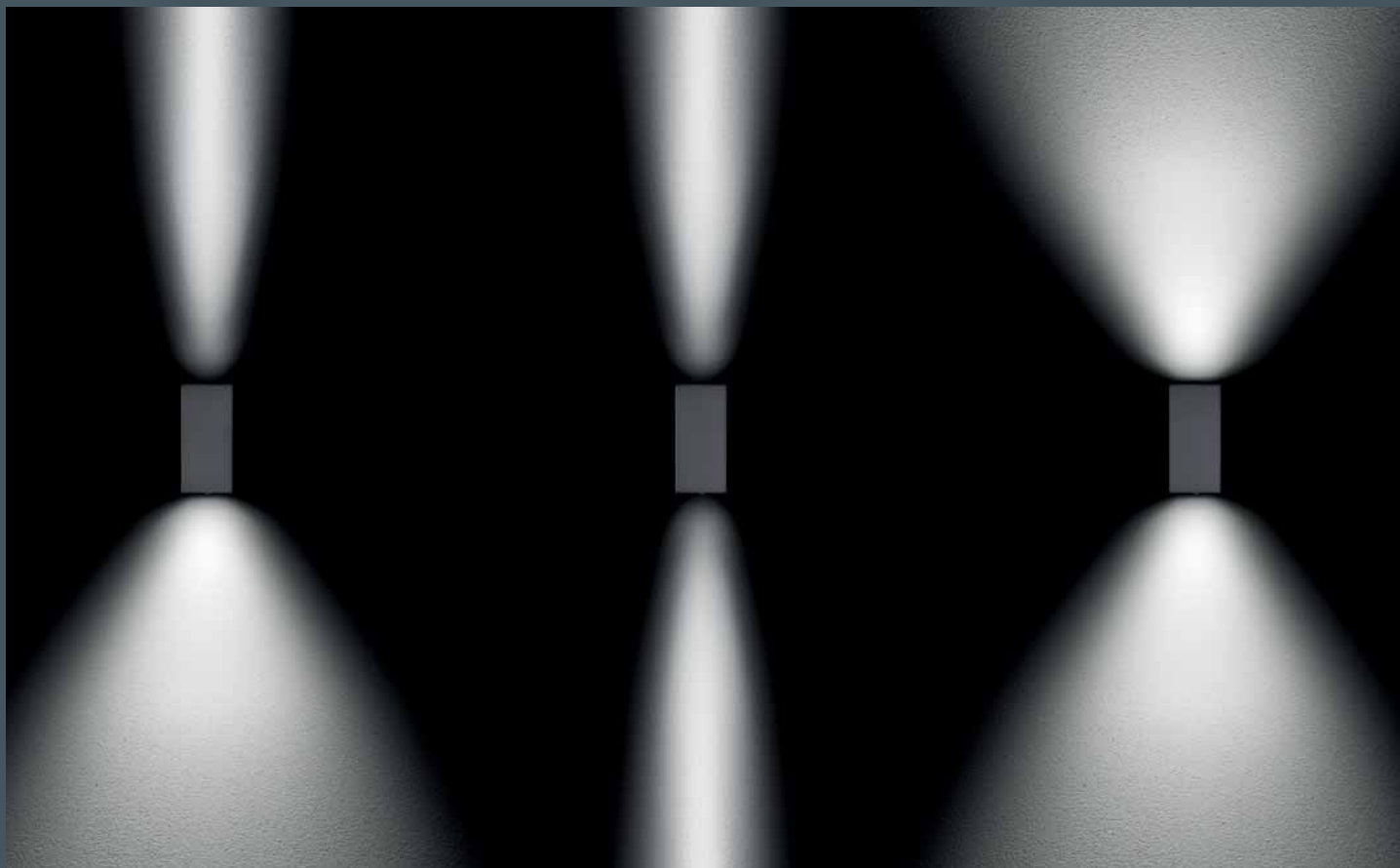
Part number	Description
123 0 270 000	Polycarbonate cover, for protection against vandalism, for flush mounting in luminaire housing (IK10)



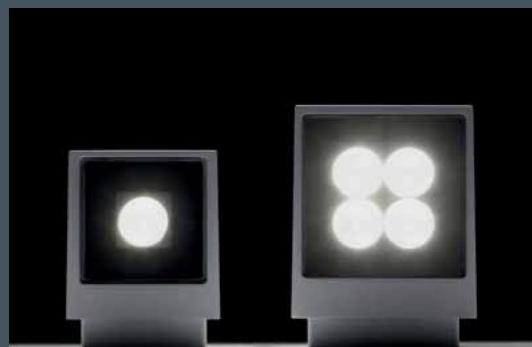
LED (see page 247)

