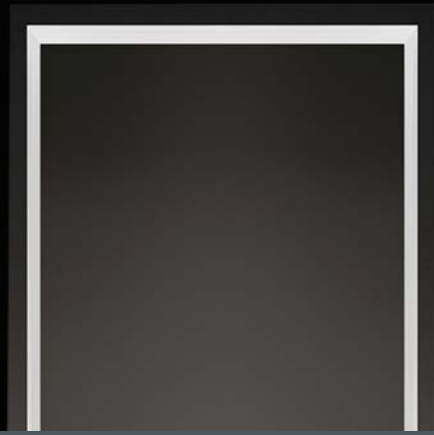




Exterior Lighting 2018/2019





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.

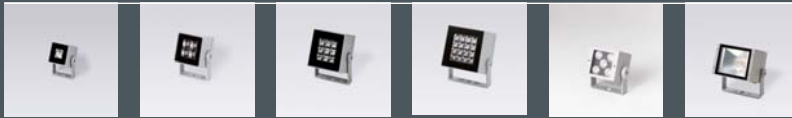
www.meyer-lighting.com



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7 Expolux with wall arm
10 Arlux Mini
11 Arlux/RGBW



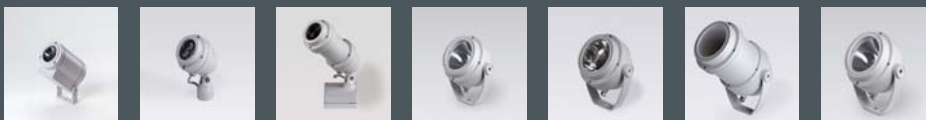
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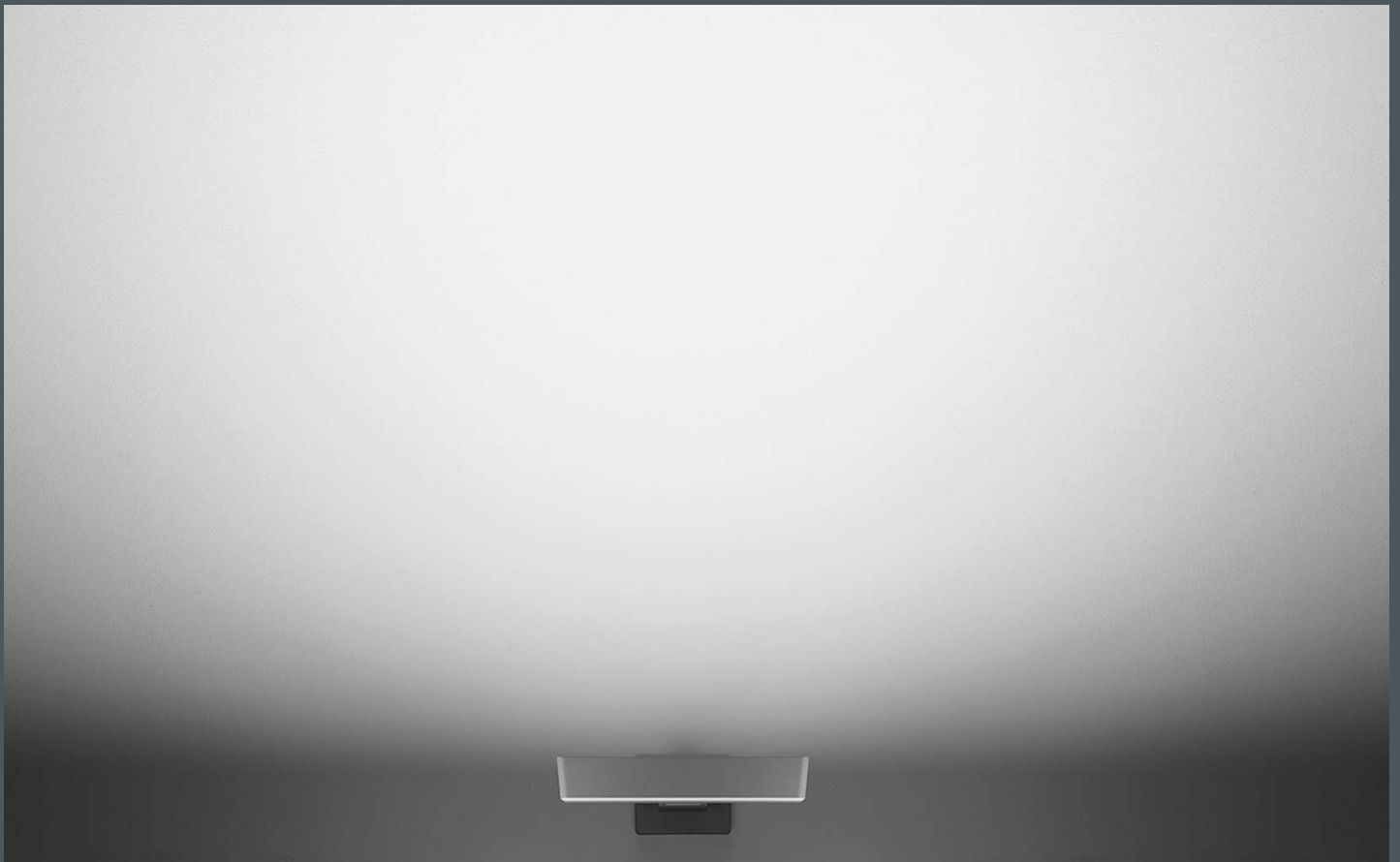


The Expolux range of luminaires illuminates signs or advertising surfaces to a high level of uniformity. The light emitted by an LED module is directed asymmetrically by a special lens onto the surface. High levels of illumination are achieved with very low power consumption. Innovative LED technology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



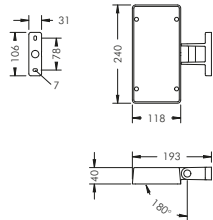
Advertising surfaces of various dimensions can be illuminated uniformly and economically. The luminaires themselves blend discreetly into the background.



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.





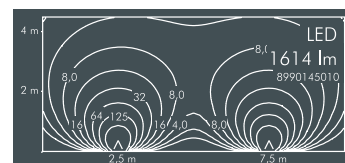
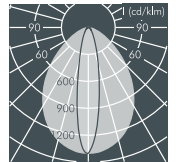
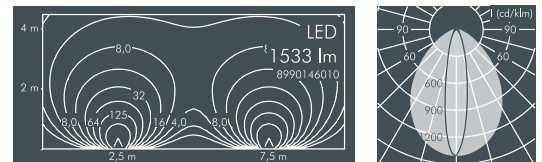
Expolux

With a 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
 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 146 019	black	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				

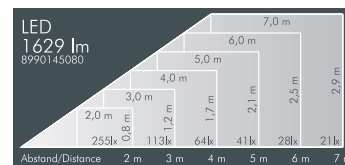
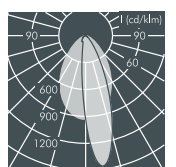
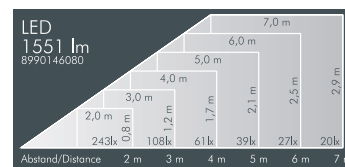
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 145 019	black	1 x LED module 18 W neutral white (4000 K)	1614 lm	C 0 – 180	C 90 – 270
8 990 165 019	white			20°	82°
8 990 155 019	silver grey				



Expolux, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 146 089	black	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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 990 145 089	black	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)

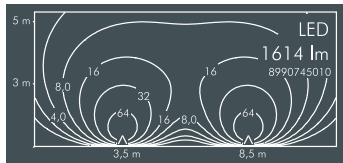
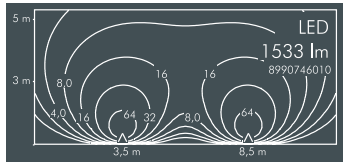
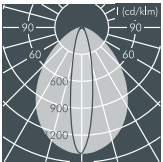
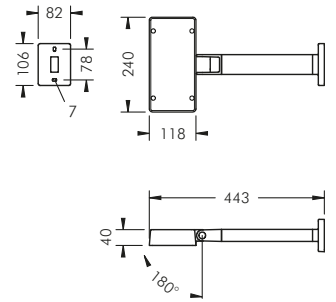
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



Expolux with wall arm

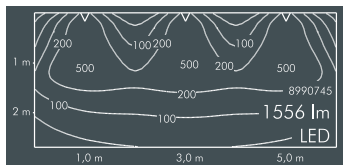
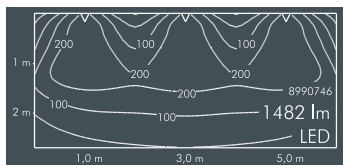
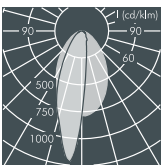
With a high performance LED module, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L80/B10 > 50 000 h
 protection class I, IP65 
 windage area AW 0.04 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 baton lens made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

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 990 745 019	black	1 x LED module 18 W neutral white (4000 K)	1614 lm	20°	82°
8 990 765 019	white				
8 990 755 019	silver grey				



Expolux, sign luminaire

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

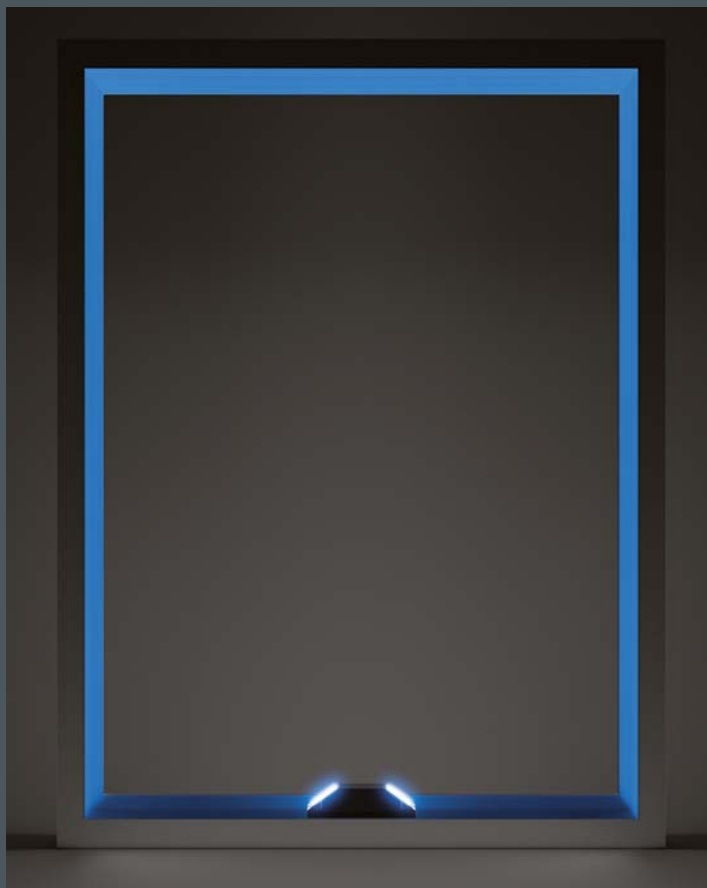
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 990 745 009	black	1 x LED module 18 W neutral white (4000 K)	1556 lm	15°	41°
8 990 765 009	white				
8 990 755 009	silver grey				

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

LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request





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.

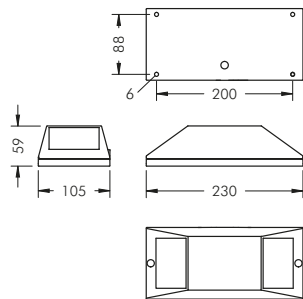




The structure of a façade can be emphasized by illuminating the window reveals. The result is the impressive highlighting of a building at night.



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



Arclux Mini

With 2 x 2 W high performance LEDs, CRI: > 90, Colour tolerance: max. 2 SDCM
 Service life: L80/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)

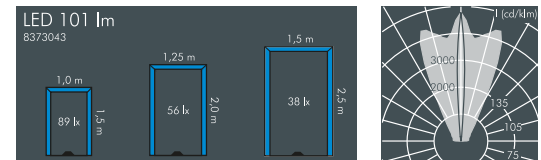
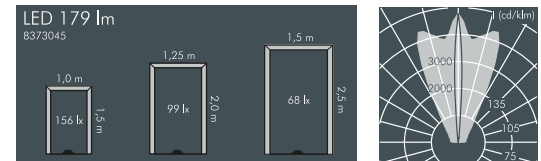
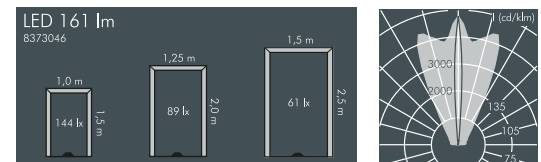
Arclux Mini

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

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

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

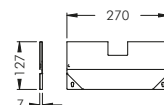
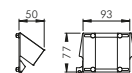
* The luminaire can also be supplied with monochrome LEDs (amber, red, green) upon request.
 DMX/DALI control with external converter



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







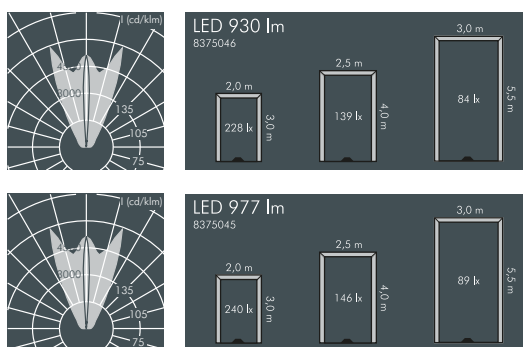
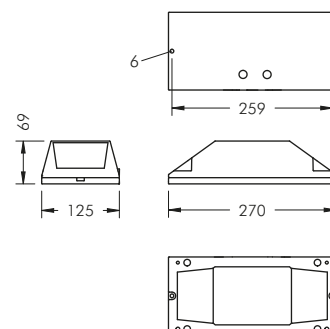
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



Arclux

With 2 x 6.5 W 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)






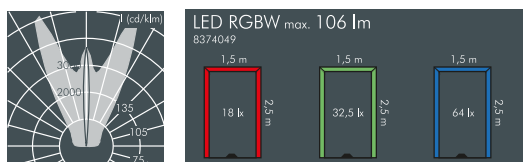
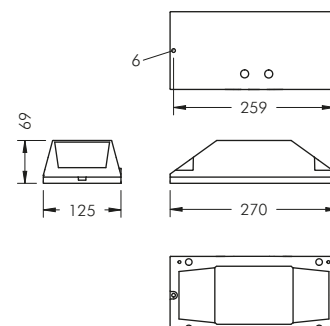
Arclux					
Part number	Colour	Light source*	Luminous flux	Main beam angle γ	
8 375 046 009	black	2 x LED 6.5 W warm white (3000 K)	930 lm	C 0 – 180	C 90 – 270
8 375 066 009	white			10°	180°
8 375 056 009	silver grey				
Part number	Colour	Light source*	Luminous flux	Main beam angle γ	
8 375 045 009	black	2 x LED 6.5 W neutral white (4000 K)	977 lm	C 0 – 180	C 90 – 270
8 375 065 009	white			10°	180°
8 375 055 009	silver grey				

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

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

Arclux RGBW

With 2 x 4 x 1.5 W RGBW high performance LEDs
 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 fixing 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