Luminaires available in 2700 K and other colour temperatures upon request





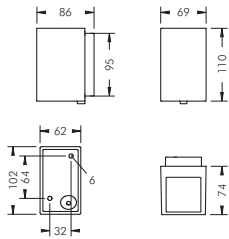
Gemini is a range of up/down wall luminaires. The LED optics are available in narrow or wide beam distribution and can be combined with one another. Thanks to their sleek design and compact dimensions, these luminaires lend themselves well to being integrated into modern or historical architecture. They 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.



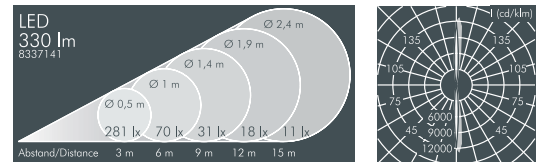


Gemini 1

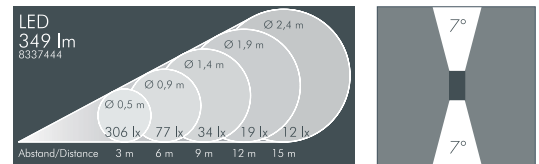
With high performance LEDs, thermal monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP65 , IK08 windage area AW 0.01 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless 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)	
8 337 141 009	black	0.6 kg	2 x LED 2.5 W (5 W) warm white (3000 K)	330 lm	up	down
8 337 161 009	white				7°	7°
8 337 151 009	silver grey					

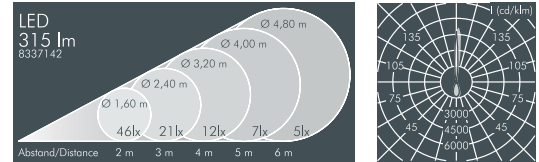


Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 337 444 009	black	0.6 kg	2 x LED 2.5 W (5 W) neutral white (4000 K)	349 lm	up	down
8 337 464 009	white				7°	7°
8 337 454 009	silver grey					

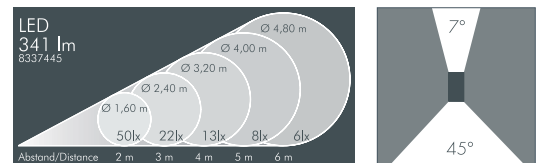


Gemini 1, narrow/wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 337 142 009	black	0.6 kg	2 x LED 2.5 W (5 W) warm white (3000 K)	315 lm	up	down
8 337 162 009	white				7°	45°
8 337 152 009	silver grey					

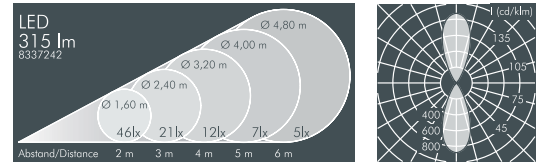


Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 337 445 009	black	0.6 kg	2 x LED 2.5 W (5 W) neutral white (4000 K)	341 lm	up	down
8 337 465 009	white				7°	45°
8 337 455 009	silver grey					

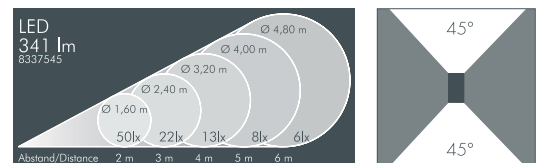


Gemini 1, wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 337 242 009	black	0.6 kg	2 x LED 2.5 W (5 W) warm white (3000 K)	315 lm	up	down
8 337 262 009	white				45°	45°
8 337 252 009	silver grey					



Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 337 545 009	black	0.6 kg	2 x LED 2.5 W (5 W) neutral white (4000 K)	341 lm	up	down
8 337 565 009	white				45°	45°
8 337 555 009	silver grey					




*Also available as up- or downlight only.