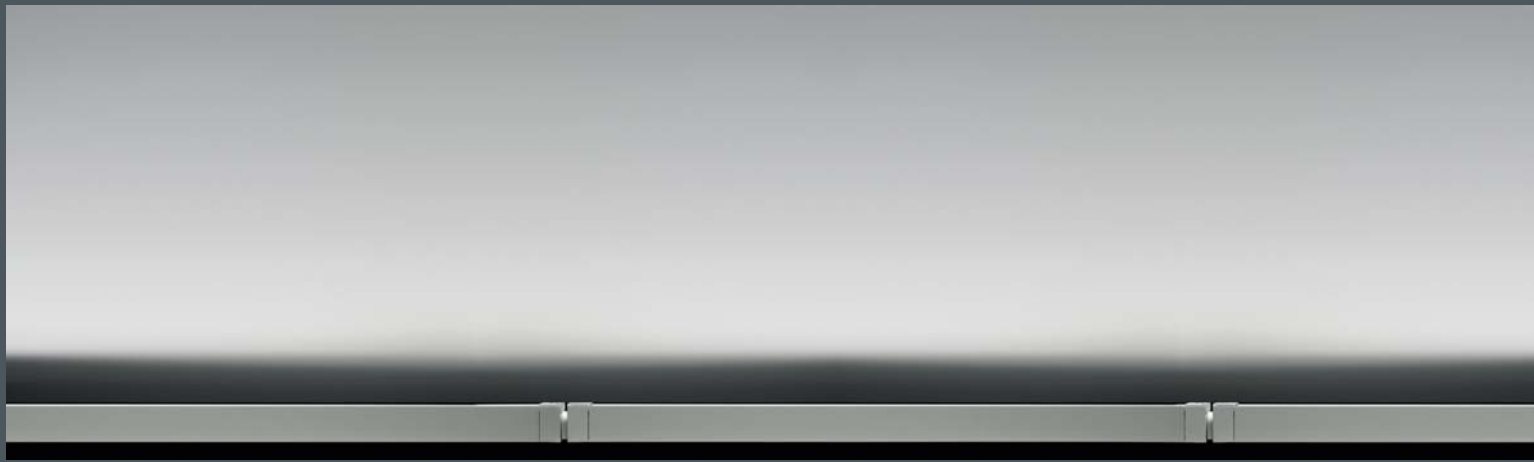


Arclux RGBW					
Part number	Colour	Light source*	Luminous flux	Main beam angle γ	
8 374 049 009	black	2 x LED RGBW max. 12 W	max. 106 lm	C 0 – 180	C 90 – 270
8 374 069 009	white			12°	180°
8 374 059 009	silver grey				

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

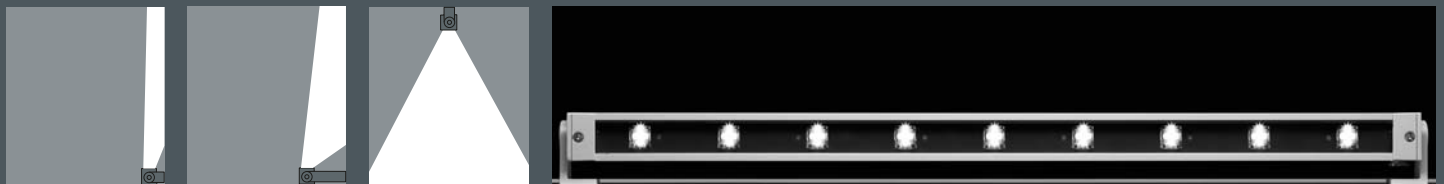
LED (see page 185)

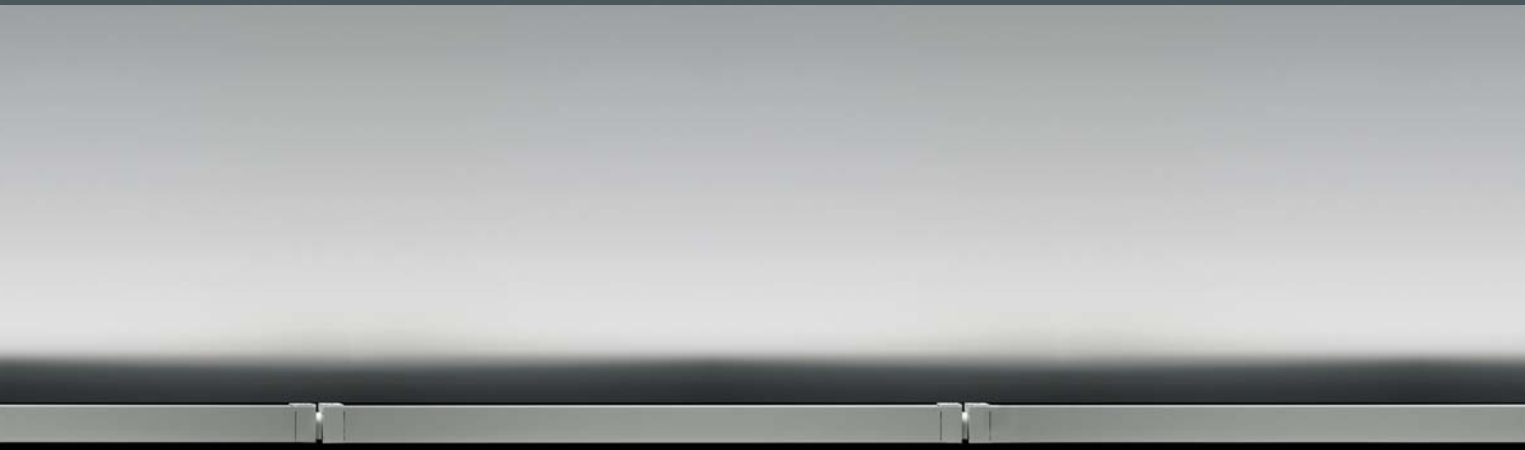




Ecoline is a luminaire series with wall washer, asymmetric or wide beam light distribution and comes in various different lengths. In addition to stand alone luminaires, there is also a modular system for creating continuous lines with hardly any shadow between the modules. A combination of innovative 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.





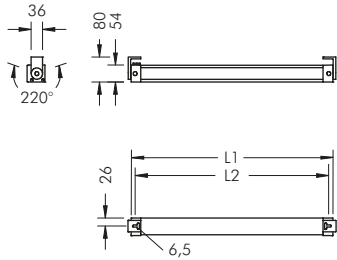
Design: Roy Fleetwood



Luminaires with wall washer optics are extremely wide beam in the horizontal plane and narrow beam in the vertical plane.



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



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, 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, 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	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 946 009	black	3 x LED 2.5 W warm white (3000 K)	533 lm	12°	108°
8 792 966 009	white				
8 792 956 009	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 945 009	black	3 x LED 2.5 W neutral white (4000 K)	570 lm	12°	108°
8 792 965 009	white				
8 792 955 009	silver grey				

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

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 046 009	black	6 x LED 2.5 W warm white (3000 K)	1059 lm	12°	108°
8 792 066 009	white				
8 792 056 009	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 045 009	black	6 x LED 2.5 W neutral white (4000 K)	1133 lm	12°	108°
8 792 065 009	white				
8 792 055 009	silver grey				

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

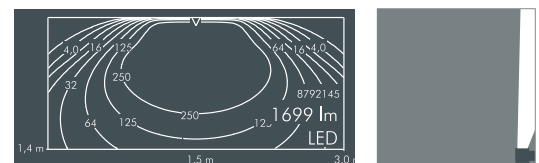
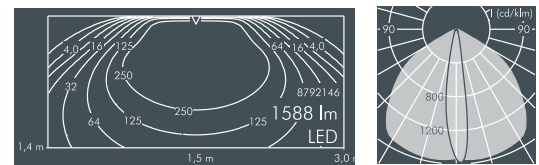
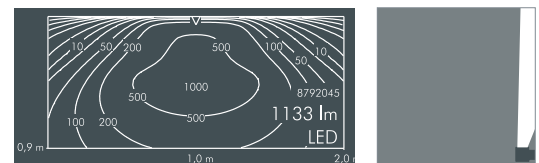
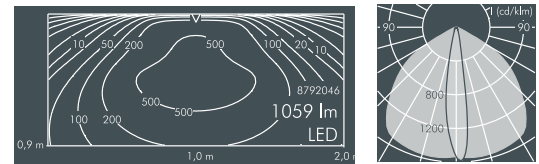
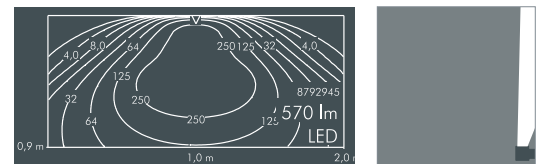
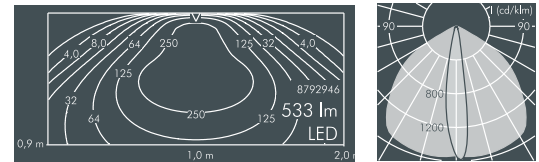
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 146 009	black	9 x LED 2.5 W warm white (3000 K)	1588 lm	12°	108°
8 792 166 009	white				
8 792 156 009	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 145 009	black	9 x LED 2.5 W neutral white (4000 K)	1699 lm	12°	108°
8 792 165 009	white				
8 792 155 009	silver grey				

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

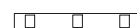
*Not available for luminaire L1 = 362 mm

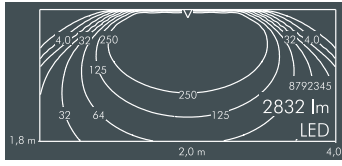
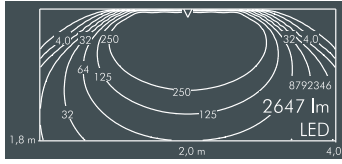
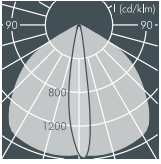
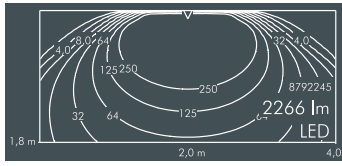
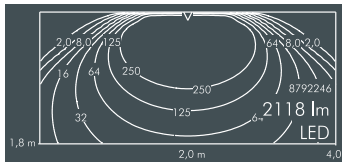
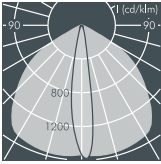
**Luminaires with two cable glands available upon request



LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request





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

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 246 009	black	12 x LED 2.5 W warm white (3000 K)	2118 lm	12°	108°
8 792 266 009	white				
8 792 256 009	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 245 009	black	12 x LED 2.5 W neutral white (4000 K)	2266 lm	12°	108°
8 792 265 009	white				
8 792 255 009	silver grey				

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

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 346 009	black	15 x LED 2.5 W warm white (3000 K)	2647 lm	12°	108°
8 792 366 009	white				
8 792 356 009	silver grey				

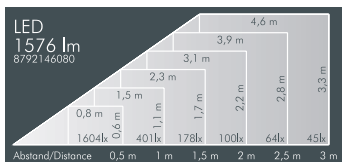
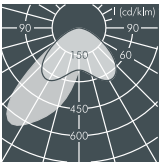
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 792 345 009	black	15 x LED 2.5 W neutral white (4000 K)	2832 lm	12°	108°
8 792 365 009	white				
8 792 355 009	silver grey				



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

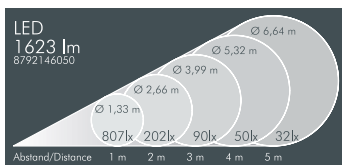
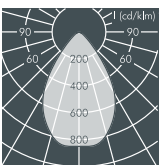
Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 792 146 089	black	9 x LED 2.5 W warm white (3000 K)	1576 lm	36°
8 792 166 089	white			
8 792 156 089	silver grey			



Ecoline, wide beam**

Part number	Description
. 5.	Luminaires with wide beam distribution

**The luminaires are available in 5 different lengths.



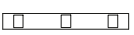
Ecoline, wide beam, L1 = 962 mm, L2 = 915 mm

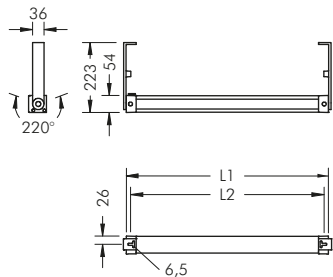
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 792 146 059	black	9 x LED 2.5 W warm white (3000 K)	1623 lm	67°
8 792 166 059	white			
8 792 156 059	silver grey			

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 185)
 Luminaires available in 2700 K and other colour temperatures on 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, IP65 , 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	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 793 946 009	black	3 x LED 2.5 W warm white (3000 K)	533 lm	12°	108°
8 793 966 009	white				
8 793 956 009	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 793 945 009	black	3 x LED 2.5 W neutral white (4000 K)	570 lm	12°	108°
8 793 965 009	white				
8 793 955 009	silver grey				

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

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 793 046 009	black	6 x LED 2.5 W warm white (3000 K)	1059 lm	12°	108°
8 793 066 009	white				
8 793 056 009	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 793 045 009	black	6 x LED 2.5 W neutral white (4000 K)	1133 lm	12°	108°
8 793 065 009	white				
8 793 055 009	silver grey				

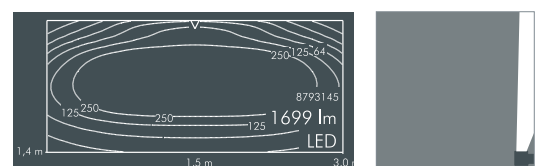
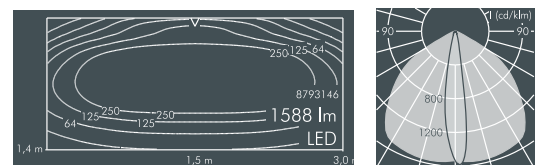
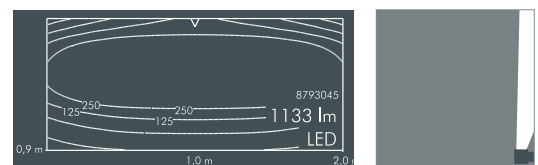
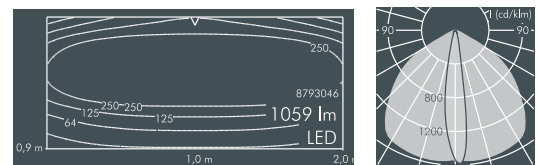
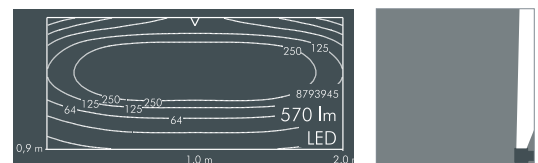
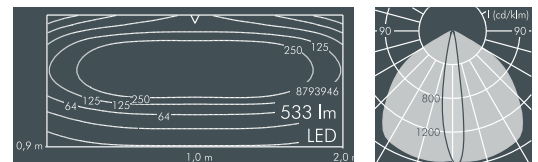
Ecoline, wall washer with wall arms, L1 = 962 mm, L2 = 915 mm

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 793 146 009	black	9 x LED 2.5 W warm white (3000 K)	1588 lm	12°	108°
8 793 166 009	white				
8 793 156 009	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 793 145 009	black	9 x LED 2.5 W neutral white (4000 K)	1699 lm	12°	108°
8 793 165 009	white				
8 793 155 009	silver grey				

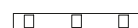
Part number**	Description
. 1..	Dimmable luminaire (DALI)*
. 2..	Dimmable luminaire (1-10 V)*

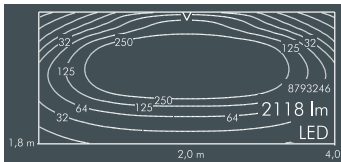
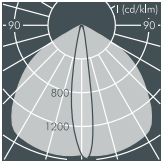
*Not available for luminaire L1 = 362 mm
**Luminaires with two cable glands available upon request



LED (see page 185)

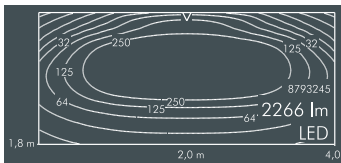
Luminaires available in 2700 K and other colour temperatures on request



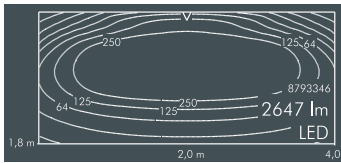
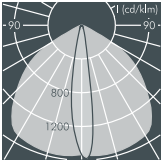


Ecoline, wall washer with wall arms, L1 = 1262 mm, L2 = 1215 mm

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

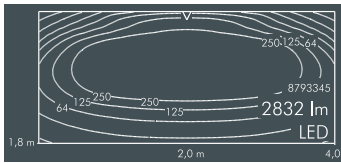


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 793 245 009	black	12 x LED 2.5 W neutral white (4000 K)	2266 lm	12°	108°
8 793 265 009	white				
8 793 255 009	silver grey				



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

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



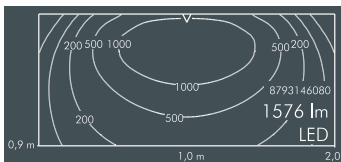
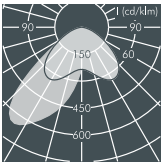
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 793 345 009	black	15 x LED 2.5 W neutral white (4000 K)	2832 lm	12°	108°
8 793 365 009	white				
8 793 355 009	silver grey				



Ecoline, asymmetrical beam with wall arm*

Part number	Description
. 8.	Luminaires with asymmetrical distribution

*The luminaires are available in 5 different lengths.