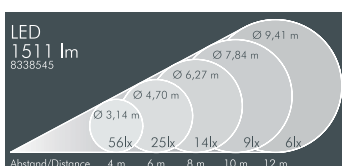
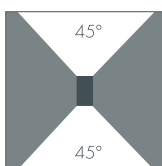
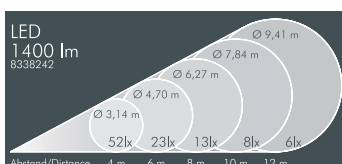
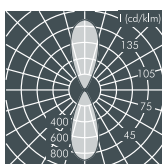
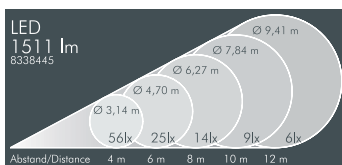
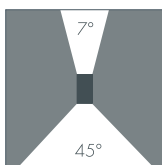
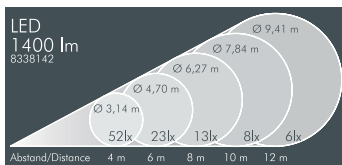
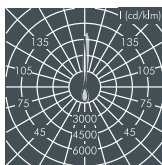
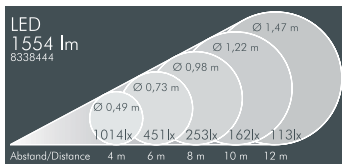
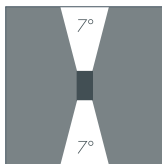
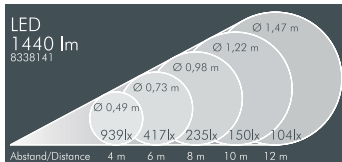
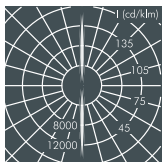
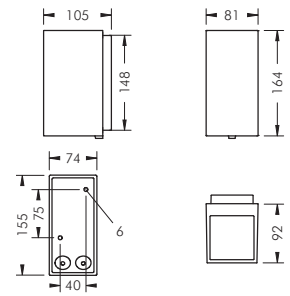
LED (see page 247)

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 m²
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)



Gemini 2, narrow beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 338 141 009	black	1.2 kg	8 x LED 2.5 W (20 W) warm white (3000 K)	1440 lm	up	down
8 338 161 009	white				7°	7°
8 338 151 009	silver grey					

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 338 444 009	black	1,2 kg	8 x LED 2.5 W (20 W) neutral white (4000 K)	1554 lm	up	down
8 338 464 009	white				7°	7°
8 338 454 009	silver grey					

Gemini 2, narrow/wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 338 142 009	black	1.2 kg	8 x LED 2.5 W (20 W) warm white (3000 K)	1400 lm	up	down
8 338 162 009	white				7°	45°
8 338 152 009	silver grey					

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 338 445 009	black	1.2 kg	8 x LED 2.5 W (20 W) neutral white (4000 K)	1511 lm	up	down
8 338 465 009	white				7°	45°
8 338 455 009	silver grey					

Gemini 2, wide beam

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 338 242 009	black	1.2 kg	8 x LED 2.5 W (20 W) warm white (3000 K)	1400 lm	up	down
8 338 262 009	white				45°	45°
8 338 252 009	silver grey					

Part number*	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 338 545 009	black	1.2 kg	8 x LED 2.5 W (20 W) neutral white (4000 K)	1511 lm	up	down
8 338 565 009	white				45°	45°
8 338 555 009	silver grey					

Part number*	Description
... .. 8 ...	Luminaire with asymmetrical light distribution downwards
... .. 2 ..	Dimmable version (1-10 V)

*On request the luminaires are available as up or downlight only and with additional light distributions.

LED (see page 247)



Luminaires available in 2700 K and other colour temperatures upon request

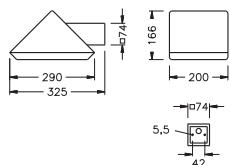
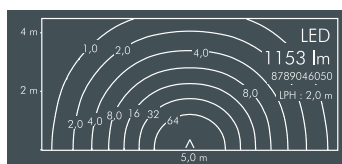
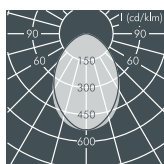
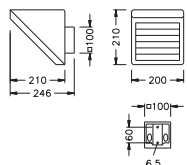
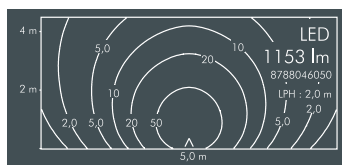
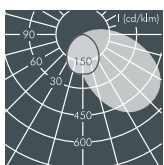
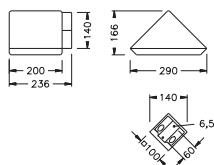
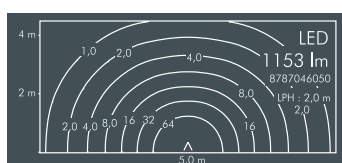
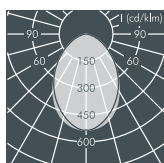




The Variant range of wall luminaires is suitable for the illumination of vertical surfaces and the adjacent floor or ground area. Depending on the model, the light is projected either parallel to the wall or forward throw at 45°. Wide beam light distributions provide uniform illumination and allow the 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 m²
 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)	
8 787 046 059	black	2.9 kg	1 x LED module 21 W warm white (3000 K)	1153 lm	C 0 – 180	C 90 – 270
8 787 066 059	white				80°	80°
8 787 056 059	silver grey					

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

Variant B

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 788 046 059	black	2.9 kg	1 x LED module 21 W warm white (3000 K)	1153 lm	C 0 – 180	C 90 – 270
8 788 066 059	white				80°	80°
8 788 056 059	silver grey					

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

Variant C

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 789 046 059	black	3.1 kg	1 x LED module 21 W warm white (3000 K)	1153 lm	C 0 – 180	C 90 – 270
8 789 066 059	white				80°	80°
8 789 056 059	silver grey					

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

Accessories Variant B and Variant C

Part number	Colour	Description
127 0 098 940	black	Corner fixing bracket , aluminium, polyester powder coated, for mounting floodlights on 90° corners
127 0 098 960	white	
127 0 098 950	silver grey	

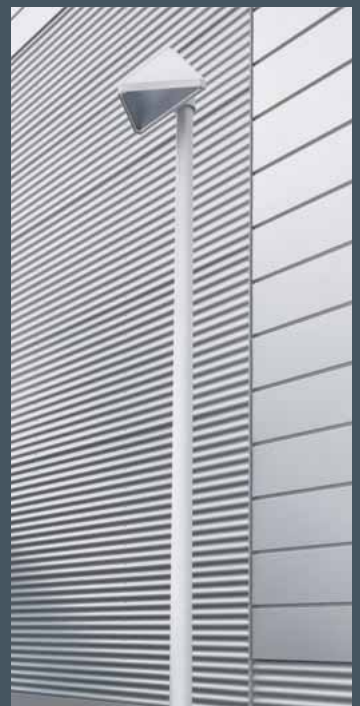
LED (see page 247)







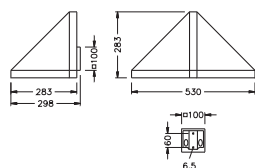
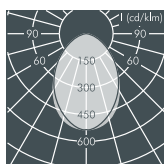
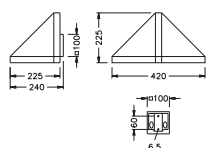
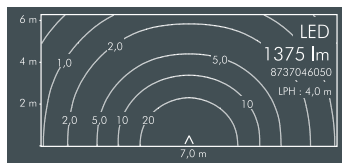
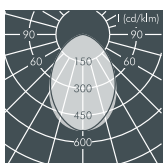
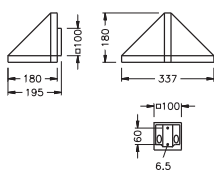
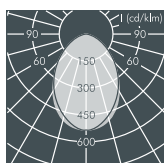
The Facette series is available in 3 sizes for LED, with wide beam light distribution. Uniform illumination of façades and adjacent ground areas is possible from various different mounting heights.

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 AISi12,
 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)	
8 736 046 059	black	2.0 kg	1 x LED module 21 W warm white (3000 K)	1153 lm	C 0 - 180	C 90 - 270
8 736 066 059	white				80°	80°
8 736 056 059	silver grey					

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

Facette B*

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 737 046 059	black	3.3 kg	1 x LED module 25 W warm white (3000 K)	1375 lm	C 0 - 180	C 90 - 270
8 737 066 059	white				80°	80°
8 737 056 059	silver grey					

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

* 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)	
8 738 046 059	black	4.9 kg	2 x LED module 14 W (28 W) warm white (3000 K)	1456 lm	C 0 - 180	C 90 - 270
8 738 066 059	white				80°	80°
8 738 056 059	silver grey					

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

* Pole top fitters for poles Ø 60 and 76 Ø mm are available as accessories.