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

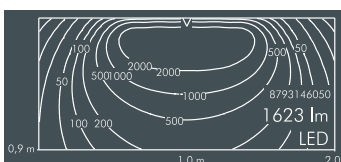
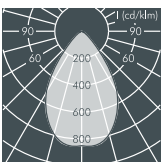
Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 793 146 089	black	9 x LED 2.5 W warm white (3000 K)	1576 lm	36°
8 793 166 089	white			
8 793 156 089	silver grey			



Ecoline, wide beam with wall arm*

Part number	Description
. 5.	Luminaires with wide beam distribution

*The luminaires are available in 5 different lengths.



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

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 793 146 059	black	9 x LED 2.5 W warm white (3000 K)	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 185)

Luminaires available in 2700 K and other colour temperatures on request



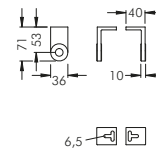


Ecoline S Modular System

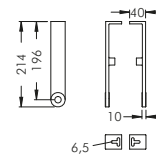
The luminaire modules are joined together in continuous runs. The luminaire system is installed using either wall flanges or wall arms. The wall arms increase the distance between the luminaire and the surface to be illuminated, thus increasing the uniformity of light distribution.

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	

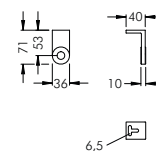


Mounting components for Ecoline S Modular System		
Part number	Colour	Description
127 0 300 940	black	Wall arm set, (pair) for outer luminaires, length 196 mm
127 0 300 960	white	
127 0 300 950	silver grey	



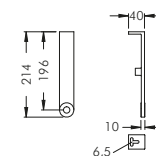
To connect two luminaires together, either one connection flange **or** one connection arm is required. The number of these connection parts required equals the total number of luminaires minus 1.

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	

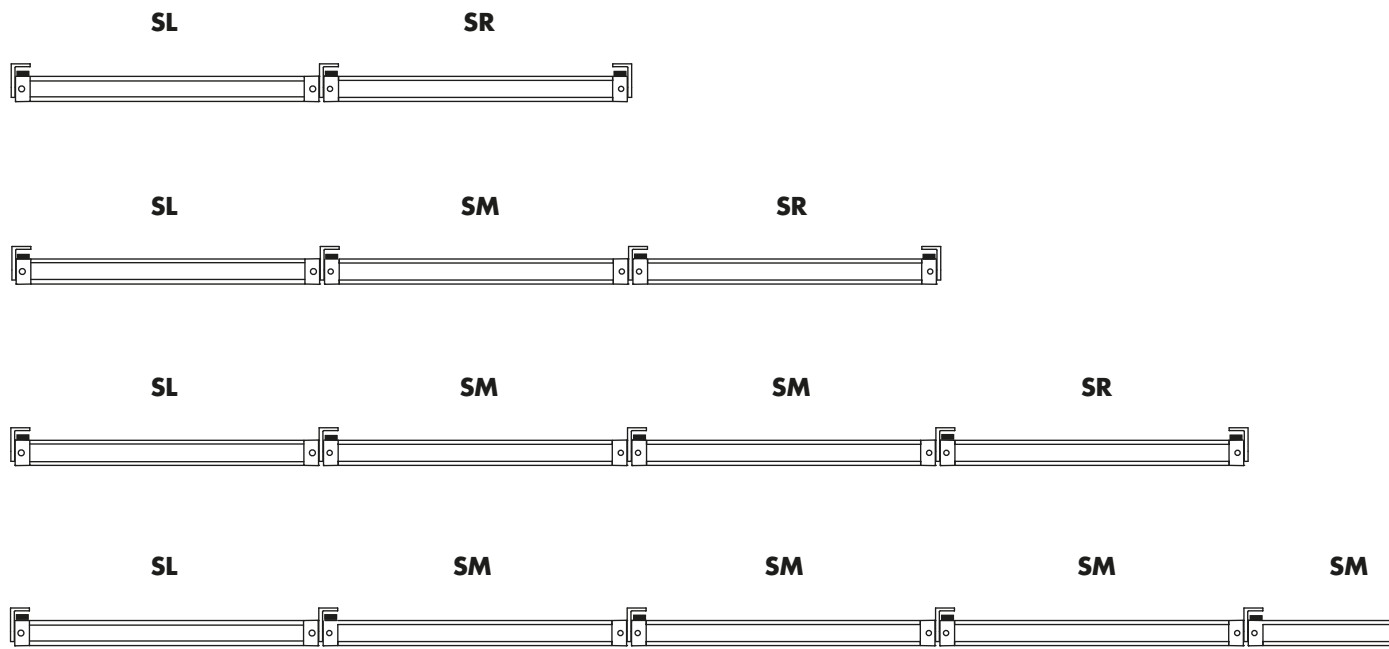
Mounting components for Ecoline S Modular System		
Part number	Colour	Description
127 0 302 940	black	Connection arm c/w 3-core cable for through wiring, for connection of 2 luminaires, length 196 mm
127 0 302 960	white	
127 0 302 950	silver grey	



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



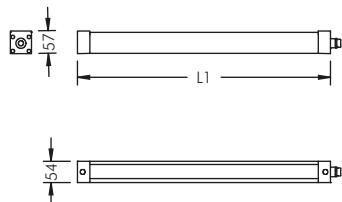
Ecoline SM Modular System, middle

One cable entry on the left




Ecoline SR Modular System, right

Two cable entries right and left

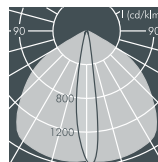


Ecoline SL Modular System (LED), left

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)

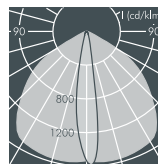
Ecoline SL, left, wall washer, L1 = 642 mm

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 797 046 009	black	6 x LED 2.5 W warm white (3000 K)	1059 lm	12°	108°
8 797 066 009	white				
8 797 056 009	silver grey				



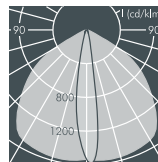
Ecoline SL, left, wall washer, L1 = 942 mm

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 797 146 009	black	9 x LED 2.5 W warm white (3000 K)	1588 lm	12°	108°
8 797 166 009	white				
8 797 156 009	silver grey				



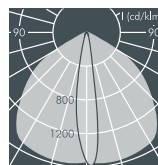
Ecoline SL, left, wall washer, L1 = 1242 mm

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 797 246 009	black	12 x LED 2.5 W warm white (3000 K)	2118 lm	12°	108°
8 797 266 009	white				
8 797 256 009	silver grey				



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

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 797 346 009	black	15 x LED 2.5 W warm white (3000 K)	2647 lm	12°	108°
8 797 366 009	white				
8 797 356 009	silver grey				



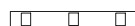
Ecoline SL, left, wall washer

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.

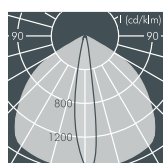
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



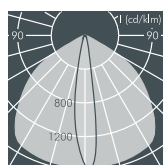
Ecoline SM Modular System (LED), middle

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)



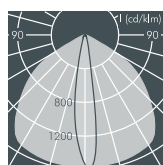
Ecoline SM, middle, wall washer, L1 = 642 mm

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 798 046 009	black	6 x LED 2.5 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				



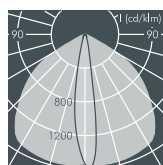
Ecoline SM, middle, wall washer, L1 = 942 mm

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 798 146 009	black	9 x LED 2.5 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 798 246 009	black	12 x LED 2.5 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 798 346 009	black	15 x LED 2.5 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				

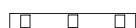
Ecoline SM, middle, wall washer

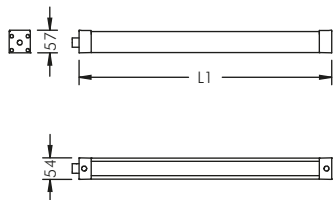
Part number	Description
. 5 . . .	Luminaire with neutral white colour temperature (4000 K)
. 1 . .	Dimmable luminaire (DALI)
. 2 . .	Dimmable luminaire (1-10 V)

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





LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



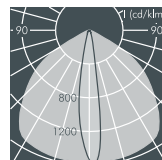


Ecoline SR Modular System (LED), right

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)

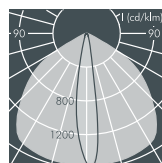
Ecoline SR, right, wall washer, L1 = 642 mm

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 799 046 009	black	6 x LED 2.5 W warm white (3000 K)	1059 lm	12°	108°
8 799 066 009	white				
8 799 056 009	silver grey				



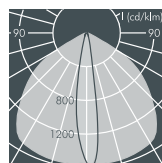
Ecoline SR, right, wall washer, L1 = 942 mm

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 799 146 009	black	9 x LED 2.5 W warm white (3000 K)	1588 lm	12°	108°
8 799 166 009	white				
8 799 156 009	silver grey				



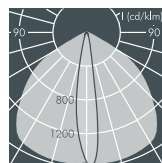
Ecoline SR, right, wall washer, L1 = 1242 mm

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 799 246 009	black	12 x LED 2.5 W warm white (3000 K)	2118 lm	12°	108°
8 799 266 009	white				
8 799 256 009	silver grey				



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

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 799 346 009	black	15 x LED 2.5 W warm white (3000 K)	2647 lm	12°	108°
8 799 366 009	white				
8 799 356 009	silver grey				



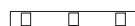
Ecoline SR, right, wall washer

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 185)

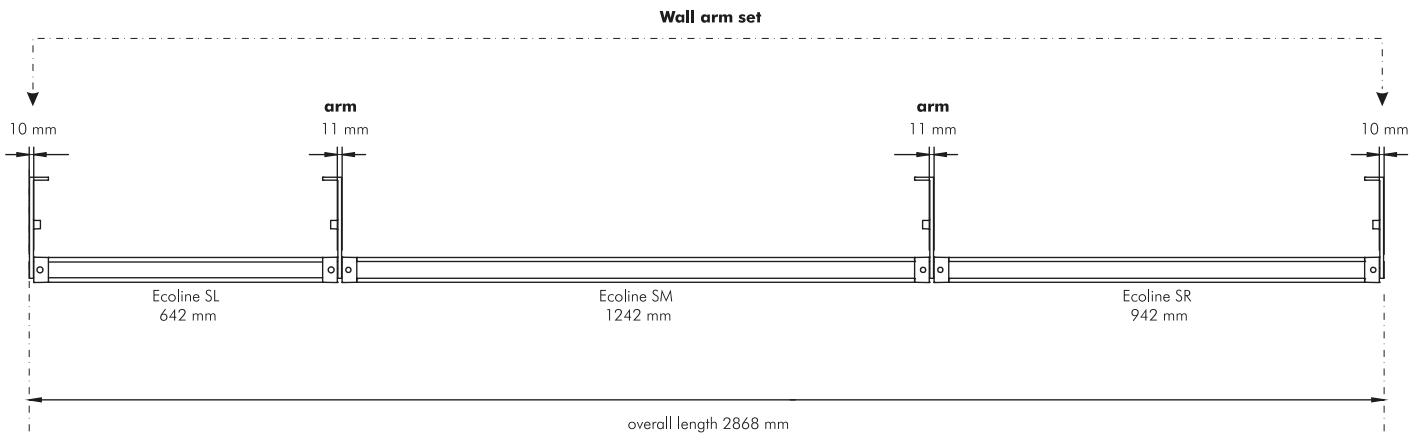
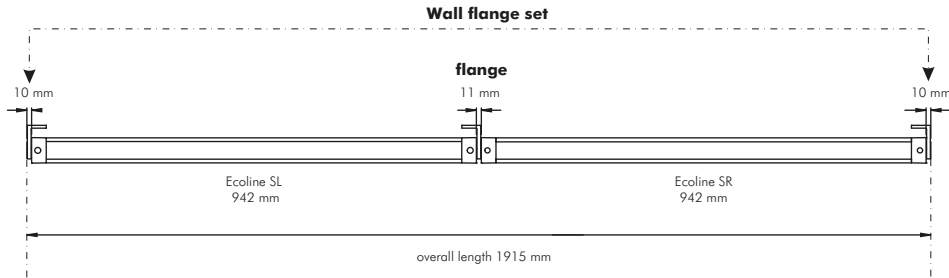
Luminaires available in 2700 K and other colour temperatures on request

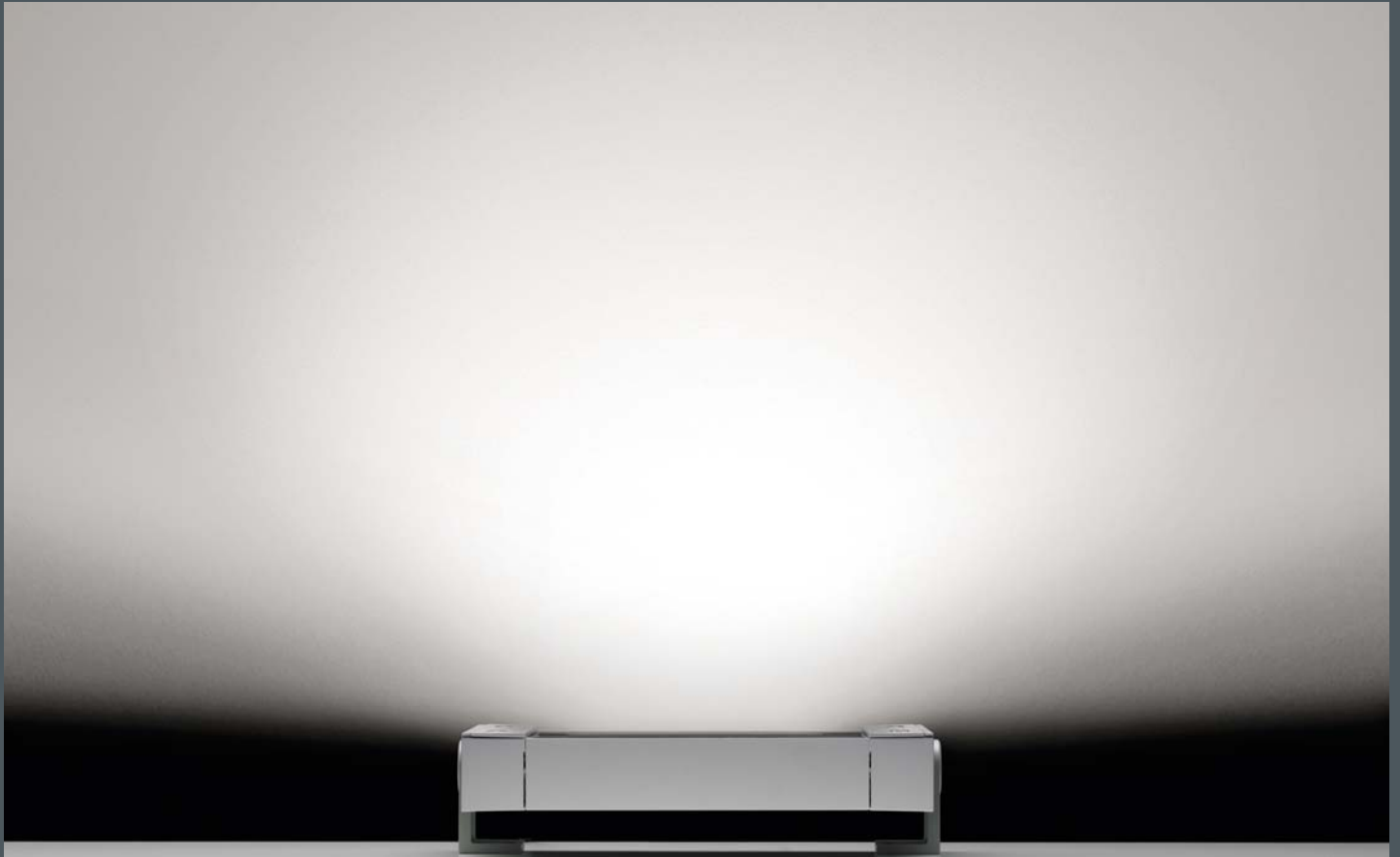


System examples

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.