Accessories Facette A/B/C

Part number	Colour	Description
127 0 098 940	black	Corner fixing bracket , aluminium, polyester powder coated, for mounting floodlights on 90° corners
127 0 098 960	white	
127 0 098 950	silver grey	

LED (see page 247)





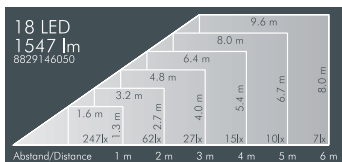
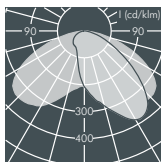
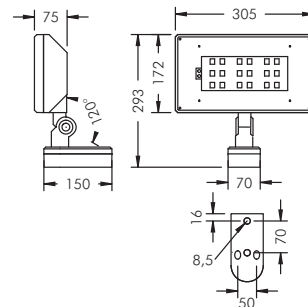
Superlight is a tried and tested luminaire series for LEDs and offers an economical solution for uniform illumination of entrances, façades and canopies. The robust knuckle joints allow for flexible orientation of the fixtures.



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 \triangle , IK08
 windage area AWV 0.06 m²
 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 \varnothing 8.5 mm, spacing 70 mm, knuckle joint adjustable 120°, cable entry: recessed or surface mounted cable, cable entry up to \varnothing 10 mm, integral driver (AC/DC)



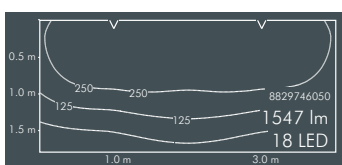
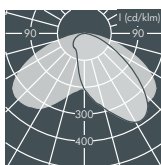
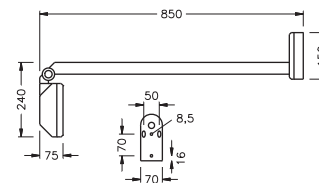
Superlight with wall box and joint

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 829 146 059	black	3.0 kg	18 x LED 1.7 W	1547 lm	C 0 - 180	C 90 - 270
8 829 166 059	white		(31 W)		57°	138°
8 829 156 059	silver grey		warm white (3000 K)			

Part number	Designation
... 5 ...	Luminaire with neutral white colour temperature (4300 K)
... 0 ...	Superlight with wall box

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 \triangle , 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 \varnothing 8.5 mm, spacing 70 mm, aluminium wall arm overall length 0.75 m, recessed or surface mounted cable, cable entry up to \varnothing 10 mm, integral driver (AC/DC)



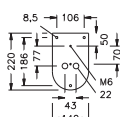
Superlight with wall arm and joint

Part number	Colour	Weight	Light source	Luminous flux	Beam angle γ (FWHM)	
8 829 746 059	black	3.5 kg	18 x LED 1.7 W	1547 lm	C 0 - 180	C 90 - 270
8 829 766 059	white		(31 W)		57°	138°
8 829 756 059	silver grey		warm white (3000 K)			

Part number	Designation
... 5 ...	Luminaire with neutral white colour temperature (4300 K)
... 8 ...	Superlight with wall arm and 2 joints

Accessories Superlight

Part number	Colour	Description
128 0 231 940	black	Wall plate A (U-shaped) , aluminium,
128 0 231 960	white	polyester powder coated,
128 0 231 950	silver grey	for extra support on unstable surfaces



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 (Ground-recessed up-lighters 8 600)
120 0 089 000	HIT-DE 70 W HIT 70 W HST-DE 70 W HSE 70 W HIE 100 W
120 0 091 000	HIT-DE 150 W HIT 150 W HST-DE 150 W HST 150 W
120 0 093 000	HIT-DE 250 W HIT 250 W HST 250 W
120 0 094 000	HIT/HIE 400 W ($< 3,6$ A) HST-DE 250 W
120 0 256 000	HIT/HIE 400 W ($> 4,0$ 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.

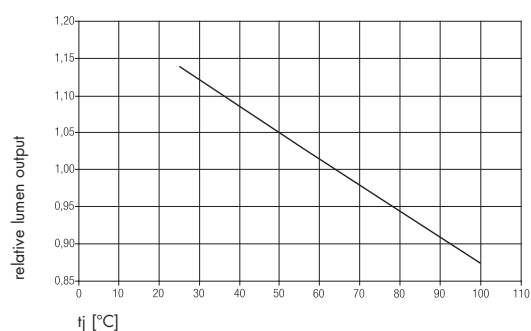
Zhaga is a consortium which is developing specifications that enable the interchangeability of LED light sources made by multiple different manufacturers. The standardization covers the fixing points, lumen packages and colour temperatures.

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 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.

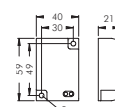
Overvoltage / surge protection

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
120 0 533 000	Overvoltage / surge protection module , Type 2 and 3 single phase protection up to 10 kv, cuts off the electrical circuit if there is a surge, Module (IP20) for remote mounting



Ref. No.	Page	Ref. No.	Page	Ref. No.	Page	Ref. No.	Page	Ref. No.	Page
113		122 0 282 950	180	123 0 467 940	49	127		128 0 232 950	191
113 0 027 000	223	122 0 282 960	180	123 0 467 950	49	127 0 081 940	195	128 0 232 960	191
113 0 027 100	223	122 0 283 940	182	123 0 467 960	49	127 0 081 950	195	128 0 235 000	83
119		122 0 283 950	182	123 0 468 940	49	127 0 081 960	195	128 0 235 940	83
119 0 031 940	166	122 0 283 960	182	123 0 468 950	49	127 0 082 940	195	128 0 235 950	83
119 0 031 950	166	122 0 284 940	182	123 0 468 960	49	127 0 082 950	195	128 0 235 960	83
119 0 031 960	166	122 0 284 950	182	123 0 470 940	49	127 0 082 960	195	128 0 287 000	191
119 0 032 940	166	122 0 284 960	182	123 0 470 950	49	127 0 098 940	241, 243	128 0 287 940	191
119 0 032 950	166	122 0 285 940	183	123 0 470 960	49	127 0 098 950	241, 243	128 0 287 950	191
119 0 032 960	166	122 0 285 950	183	123 0 490 940	49	127 0 098 960	241, 243	128 0 287 960	191
119 0 033 940	166	122 0 285 960	183	123 0 490 950	49	127 0 181 940	195	128 0 294 940	82, 99
119 0 033 950	166	122 0 291 940	181	123 0 490 960	49	127 0 181 950	195	128 0 294 950	82, 99
119 0 033 960	166	122 0 291 950	181	123 0 510 941	49	127 0 181 960	195	128 0 294 960	82, 99
119 0 034 940	166	122 0 291 960	181	123 0 510 951	49	127 0 182 940	195	128 0 346 000	235
119 0 034 950	166	122 0 292 940	181	123 0 510 961	49	127 0 182 950	195	128 0 352 940	82
119 0 034 960	166	122 0 292 950	181	123 0 516 940	231	127 0 182 960	195	128 0 352 950	82
119 0 035 940	159	122 0 292 960	181	123 0 517 940	231	127 0 189 000	72	128 0 352 960	82
119 0 035 950	159	122 0 293 940	181	125		127 0 299 940	22	128 0 368 940	83
119 0 035 960	159	122 0 293 950	181	125 0 145 000	99	127 0 299 950	22	128 0 368 950	83
119 0 036 940	159	122 0 293 960	181	125 0 146 000	99	127 0 299 960	22	128 0 368 960	83
119 0 036 950	159	122 0 294 940	181	125 0 160 940	72, 82, 99	127 0 300 940	22	128 0 370 000	81
119 0 036 960	159	122 0 294 950	181	125 0 160 950	72, 82, 99	127 0 300 950	22	128 0 431 940	83
120		122 0 294 960	181	125 0 160 960	72, 82, 99	127 0 300 960	22	128 0 431 950	83
120 0 086 000	246	122 0 354 940	191, 195	125 0 171 000	98	127 0 301 940	22	128 0 431 960	83
120 0 089 000	246	122 0 354 950	191, 195	125 0 177 000	98	127 0 301 950	22	128 0 552 000	191
120 0 091 000	246	122 0 354 960	191, 195	125 0 183 000	97	127 0 301 960	22	128 0 552 940	191
120 0 093 000	246	122 0 397 940	116	125 0 183 940	97	127 0 302 940	22	128 0 552 950	191
120 0 094 000	246	122 0 398 940	116	125 0 183 960	97	127 0 302 950	22	128 0 552 960	191
120 0 240 940	99, 191	122 0 399 940	116	125 0 184 000	97	127 0 302 960	22	128 0 565 000	78
120 0 240 950	99, 191	122 0 401 940	117	125 0 184 940	97	127 0 332 940	22	128 0 566 000	78