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.



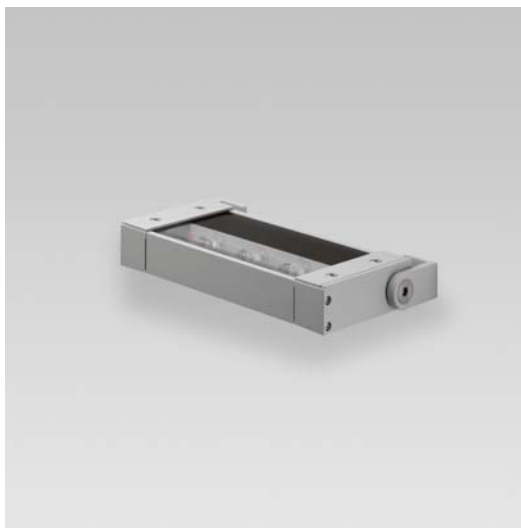
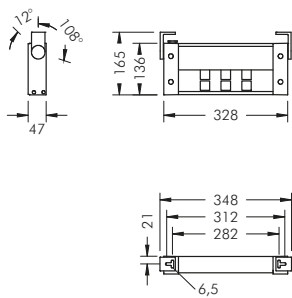
82 Baker Street, London/UK
Lighting design:
Tony Rimmer, Studio 29, London




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.



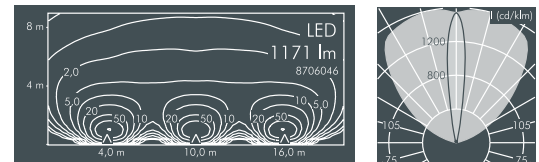


Ecovision Mini wall washer

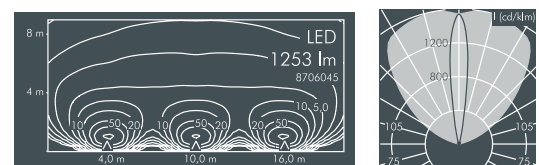
With 6 x 2.5 W high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK10
 housing made of extruded aluminium and corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 706 046 009	black	6 x LED 2.5 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 706 045 009	black	6 x LED 2.5 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

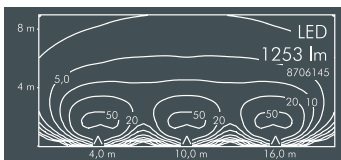
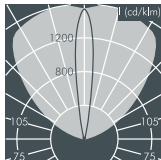
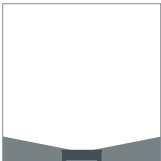
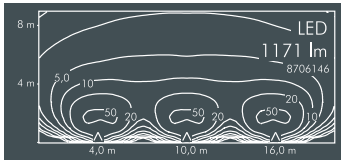
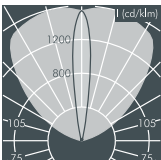
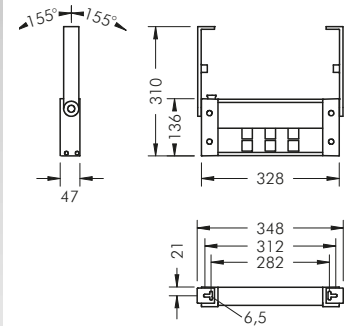
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



**Ecovision Mini
wall washer with wall arms**

With 6 x 2.5 W 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 , 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 706 146 009	black	6 x LED 2.5 W warm white (3000 K)	1171 lm	C 0 – 180	C 90 – 270
8 706 166 009	white				
8 706 156 009	silver grey				

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 706 145 009	black	6 x LED 2.5 W neutral white (4000 K)	1253 lm	C 0 – 180	C 90 – 270
8 706 165 009	white				
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 185)

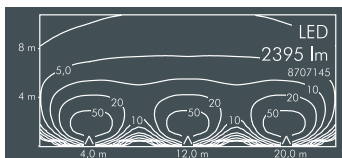
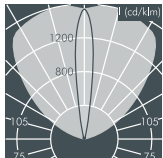
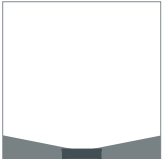
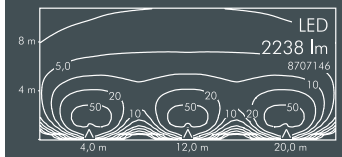
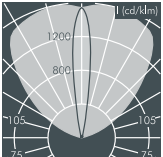
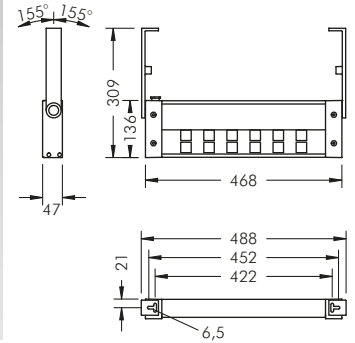
Luminaires available in 2700 K and other colour temperatures on request



Ecovision

wall washer with wall arms

With 12 x 2.5 W 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 , IK10
 housing made of extruded aluminium and
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 all exterior steel parts are stainless steel,
 polycarbonate cover, silicon gasket,
 closure by 4 stainless steel screws,
 wall arms: 2 drilled holes \varnothing 6.5 mm,
 spacing 422 mm, tilt range 310°,
 PG11 cable gland, integral driver (AC/DC)



Ecovision, wall washer with wall arms

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 707 146 009	black	12 x LED 2.5 W warm white (3000 K)	2238 lm	15°	103°
8 707 166 009	white				
8 707 156 009	silver grey				

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 707 145 009	black	12 x LED 2.5 W neutral white (4000 K)	2395 lm	15°	103°
8 707 165 009	white				
8 707 155 009	silver grey				

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

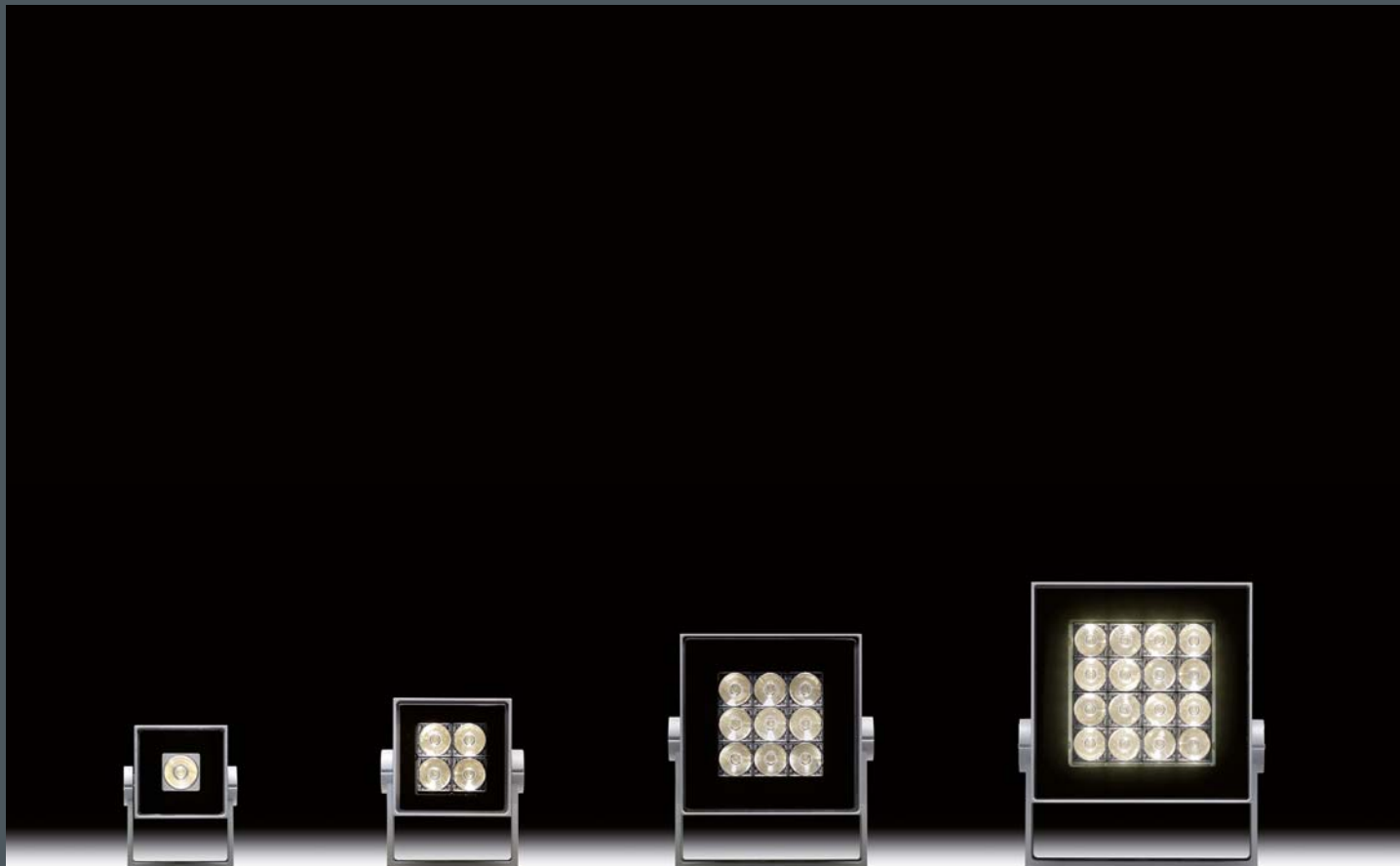
* Luminaires with two cable glands available upon request

Upon request these luminaires are available with 12 x LED 1.5 W for high ambient temperature (t_{max} 50°C).

LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request





Superlight Nano is the latest generation of extremely compact floodlights. 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.



Thanks to their compact dimensions and neutral design, these luminaires can be integrated discreetly into any façade.

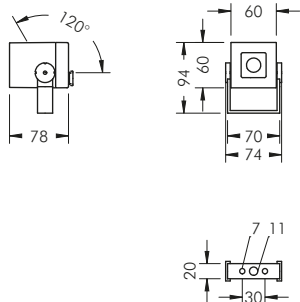


Regent Street, London/UK
Lighting design: Tony Rimmer, Studio 29, London



Superlight Nano 1

Equipped with 1 x 3 W 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 817 046 019	black	1 x LED 3 W	161 lm	7°
8 817 066 019	white	warm white (3000 K)		
8 817 056 019	silver grey			

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

Superlight Nano 1, linear beam spread, vertical

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

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 817 045 029	black	1 x LED 3 W	162 lm	51°	8°
8 817 065 029	white	neutral white (4000 K)			
8 817 055 029	silver grey				

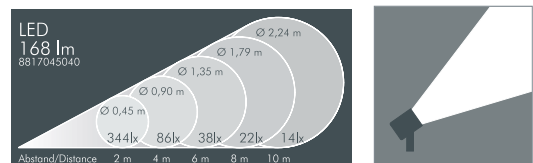
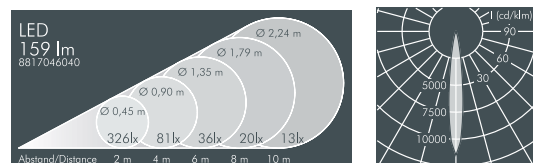
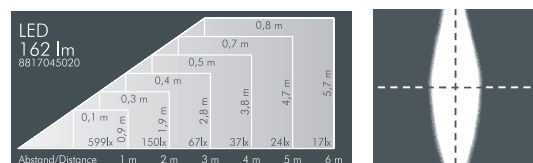
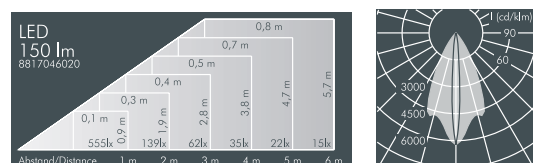
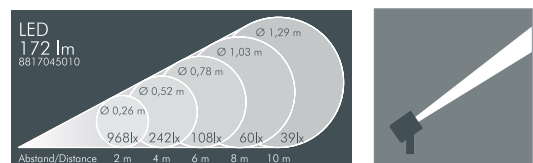
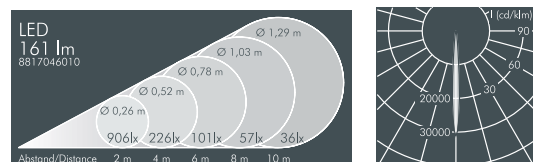
Part number*	Description
.3.	Luminaire with linear beam spread, horizontal

Superlight Nano 1, medium wide beam

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

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

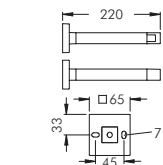
*Dimmable luminaires (DALI or 1–10 V) with external control gear unit and with further distribution options are available upon request.



LED (see page 185)

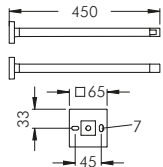
Luminaires available in 2700 K and other colour temperatures on request



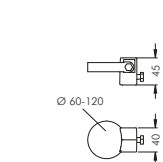


Accessories Superlight Nano

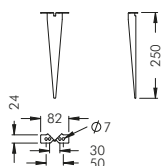
Part number	Colour	Description
128 0 738 940	black	Wall arm 220 mm,
128 0 738 960	white	aluminium, polyester powder coated
128 0 738 950	silver grey	



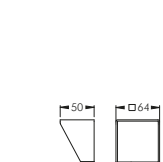
Part number	Colour	Description
128 0 739 940	black	Wall arm 450 mm,
128 0 739 960	white	aluminium, polyester powder coated
128 0 739 950	silver grey	



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

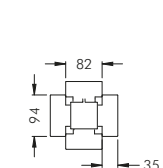


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

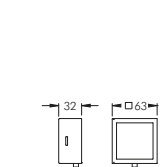


Accessories Superlight Nano 1

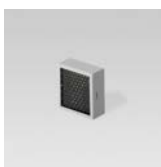
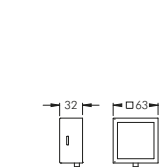
Part number	Colour	Description
128 0 653 940	black	Cowl, stainless steel,
128 0 653 960	white	to avoid glare from 3 directions,
128 0 653 950	silver grey	for retro-fitting



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



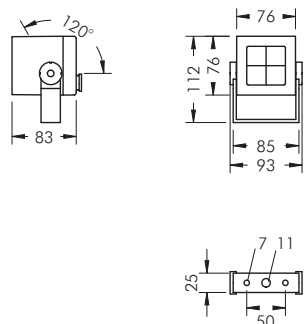
Part number	Colour	Description
128 0 751 941	black	Carrier frame,
128 0 751 961	white	with safety glass,
128 0 751 951	silver grey	for colour filters, lenses and plastic film



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

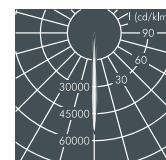
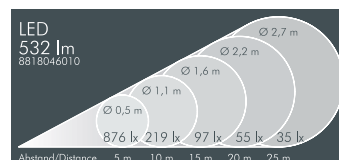
Superlight Nano 2

Equipped with 4 x 1.5 W 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)

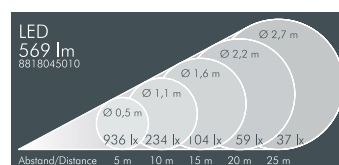


Superlight Nano 2, narrow beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 818 046 019	black	4 x LED 1.5 W	532 lm	6°
8 818 066 019	white	warm white (3000 K)		
8 818 056 019	silver grey			