120 0 240 960	99, 191	122 0 401 950	117	125 0 184 960	97	127 0 332 950	22	128 0 585 000	81
120 0 256 000	246	122 0 401 960	117	125 0 197 940	82, 99	127 0 332 960	22	128 0 588 940	72
120 0 533 000	247	122 0 402 940	117	125 0 197 950	82, 99	127 0 333 940	22	128 0 588 950	72
120 0 620 940	117, 137	122 0 402 950	117	125 0 197 960	82, 99	127 0 333 950	22	128 0 588 960	72
120 0 621 940	59, 61	122 0 402 960	117	126		127 0 333 960	22	128 0 589 940	72
120 0 622 940	117, 137	122 0 403 940	117	126 0 129 940	221	127 0 390 940	12	128 0 589 950	72
120 0 623 940	63, 65, 67, 167	122 0 403 950	117	126 0 130 940	221	127 0 390 950	12	128 0 589 960	72
122		122 0 403 960	117	126 0 131 940	221	127 0 390 960	12	128 0 622 940	83
122 0 066 940	191	122 0 404 940	117	126 0 132 940	221	127 0 391 940	12	128 0 622 950	83
122 0 066 950	191	122 0 404 950	117	126 0 160 000	213	127 0 391 950	12	128 0 622 960	83
122 0 066 960	191	122 0 404 960	117	126 0 160 060	213	127 0 391 960	12	128 0 625 940	82
122 0 134 940	195	122 0 408 000	116	126 0 205 000	200	127 0 392 940	12	128 0 625 950	82
122 0 134 950	195	122 0 409 000	116	126 0 205 060	200	127 0 392 950	12	128 0 625 960	82
122 0 134 960	195	122 0 410 000	116	126 0 232 000	205	127 0 392 960	12	128 0 626 940	135,
122 0 207 940	191	122 0 411 000	116	126 0 232 060	205	127 0 393 940	12		159, 166
122 0 207 950	191	122 0 412 000	116	126 0 300 000	221	127 0 393 950	12	128 0 626 950	135,
122 0 207 960	191	122 0 413 000	116	126 0 301 000	221	127 0 393 960	12		159, 166
122 0 208 940	191	122 0 414 000	116	126 0 302 000	221	128		128 0 626 960	135,
122 0 208 950	191	122 0 417 940	116	126 0 338 000	208	128 0 031 940	82		159, 166
122 0 208 960	191	122 0 418 940	116	126 0 338 060	208	128 0 031 950	82	128 0 640 940	72
122 0 209 940	191	122 0 419 940	116	126 0 339 940	208	128 0 031 960	82	128 0 640 950	72
122 0 209 950	191	122 0 440 940	116	126 0 340 000	203, 208	128 0 033 940	83	128 0 640 960	72
122 0 209 960	191	122 0 441 940	116	126 0 341 000	211	128 0 033 950	83	128 0 641 940	72
122 0 217 940	191	122 0 442 940	116	126 0 341 060	211	128 0 033 960	83	128 0 641 950	72
122 0 217 950	191	123		126 0 342 940	211	128 0 035 940	82	128 0 641 960	72
122 0 217 960	191	123 0 252 000	234	126 0 343 000	211	128 0 035 950	82	128 0 653 940	55
122 0 218 940	191	123 0 270 000	234, 235	126 0 350 940	216	128 0 035 960	82	128 0 653 950	55
122 0 218 950	191	123 0 367 940	30	126 0 371 000	203	128 0 086 940	191	128 0 653 960	55
122 0 218 960	191	123 0 367 950	30	126 0 371 060	203	128 0 086 950	191	128 0 664 940	57, 59
122 0 281 940	180	123 0 367 960	30	126 0 372 940	203	128 0 086 960	191	128 0 664 950	57, 59
122 0 281 950	180	123 0 370 000	30	126 0 378 940	208	128 0 231 940	245	128 0 664 960	57, 59
122 0 281 960	180	123 0 430 000	223	126 0 379 940	208	128 0 231 950	245	128 0 679 940	61
122 0 282 940	180	123 0 440 940	223	126 0 380 940	211	128 0 231 960	245	128 0 679 950	61
		123 0 444 000	223	126 0 381 940	211	128 0 232 940	191	128 0 679 960	61