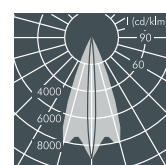
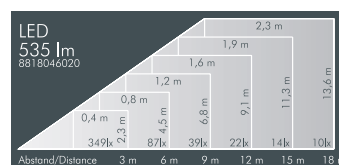


Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 818 045 019	black	4 x LED 1.5 W	569 lm	6°
8 818 065 019	white	neutral white (4000 K)		
8 818 055 019	silver grey			

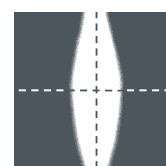
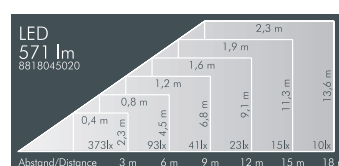


Superlight Nano 2, linear beam spread, vertical

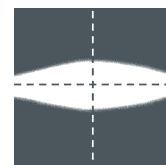
Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 818 046 029	black	4 x LED 1.5 W	535 lm	41°	7°
8 818 066 029	white	warm white (3000 K)			
8 818 056 029	silver grey				



Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 818 045 029	black	4 x LED 1.5 W	571 lm	41°	7°
8 818 065 029	white	neutral white (4000 K)			
8 818 055 029	silver grey				

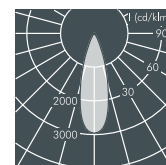
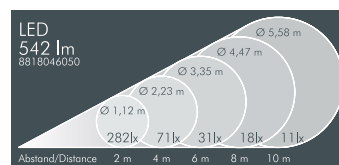


Part number*	Description
. 3.	Luminaire with linear beam spread, horizontal

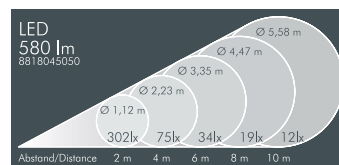


Superlight Nano 2, wide beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 818 046 059	black	4 x LED 1.5 W	542 lm	31°
8 818 066 059	white	warm white (3000 K)		
8 818 056 059	silver grey			



Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 818 045 059	black	4 x LED 1.5 W	580 lm	31°
8 818 065 059	white	neutral white (4000 K)		
8 818 055 059	silver grey			

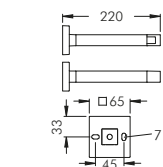


*Dimmable luminaires (DALI or 1-10 V) with external control gear unit and with further distribution options are available upon request.

LED (see page 185)

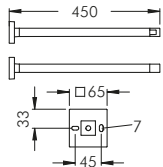
Luminaires available in 2700 K and other colour temperatures on request



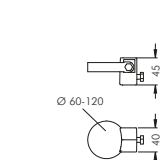


Accessories Superlight Nano

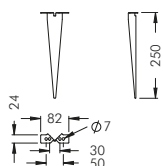
Part number	Colour	Description
128 0 738 940	black	Wall arm 220 mm,
128 0 738 960	white	aluminium, polyester powder coated
128 0 738 950	silver grey	



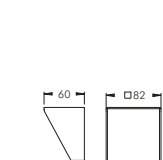
Part number	Colour	Description
128 0 739 940	black	Wall arm 450 mm,
128 0 739 960	white	aluminium, polyester powder coated
128 0 739 950	silver grey	



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

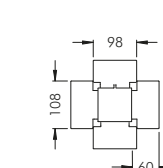


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

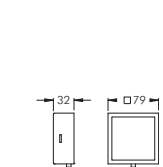


Accessories Superlight Nano 2

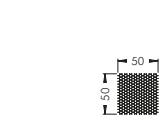
Part number	Colour	Description
128 0 664 940	black	Cowl, stainless steel,
128 0 664 960	white	to avoid glare from 3 directions,
128 0 664 950	silver grey	for retro-fitting



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

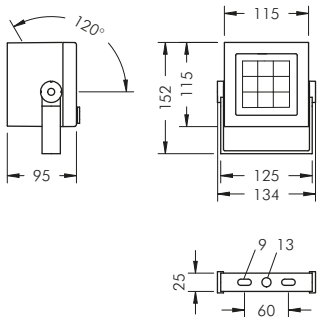


Part number	Colour	Description
128 0 752 941	black	Carrier frame,
128 0 752 961	white	with safety glass,
128 0 752 951	silver grey	for colour filters, lenses and plastic film



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



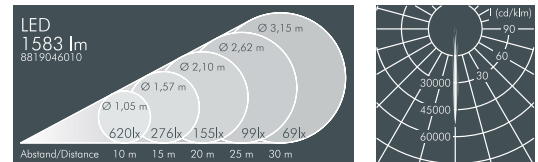


Superlight Nano 3

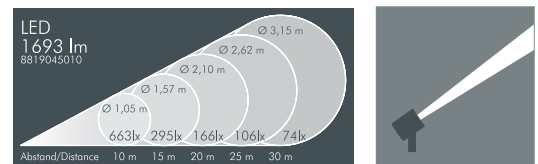
Equipped with 9 x 2.5 W high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 , IK08
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 all exterior steel parts are stainless steel, tempered safety glass, silicon gasket,
 powder coated die cast zinc mounting bracket with tilt scale:
 2 drilled holes Ø 9 mm, spacing 60 mm,
 1 centre hole Ø 13 mm, tilt range 120°, M20 cable gland, integral driver (AC/DC)

Superlight Nano 3, narrow beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 819 046 019	black	9 x LED 2.5 W	1583 lm	6°
8 819 066 019	white	warm white (3000 K)		
8 819 056 019	silver grey			

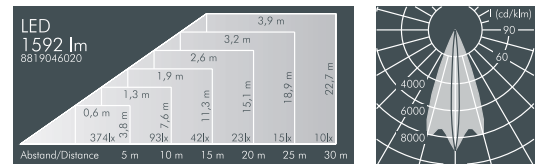


8 819 045 019	black	9 x LED 2.5 W	1693 lm	6°
8 819 065 019	white	neutral white (4000 K)		
8 819 055 019	silver grey			

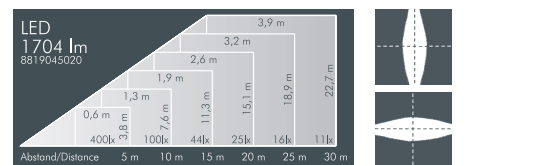


Superlight Nano 3, linear beam spread, vertical

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 819 046 029	black	9 x LED 2.5 W	1592 lm	41°	7°
8 819 066 029	white	warm white (3000 K)			
8 819 056 029	silver grey				



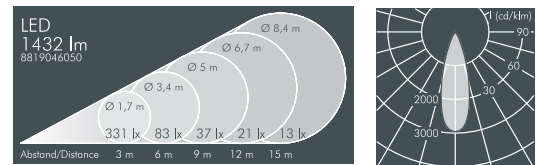
8 819 045 029	black	9 x LED 2.5 W	1704 lm	41°	7°
8 819 065 029	white	neutral white (4000 K)			
8 819 055 029	silver grey				



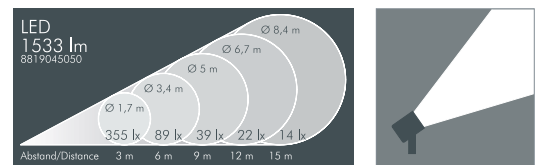
Part number*	Description
.3.	Luminaire with linear beam spread, horizontal

Superlight Nano 3, wide beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 819 046 059	black	9 x LED 2.5 W	1432 lm	31°
8 819 066 059	white	warm white (3000 K)		
8 819 056 059	silver grey			



8 819 045 059	black	9 x LED 2.5 W	1533 lm	31°
8 819 065 059	white	neutral white (4000 K)		
8 819 055 059	silver grey			



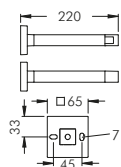
Part number*	Description
. 1..	Dimmable version (DALI)
. 2..	Dimmable version (1-10 V)
. 4..	Luminaire with 2 cable glands for through wiring

*Luminaires available with other light distributions on request

LED (see page 185)

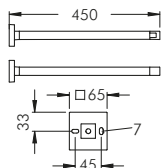
Luminaires available in 2700 K and other colour temperatures on request



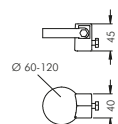


Accessories Superlight Nano

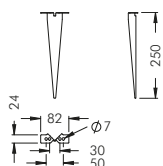
Part number	Colour	Description
128 0 738 940	black	Wall arm 220 mm,
128 0 738 960	white	aluminium, polyester powder coated
128 0 738 950	silver grey	



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	

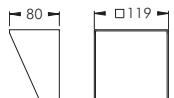


Part number	Colour	Description
128 0 760 940	black	Pole clamp, aluminium,
128 0 760 960	white	polyester powder coated, stainless steel strap,
128 0 760 950	silver grey	for mounting on poles \varnothing 60 - 120 mm

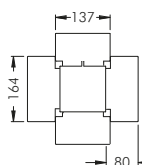


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

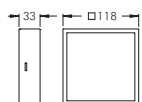
Accessories Superlight Nano 3



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



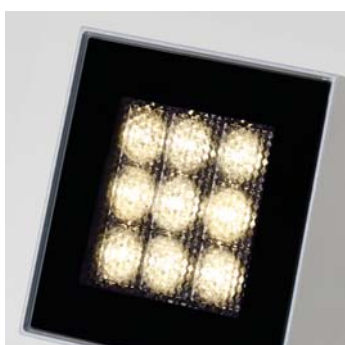
Part number	Colour	Description
128 0 763 940	black	Barn doors, aluminium,
128 0 763 960	white	to avoid glare from 4 directions,
128 0 763 950	silver grey	for retro-fitting



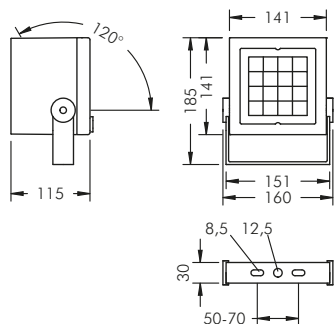
Part number	Colour	Description
128 0 753 941	black	Carrier frame,
128 0 753 961	white	with safety glass,
128 0 753 951	silver grey	for colour filters, lenses and plastic film



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.



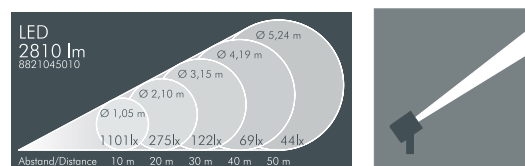
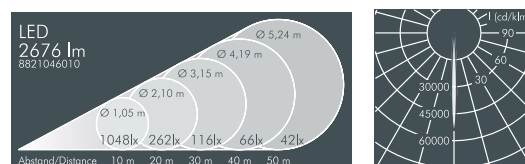
Superlight Nano 4

Equipped with 16 x 2.5 W 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 821 046 019	black	16 x LED 2.5 W	2676 lm	6°
8 821 066 019	white	warm white (3000 K)		
8 821 056 019	silver grey			

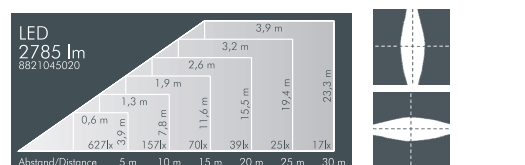
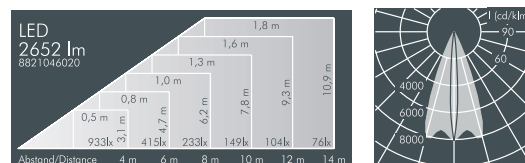
8 821 045 019	black	16 x LED 2.5 W	2810 lm	6°
8 821 065 019	white	neutral white (4000 K)		
8 821 055 019	silver grey			



Superlight Nano 4, linear beam spread, vertical

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 821 046 029	black	16 x LED 2.5 W	2652 lm	43°	8°
8 821 066 029	white	warm white (3000 K)			
8 821 056 029	silver grey				

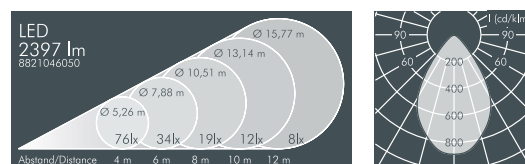
8 821 045 029	black	16 x LED 2.5 W	2785 lm	43°	8°
8 821 065 029	white	neutral white (4000 K)			
8 821 055 029	silver grey				



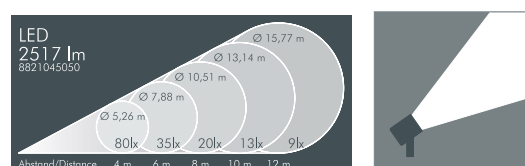
Part number*	Description
.3.	Luminaire with linear beam spread, horizontal

Superlight Nano 4, wide beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 821 046 059	black	16 x LED 2.5 W	2397 lm	66°
8 821 066 059	white	warm white (3000 K)		
8 821 056 059	silver grey			



8 821 045 059	black	16 x LED 2.5 W	2517 lm	66°
8 821 065 059	white	neutral white (4000 K)		
8 821 055 059	silver grey			



Part number*	Description	Beam angle γ (FWHM)
.4.	Luminaire with medium wide beam optics	32°

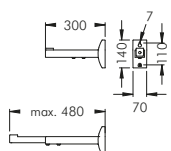
Part number*	Description
. 1..	Dimmable version (DALI)
. 2..	Dimmable version (1-10 V)
. 4..	Luminaire with 2 cable glands for through wiring

*Luminaires available with other light distributions on request

LED (see page 185)

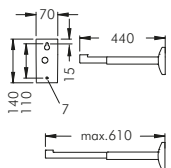
Luminaires available in 2700 K and other colour temperatures on request



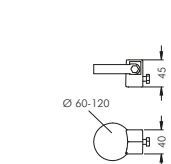


Accessories Superlight Nano

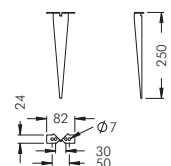
Part number	Colour	Description
128 0 700 940	black	Telescopic wall arm 300 - 480 mm,
128 0 700 960	white	aluminium, polyester powder coated
128 0 700 950	silver grey	



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	

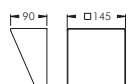


Part number	Colour	Description
128 0 760 940	black	Pole clamp, aluminium,
128 0 760 960	white	polyester powder coated, stainless steel strap,
128 0 760 950	silver grey	for mounting on poles \varnothing 60 - 120 mm

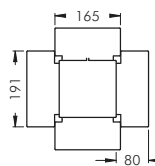


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	

Accessories Superlight Nano 4



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



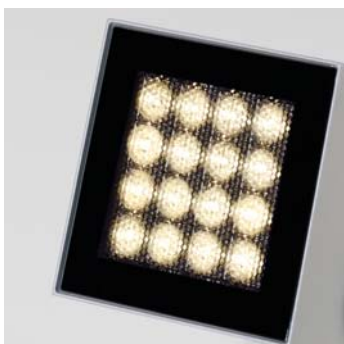
Part number	Colour	Description
128 0 815 940	black	Barn doors, aluminium,
128 0 815 960	white	to avoid glare from 4 directions,
128 0 815 950	silver grey	for retro-fitting

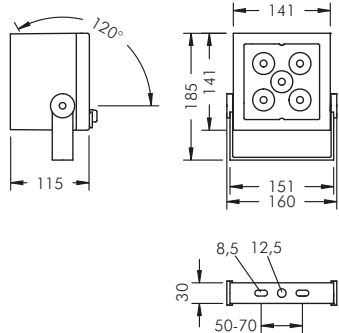


Part number	Colour	Description
128 0 816 941	black	Carrier frame,
128 0 816 961	white	with safety glass,
128 0 816 951	silver grey	for colour filters, lenses and plastic film



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





Superlight Nano 4 RGBW

With 5 x RGBW high performance LEDs,
 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

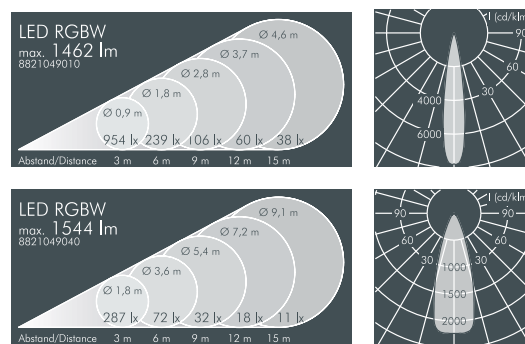
Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 821 049 019	black	5 x LED RGBW max. 47 W (W = 3000 K)	max.	17°
8 821 069 019	white			
8 821 059 019	silver grey			

Superlight Nano 4 RGBW, medium wide beam

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

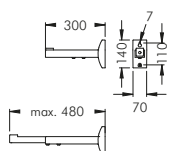
Part number*	Description
. 4..	Luminaire with 4 cable glands for through wiring

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



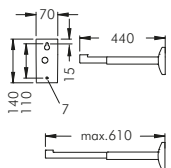
LED (see page 185)



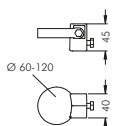


Accessories Superlight Nano

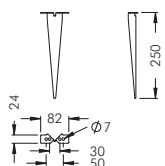
Part number	Colour	Description
128 0 700 940	black	Telescopic wall arm 300 - 480 mm,
128 0 700 960	white	aluminium, polyester powder coated
128 0 700 950	silver grey	



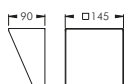
Part number	Colour	Description
128 0 730 940	black	Telescopic wall arm 440 - 610 mm,
128 0 730 960	white	aluminium, polyester powder coated
128 0 730 950	silver grey	



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

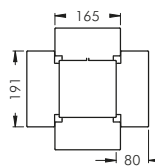


Part number	Colour	Description
129 0 502 940	black	Earth spike, stainless steel,
129 0 502 960	white	for use in landscaped areas
129 0 502 950	silver grey	



Accessories Superlight Nano 4

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



Accessories Superlight Nano 4 RGBW

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



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 now 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.

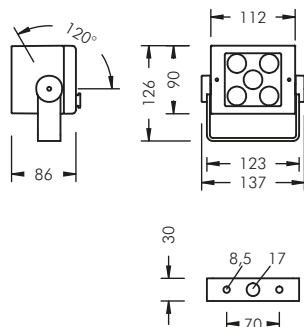





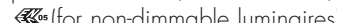
Superlight Compact Micro is the smallest size of the series. There is a choice of different light distributions. Optionally, the LEDs are dimmable.

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



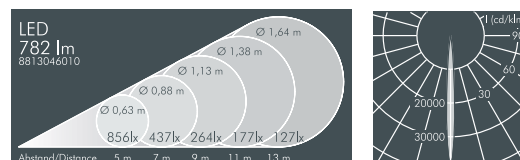


Superlight Compact Micro

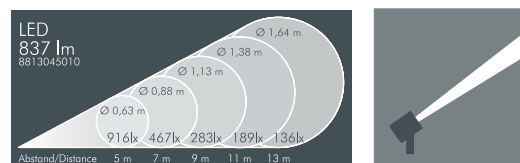
Equipped with 5 x 2.5 W high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK08  (for non-dimmable luminaires)
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 all exterior steel parts are stainless steel, tempered safety glass, silicon gasket,
 powder coated aluminium mounting bracket with tilt scale:
 2 drilled holes Ø 8.5 mm, spacing 70 mm,
 1 centre hole Ø 17 mm, tilt range 120°, M16 cable gland,
 integral transformer and on-board driver, through wiring possible on request

Superlight Compact Micro, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 813 046 019	black	5 x LED 2.5 W warm white	782 lm	7°
8 813 066 019	white	(3000 K)		
8 813 056 019	silver grey			

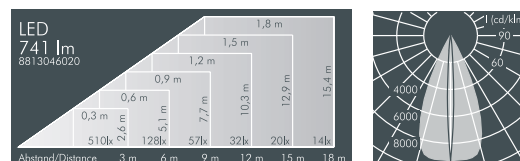


8 813 045 019	black	5 x LED 2.5 W neutral white	837 lm	7°
8 813 065 019	white	(4000 K)		
8 813 055 019	silver grey			

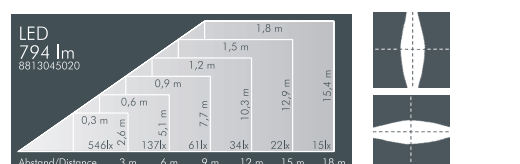


Superlight Compact Micro, linear beam spread, vertical

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 813 046 029	black	5 x LED 2.5 W warm white	741 lm	46°	6°
8 813 066 029	white	(3000 K)			
8 813 056 029	silver grey				



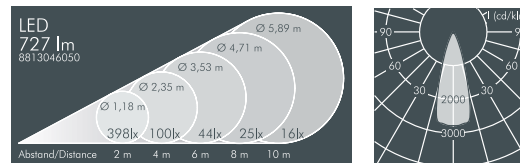
8 813 045 029	black	5 x LED 2.5 W neutral white	794 lm	46°	6°
8 813 065 029	white	(4000 K)			
8 813 055 029	silver grey				



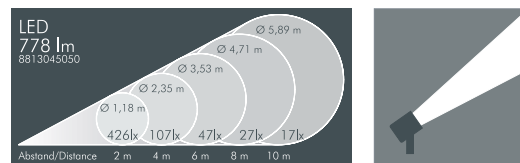
Part number	Description
.3.	Luminaire with linear beam spread, horizontal

Superlight Compact Micro, wide beam

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



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



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

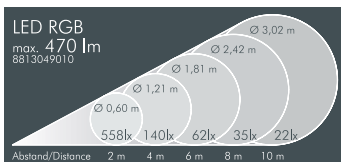
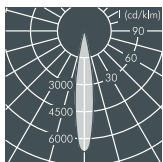
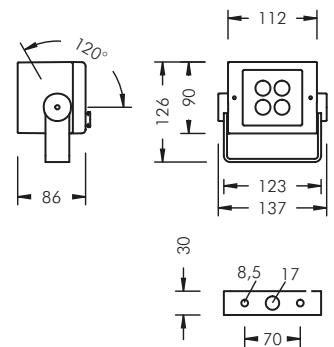
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



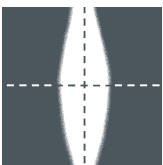
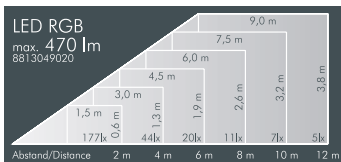
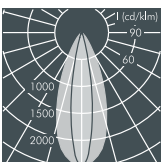
Superlight Compact Micro RGB

For external DMX control.
 Equipped with 4 x RGB high performance LEDs,
 integral temperature monitoring device,
 protection class I, IP65 $\blacklozenge\blacktriangle\blacktriangle$, 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°,
 2 x M16 cable gland, integral driver,
 separate DMX controller required



Superlight Compact Micro RGB, narrow beam

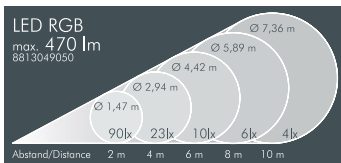
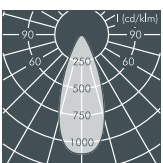
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 813 049 019	black	4 x LED RGB 3 W	max. 470 lm	17°
8 813 069 019	white			
8 813 059 019	silver grey			



Superlight Compact Micro RGB, linear beam spread, vertical

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
				C 0 - 180 C 90 - 270
8 813 049 029	black	4 x LED RGB 3 W	max. 470 lm	42°
8 813 069 029	white			
8 813 059 029	silver grey			

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

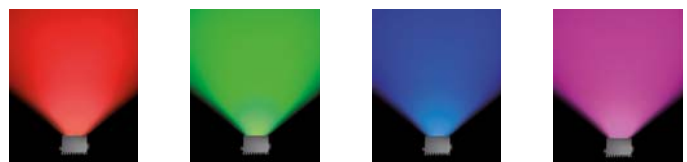


Superlight Compact Micro RGB, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 813 049 059	black	4 x LED RGB 3 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.

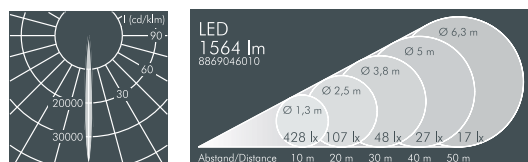
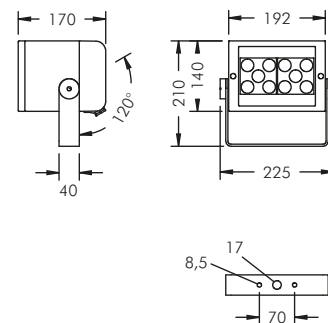


LED (see page 185) The luminaires are available with LEDs in different colour combinations upon request.



Superlight Compact LED

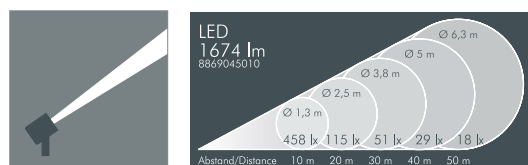
With 10 x 2.5 W high performance LEDs,
 integral temperature monitoring device,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK08
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 all exterior steel parts are 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



LED 1564 lm 8869046010	Ø 1,3 m 428 lx 107 lx	Ø 2,5 m 48 lx 27 lx	Ø 3,8 m	Ø 5 m	Ø 6,3 m
Abstand/Distance	10 m	20 m	30 m	40 m	50 m

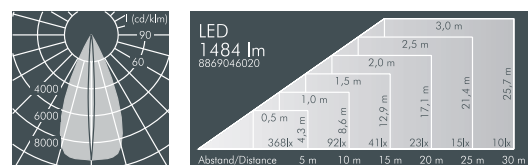
Superlight Compact LED, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 869 046 019	black	10 x LED 2.5 W warm white (3000 K)	1564 lm	7°
8 869 066 019	white			
8 869 056 019	silver grey			



LED 1674 lm 8869045010	Ø 1,3 m 458 lx 115 lx	Ø 2,5 m 51 lx 29 lx	Ø 3,8 m	Ø 5 m	Ø 6,3 m
Abstand/Distance	10 m	20 m	30 m	40 m	50 m

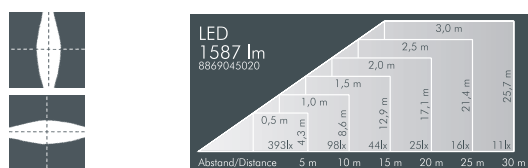
8 869 045 019	black	10 x LED 2.5 W neutral white (4000 K)	1674 lm	7°
8 869 065 019	white			
8 869 055 019	silver grey			



LED 1484 lm 8869046020	0,5 m 368lx 43 lx	1,0 m 92lx 41lx	1,5 m 129lx	2,0 m 171lx	2,5 m 214lx	3,0 m 257lx
Abstand/Distance	5 m	10 m	15 m	20 m	25 m	30 m

Superlight Compact LED, linear beam spread, vertical

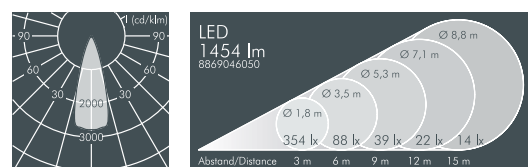
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 869 046 029	black	10 x LED 2.5 W warm white (3000 K)	1484 lm	46°	6°
8 869 066 029	white				
8 869 056 029	silver grey				



LED 1587 lm 8869045020	0,5 m 393lx 43 lx	1,0 m 98lx 44lx	1,5 m 129lx	2,0 m 171lx	2,5 m 214lx	3,0 m 257lx
Abstand/Distance	5 m	10 m	15 m	20 m	25 m	30 m

8 869 045 029	black	10 x LED 2.5 W neutral white (4000 K)	1587 lm	46°	6°
8 869 065 029	white				
8 869 055 029	silver grey				

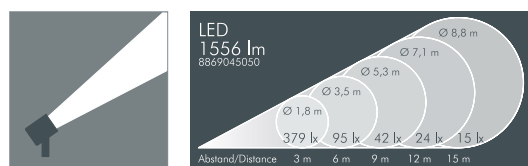
Part number	Description
..... .3.	Luminaire with linear beam spread, horizontal



LED 1454 lm 8869046050	Ø 1,8 m 354 lx 88 lx	Ø 3,5 m 39 lx 22 lx	Ø 5,3 m	Ø 7,1 m	Ø 8,8 m
Abstand/Distance	3 m	6 m	9 m	12 m	15 m

Superlight Compact LED, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 869 046 059	black	10 x LED 2.5 W warm white (3000 K)	1454 lm	33°
8 869 066 059	white			
8 869 056 059	silver grey			



LED 1556 lm 8869045050	Ø 1,8 m 379 lx 95 lx	Ø 3,5 m 42 lx 24 lx	Ø 5,3 m	Ø 7,1 m	Ø 8,8 m
Abstand/Distance	3 m	6 m	9 m	12 m	15 m

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

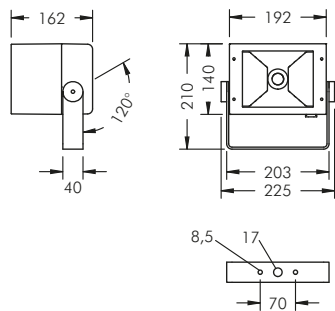
Part number	Description
..... .4.	Luminaire with medium wide beam optics, 20°

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


LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request





Superlight Compact LED axially symmetrical wide beam

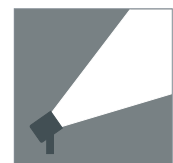
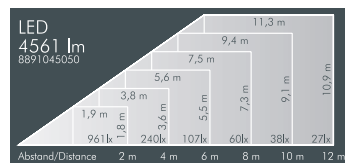
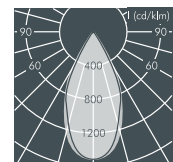
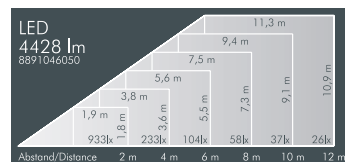
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP67 , IK09
 windage area AW 0.04 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 891 046 059	black	1 x LED module 46 W warm white (3000 K)	4428 lm	C 0 – 180	C 90 – 270
8 891 066 059	white			49°	50°
8 891 056 059	silver grey				

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

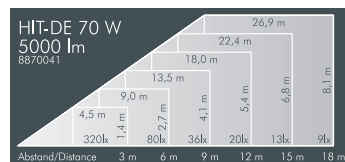
Part number	Description
. 1..	Dimmable luminaire (DALI)
. 2..	Dimmable luminaire (1-10 V)
. 4..	Luminaire with 2 cable glands for through wiring
. 5..	Luminaire dimmable version (DALI) with 2 cable glands for through wiring
. 6..	Luminaire dimmable version (1-10 V) with 2 cable glands for through wiring



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)




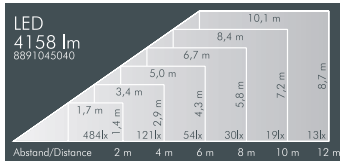
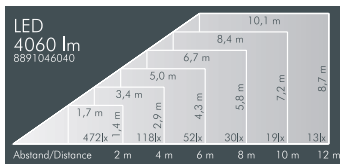
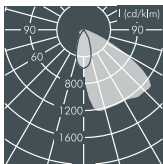
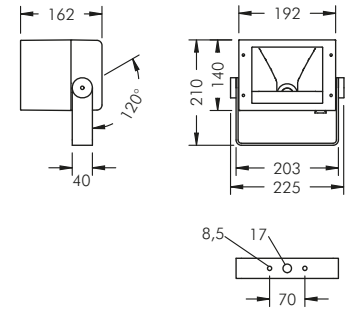
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