Ref. No.	Page	Ref. No.	Page	Ref. No.	Page	Ref. No.	Page	Ref. No.	Page
128 0 700 940	63, 65, 67, 72, 82	128 0 797 950	93	129 0 390 940	72, 82, 99, 167	129 0 602 950	143	135 0 427 960	97
128 0 700 950	63, 65, 67, 72, 82	128 0 797 960	93	129 0 390 950	72, 82, 167	129 0 602 951	143	226	
128 0 700 960	63, 65, 67, 72, 82	128 0 798 940	93	129 0 390 960	72, 82, 167	129 0 602 960	143	226 0 161 000	200, 205, 208, 211, 213, 216, 217, 221
128 0 730 940	63, 65, 67, 72, 82	128 0 798 950	93	129 0 399 940	148	129 0 602 961	143	232	
128 0 730 950	63, 65, 67, 72, 82	128 0 798 960	93	129 0 399 950	148	129 0 627 000	167	232 0 150 000	191, 195
128 0 730 960	63, 65, 67, 72, 82	128 0 799 940	93	129 0 399 960	148	129 0 647 000	167	238	
128 0 738 940	55, 57, 59, 61, 117	128 0 801 940	82, 117	129 0 451 000	151	129 0 653 000	167	238 1 205 000	57
128 0 738 950	55, 57, 59, 61, 117	128 0 801 950	82, 117	129 0 453 000	151	129 0 683 000	165	238 1 206 000	61, 72
128 0 738 960	55, 57, 59, 61, 117	128 0 801 960	82, 117	129 0 457 000	151	129 0 687 000	165	238 1 207 000	63
128 0 739 940	55, 57, 59, 61, 117	128 0 802 940	93	129 0 458 000	151	129 0 688 000	165	238 1 222 000	49
128 0 739 950	55, 57, 59, 61, 117	128 0 802 950	93	129 0 459 000	151	129 0 699 940	121	238 1 242 000	67
128 0 739 960	55, 57, 59, 61, 117	128 0 802 960	93	129 0 460 000	151	129 0 699 950	121	8 201	
128 0 751 940	55	128 0 803 940	93	129 0 461 000	151	129 0 722 940	137	8 201 045 019	103
128 0 751 941	55	128 0 803 950	93	129 0 461 000	151	129 0 722 950	137	8 201 045 049	103
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128 0 751 951	55	128 0 804 940	93	129 0 490 000	128, 135, 159, 165	129 0 723 940	137	8 201 046 019	103
128 0 751 960	55	128 0 804 950	93	129 0 491 000	128, 135, 159, 165	129 0 723 950	137	8 201 046 029	103
128 0 751 961	55	128 0 804 960	93	129 0 498 940	141	129 0 723 960	137	8 201 046 039	103
128 0 752 941	57, 59	128 0 807 000	93	129 0 498 950	141	129 0 724 940	137	8 201 046 049	103
128 0 752 951	57, 59	128 0 808 000	93	129 0 498 960	141	129 0 724 950	137	8 201 046 059	102
128 0 752 961	57, 59	128 0 809 000	93	129 0 499 940	143	129 0 724 960	137	8 201 055 019	103
128 0 753 941	61	128 0 810 000	93	129 0 499 950	143	129 0 725 940	137	8 201 055 049	102
128 0 753 951	61	128 0 811 000	93	129 0 499 960	143	129 0 725 950	137	8 201 055 059	102
128 0 753 961	61	128 0 812 000	93	129 0 500 940	121, 141, 143	129 0 725 960	137	8 201 056 019	103
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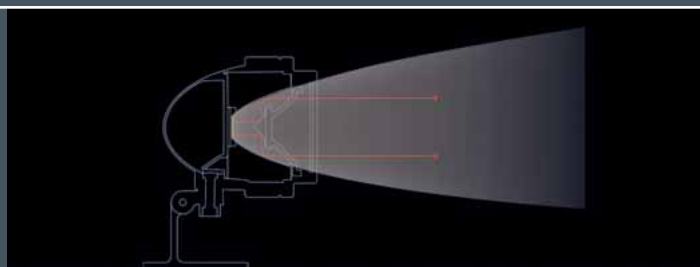
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8 965 145 029	148	8 980 046 019	140	8 983 166 019	153	8 986 156 059	156	8 987 249 059	164
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8 980		8 983 156 059	153	8 986 155 059	156	8 987 244 059	164		
8 980 045 019	140	8 983 156 079	153						

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



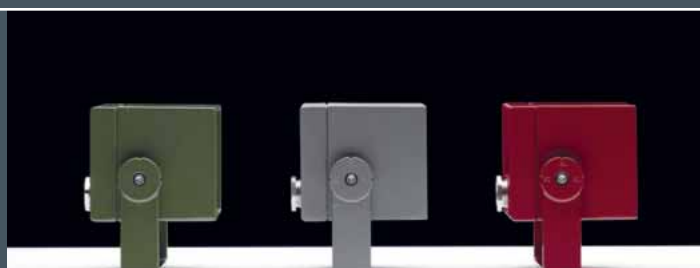
The precise and efficient lighting technology supplied by Meyer has become a benchmark in the industry. The centerpiece is the development of innovative reflectors and optical lenses. Depending on the area of application, we offer optimized systems for directing light. This combined with perfect glare 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.

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