Superlight Compact LED asymmetrical wide beam

With a 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, 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	Light source	Luminous flux	Main beam angle γ
8 891 046 049	black	1 x LED module 46 W	4060 lm	48°
8 891 066 049	white	warm white (3000 K)		
8 891 056 049	silver grey			

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



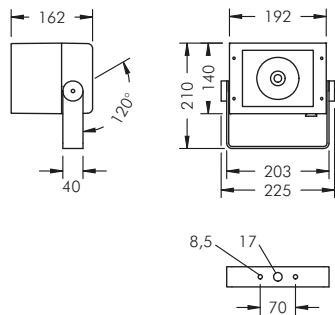
Lux level comparison HIT-DE 70 W / LED 46 W, asymmetrical wide beam

HIT-DE 70 W: 9 lux average level (distance 12 m)
 LED 46 W: 13 lux average level (distance 12 m)


LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request





Superlight Compact LED rotationally symmetrical narrow beam

With a 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 , 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)

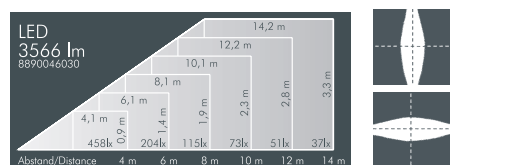
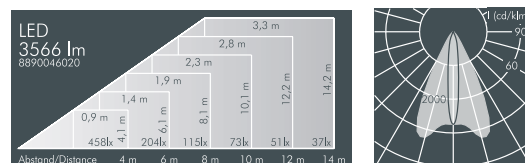
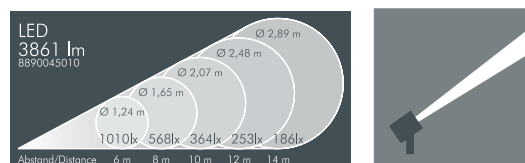
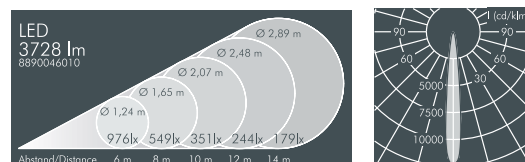
Superlight Compact LED, rotationally symmetrical narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 890 046 019	black	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	Light source	Luminous flux	Beam angle γ (FWHM)
8 890 045 019	black	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





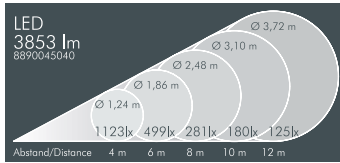
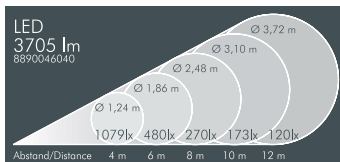
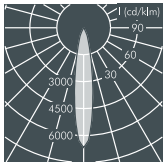
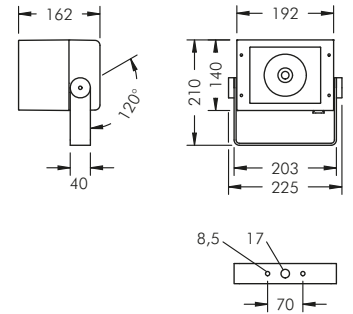
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



Superlight Compact LED rotationally symmetrical medium wide beam

With a 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  , 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 890 046 049	black	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			

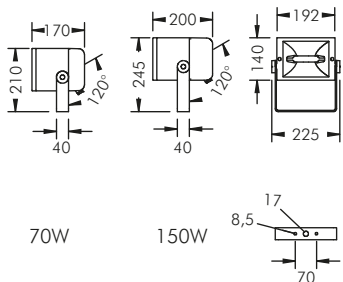
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 890 045 049	black	1 x LED module 48 W neutral white (4000 K)	3853 lm	C 0 – 180 18°
8 890 065 049	white			
8 890 055 049	silver grey			

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 185)

Luminaires available in 2700 K or other colour temperatures on request



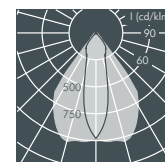


Superlight Compact axially symmetrical wide beam

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 184), supplied without lamp

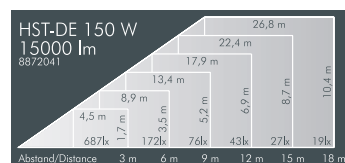
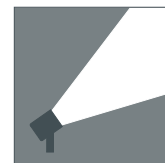
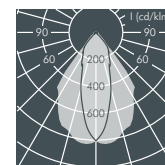
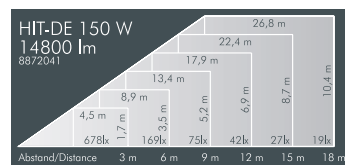
Superlight Compact 70 W, axially symmetrical wide beam

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

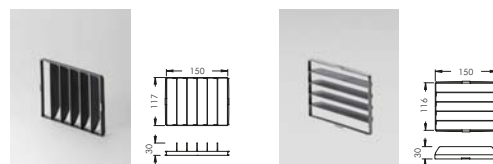
Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
8 872 041 009	black	HIT-DE 150 W	Rx7s	5.2 kg	C 0 – 180	C 90 – 270
8 872 061 009	white	HIT-DE-CE 150 W			32°	72°
8 872 051 009	silver grey	HST-DE 150 W				



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

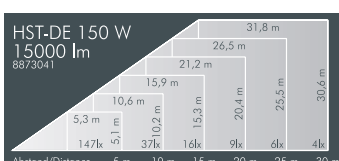
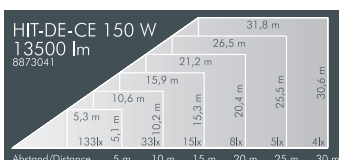
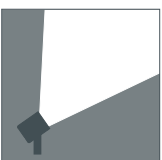
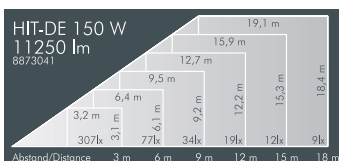
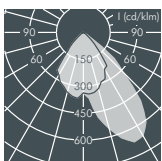
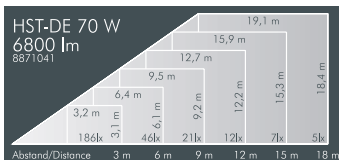
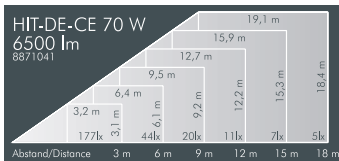
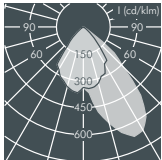
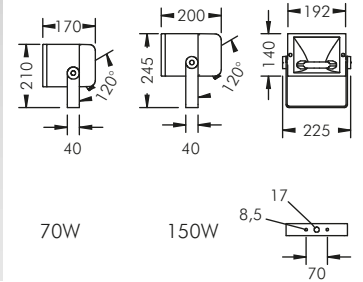


Lamps



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 184), 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

HIT-DE

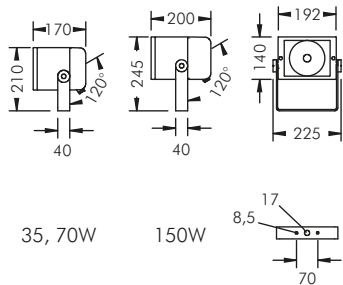


HIT-DE-CE



HST-DE



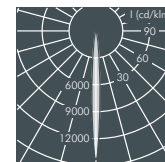
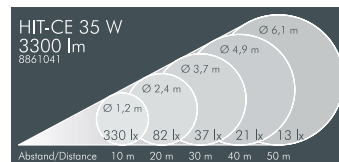


Superlight Compact rotationally symmetrical narrow beam

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 184), supplied without lamp

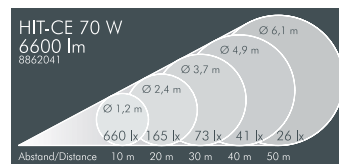
Superlight Compact 35 W, rotationally symmetrical narrow beam

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				



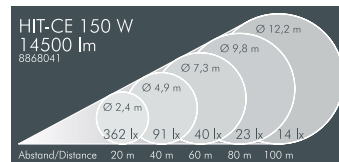
Superlight Compact 70 W, rotationally symmetrical narrow beam

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				



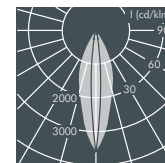
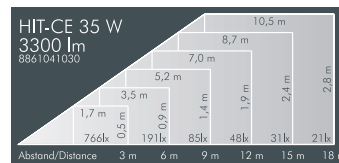
Superlight Compact 150 W, rotationally symmetrical narrow beam *

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				

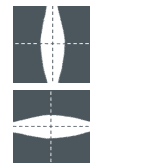
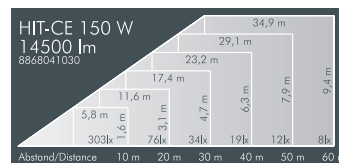
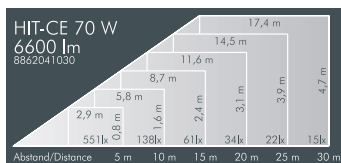


Superlight Compact 35/70/150 W, rotationally symmetrical, narrow beam*

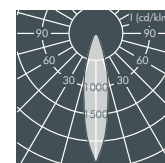
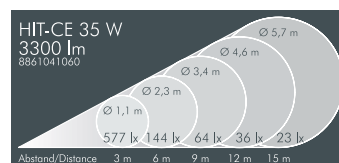
Part number	Beam direction	Description	Beam angle γ (FWHM)
..... 2.	vertical	Floodlight with ribbed glass for linear beam control	C 0 – 180 C 90 – 270
..... 3.	horizontal		9° 33°



* 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

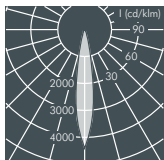
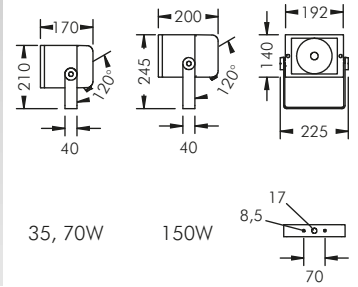


HIT-CE



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 184), supplied without lamp



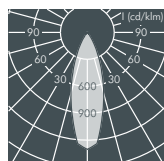
HIT-CE 35 W 3300 lm 8861047	\varnothing 7,2 m
	\varnothing 5,8 m
	\varnothing 4,3 m
	\varnothing 2,9 m
	\varnothing 1,4 m
Abstand/Distance	5 m 10 m 15 m 20 m 25 m
	409 lx 102 lx 45 lx 26 lx 16 lx



HIT-CE 70 W 6600 lm 8862047	\varnothing 7,2 m
	\varnothing 5,8 m
	\varnothing 4,3 m
	\varnothing 2,9 m
	\varnothing 1,4 m
Abstand/Distance	5 m 10 m 15 m 20 m 25 m
	818 lx 205 lx 91 lx 51 lx 33 lx



HIT-CE 150 W 14000 lm 8868047	\varnothing 14,4 m
	\varnothing 11,5 m
	\varnothing 8,6 m
	\varnothing 5,8 m
	\varnothing 2,9 m
Abstand/Distance	10 m 20 m 30 m 40 m 50 m
	434 lx 108 lx 48 lx 27 lx 17 lx



HIT-CE 35 W 3300 lm 8861047060	\varnothing 8,7 m
	\varnothing 6,9 m
	\varnothing 5,2 m
	\varnothing 3,5 m
	\varnothing 1,7 m
Abstand/Distance	3 m 6 m 9 m 12 m 15 m
	317 lx 79 lx 35 lx 20 lx 13 lx

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

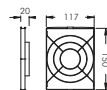
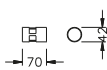
Part number	Description
..... 4 ..	Luminaire with 2 cable glands for through wiring

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

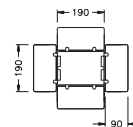


Lamps

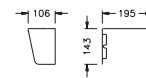


Accessories Superlight Compact/Superlight Compact LED

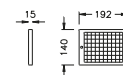
Part number	Colour	Description
128 0 035 940	black	Barn doors* , aluminium, to avoid glare from 4 directions, variable control of light distribution, for mounting on front of floodlight
128 0 035 960	white	
128 0 035 950	silver grey	



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	

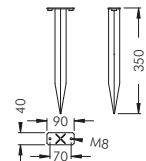


Part number	Colour	Description
128 0 352 940	black	Protection grill* , stainless steel, c/w aluminium frame, to protect the glass from stone chip and vandalism, for mounting on front of floodlight
128 0 352 960	white	
128 0 352 950	silver grey	

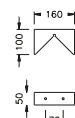


*for retro-fitting, only one accessory per luminaire, not in combination

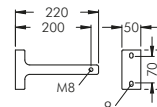
Part number	Colour	Description
129 0 390 940	black	Earth spike , stainless steel, for use in landscaped areas
129 0 390 960	white	
129 0 390 950	silver grey	



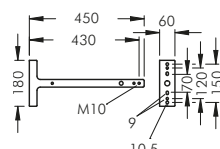
Part number	Colour	Description
125 0 197 940	black	Corner fixing bracket A , aluminium, polyester powder coated, for mounting floodlights on 90° corners
125 0 197 960	white	
125 0 197 950	silver grey	



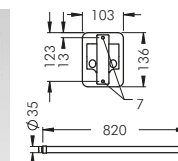
Part number	Colour	Description
125 0 160 940	black	Wall bracket 220 mm , aluminium, polyester powder coated, allows horizontal adjustment and directional aiming of luminaire
125 0 160 960	white	
125 0 160 950	silver grey	



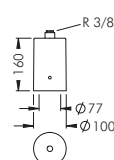
Part number	Colour	Description
128 0 294 940	black	Wall bracket 450 mm , aluminium, polyester powder coated, allows horizontal adjustment and directional aiming of luminaire
128 0 294 960	white	
128 0 294 950	silver grey	



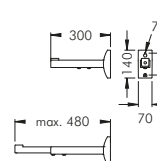
Part number	Colour	Description
128 0 801 940	black	Wall arm 820 mm , aluminium, polyester powder coated, for illumination of signs and facades, cable duct inside, max. load 6 kgs
128 0 801 960	white	
128 0 801 950	silver grey	



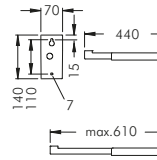
Part number	Colour	Description
128 0 625 940	black	Pole top fitter , aluminium, for pole Ø 76 mm, with R3/8" thread, for mounting one floodlight
128 0 625 960	white	
128 0 625 950	silver grey	

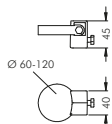


Part number	Colour	Description
128 0 700 940	black	Telescopic wall arm, 300 - 480 mm aluminium, polyester powder coated
128 0 700 960	white	
128 0 700 950	silver grey	



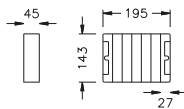
Part number	Colour	Description
128 0 730 940	black	Telescopic wall arm, 440 - 610 mm aluminium, polyester powder coated
128 0 730 960	white	
128 0 730 950	silver grey	



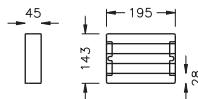


Accessories Superlight Compact/Superlight Compact LED

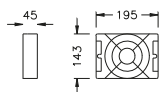
Part number	Colour	Description
128 0 760 940	black	Pole clamp , aluminium, polyester powder coated, stainless steel strap, for mounting on poles \varnothing 60 – 120 mm
128 0 760 960	white	
128 0 760 950	silver grey	



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	

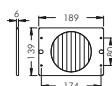


Part number	Colour	Description
128 0 368 940	black	Horizontal louvre* , stainless steel, to reduce lateral glare, for mounting on front of floodlight
128 0 368 960	white	
128 0 368 950	silver grey	



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	

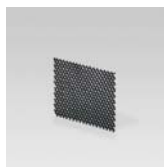
**not for luminaires 8 869



Accessories Superlight Compact LED

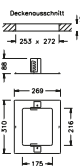
Part number	Colour	Description
128 0 891 000	yellow	Dichroic colour filter** , internally fitted, (factory fitted, not for retro-fitting)
128 0 893 000	blue	
128 0 897 000	red	
128 0 898 000	green	

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



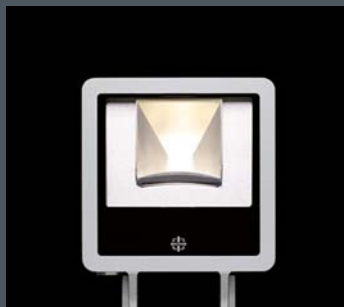
Accessories Superlight Compact 35/70 W (HIT)

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 new 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.

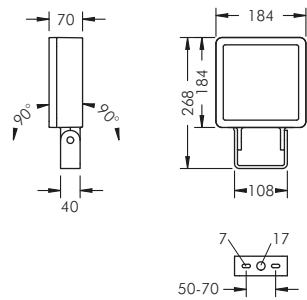


As pole mount luminaires the floodlights are supplied with a fixing bracket which allows the luminaires to be tilted and turned. A wide range of different light distributions and flexibility of positioning of the luminaires on the pole give the discerning lighting consultant many options for the illumination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



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



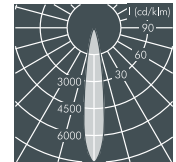
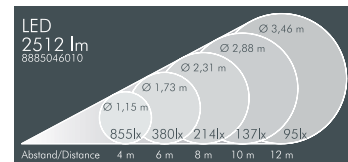


Superlight LED 1

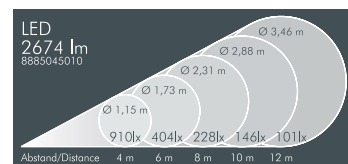
With 1 high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP67 , IK08
 windage area AW 0.035 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high 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 7 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 885 046 019	black	1 x LED module 27 W	2512 lm	16°
8 885 066 019	white	warm white (3000 K)		
8 885 056 019	silver grey			

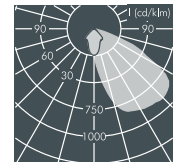
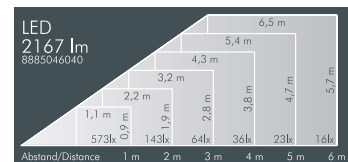


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 885 045 019	black	1 x LED module 27 W	2674 lm	16°
8 885 065 019	white	neutral white (4000 K)		
8 885 055 019	silver grey			

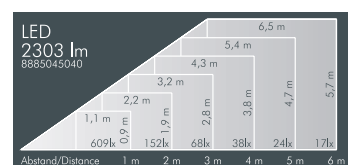


Superlight LED 1, asymmetrical beam*

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 885 046 049	black	1 x LED module 27 W	2167 lm	45°
8 885 066 049	white	warm white (3000 K)		
8 885 056 049	silver grey			

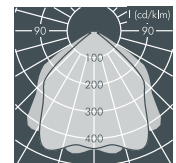
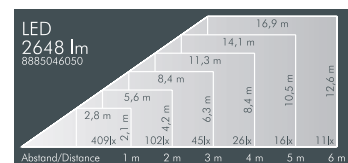


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 885 045 049	black	1 x LED module 27 W	2303 lm	45°
8 885 065 049	white	neutral white (4000 K)		
8 885 055 049	silver grey			

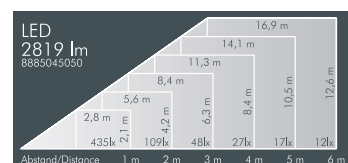


Superlight LED 1, wide beam*

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 885 046 059	black	1 x LED module 27 W	2648 lm	C 0 – 180	C 90 – 270
8 885 066 059	white	warm white (3000 K)			
8 885 056 059	silver grey				



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 885 045 059	black	1 x LED module 27 W	2819 lm	C 0 – 180	C 90 – 270
8 885 065 059	white	neutral white (4000 K)			
8 885 055 059	silver grey				

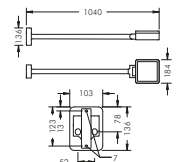


*Luminaires with 2 cable glands are available upon request.

Part number*	Description
... 1 ...	Luminaire with wall arm , internal cable run

*Available upon request in various lengths.

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




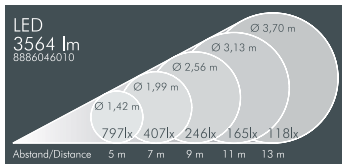
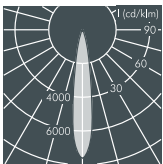
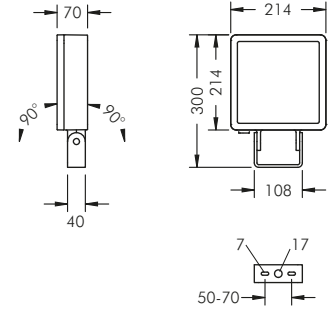
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



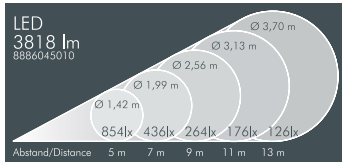
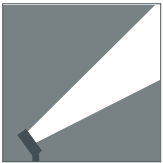
Superlight LED 2

With 1 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, 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 7 mm, spacing 50-70 mm,
 1 centre hole Ø 17 mm, tilt range 180°,
 M20 cable gland, integral driver (AC/DC)

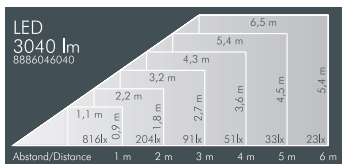
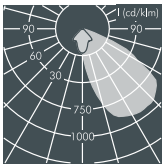


Superlight LED 2, rotationally symmetrical narrow beam*

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 046 019	black	1 x LED module 40 W	3564 lm	16°
8 886 066 019	white	warm white (3000 K)		
8 886 056 019	silver grey			

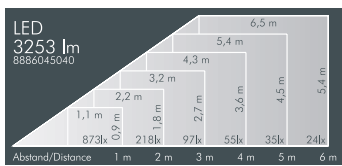
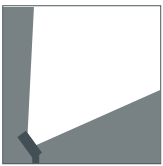


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 045 019	black	1 x LED module 40 W	3818 lm	16°
8 886 065 019	white	neutral white (4000 K)		
8 886 055 019	silver grey			

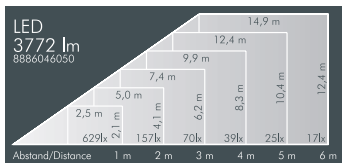
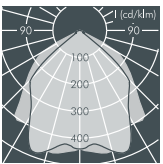


Superlight LED 2, asymmetrical beam*

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 886 046 049	black	1 x LED module 40 W	3040 lm	45°
8 886 066 049	white	warm white (3000 K)		
8 886 056 049	silver grey			

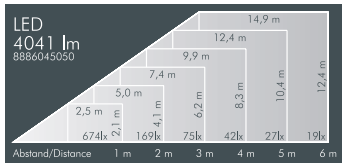


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 886 045 049	black	1 x LED module 40 W	3253 lm	45°
8 886 065 049	white	neutral white (4000 K)		
8 886 055 049	silver grey			



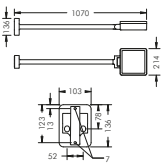
Superlight LED 2, wide beam*

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 886 046 059	black	1 x LED module 40 W	3772 lm	92°	102°
8 886 066 059	white	warm white (3000 K)			
8 886 056 059	silver grey				



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 886 045 059	black	1 x LED module 40 W	4041 lm	92°	102°
8 886 065 059	white	neutral white (4000 K)			
8 886 055 059	silver grey				

*Luminaires with 2 cable glands are available upon request.



Part number*	Description
... 1 ...	Luminaire with wall arm , internal cable run

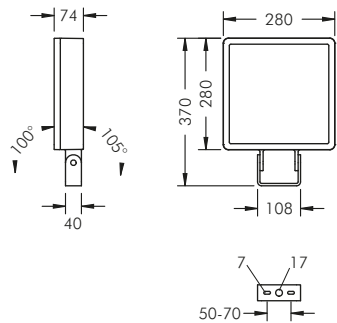
*Available upon request in various lengths.

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

LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



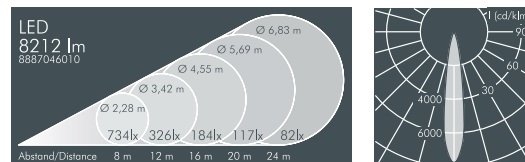


Superlight LED 3

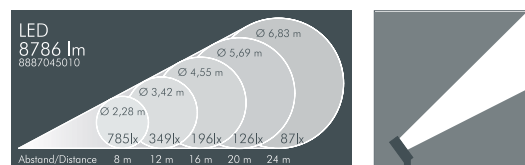
With 2 high performance LED modules (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP67 IK08
 windage area AW 0.08 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high 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 7 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 887 046 019	black	2 x LED module 45 W	8212 lm	16°
8 887 066 019	white	warm white (3000 K)		
8 887 056 019	silver grey			

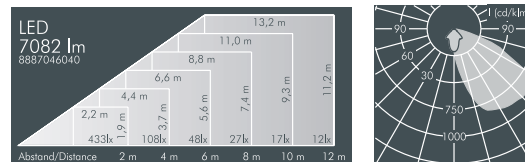


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 887 045 019	black	2 x LED module 45 W	8786 lm	16°
8 887 065 019	white	neutral white (4000 K)		
8 887 055 019	silver grey			

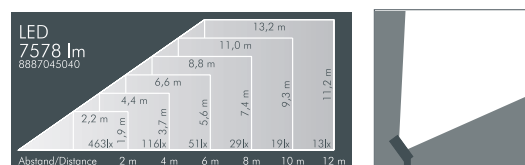


Superlight LED 3, asymmetrical beam*

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 887 046 049	black	2 x LED module 45 W	7082 lm	45°
8 887 066 049	white	warm white (3000 K)		
8 887 056 049	silver grey			

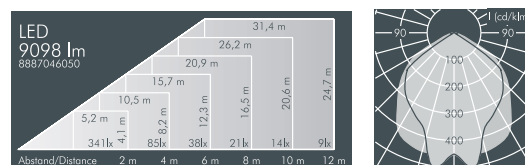


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 887 045 049	black	2 x LED module 45 W	7578 lm	45°
8 887 065 049	white	neutral white (4000 K)		
8 887 055 049	silver grey			

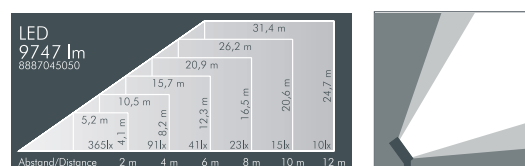


Superlight LED 3, wide beam*

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 887 046 059	black	2 x LED module 45 W	9098 lm	92°	105°
8 887 066 059	white	warm white (3000 K)			
8 887 056 059	silver grey				



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 887 045 059	black	2 x LED module 45 W	9747 lm	92°	105°
8 887 065 059	white	neutral white (4000 K)			
8 887 055 059	silver grey				



*Luminaires with 2 cable glands are available upon request.

Part number*	Description
... 1 ...	Luminaire with wall arm , internal cable run

*Available upon request in various lengths.

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



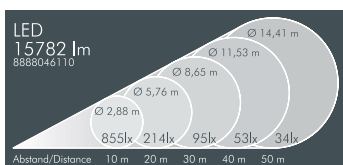
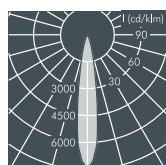
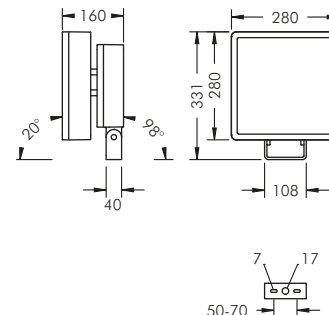
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



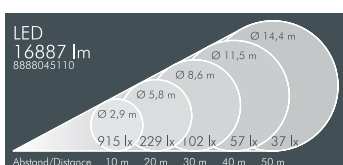
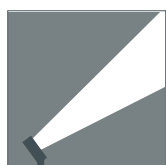
Superlight LED 3+

With 4 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 \blacklozenge \blacktriangle \blacktriangle , 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 \varnothing 7 mm, spacing 50-70 mm,
 1 centre hole \varnothing 17 mm, tilt range 205°,
 M20 cable gland, integral programme and
 DALI dimmable driver (AC/DC)

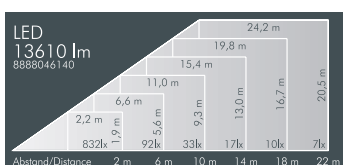
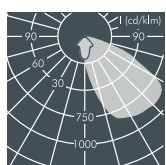


Superlight LED 3+, rotationally symmetrical narrow beam*

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

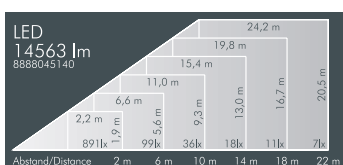
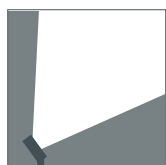


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 888 045 119	black	4 x LED module 39 W	16887 lm	16°
8 888 065 119	white	neutral white (4000 K)		
8 888 055 119	silver grey			

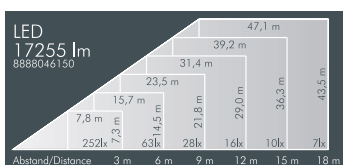
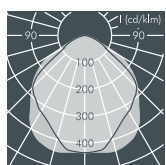


Superlight LED 3+, asymmetrical beam*

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 888 046 149	black	4 x LED module 39 W	13610 lm	45°
8 888 066 149	white	warm white (3000 K)		
8 888 056 149	silver grey			

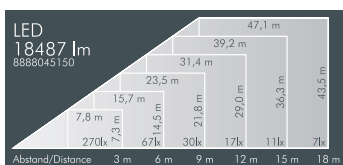


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 888 045 149	black	4 x LED module 39 W	14563 lm	45°
8 888 065 149	white	neutral white (4000 K)		
8 888 055 149	silver grey			



Superlight LED 3+, wide beam*

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 888 046 149	black	4 x LED module 39 W	17255 lm	101°	105°
8 888 066 149	white	warm white (3000 K)			
8 888 056 149	silver grey				



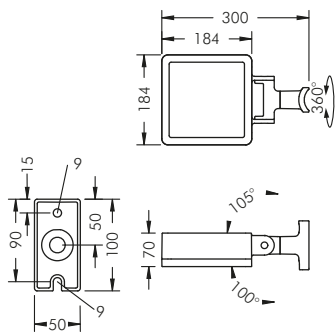
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 888 045 149	black	4 x LED module 39 W	18487 lm	101°	105°
8 888 065 149	white	neutral white (4000 K)			
8 888 055 149	silver grey				

*Luminaires with 2 cable glands are available upon request.

LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



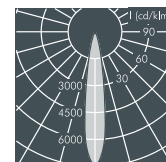
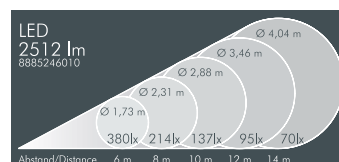


Superlight LED 1, pole luminaire

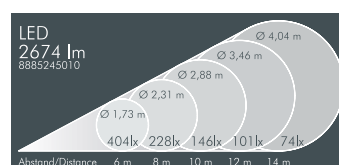
With 1 high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP67 IK08
 windage area AW 0.035 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 885 246 019	black	1 x LED module 27 W	2512 lm	16°
8 885 266 019	white	warm white (3000 K)		
8 885 256 019	silver grey			

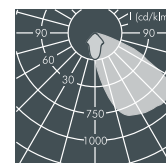
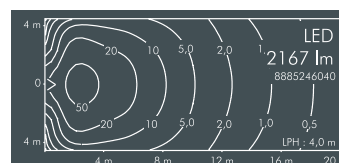


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 885 245 019	black	1 x LED module 27 W	2674 lm	16°
8 885 265 019	white	neutral white (4000 K)		
8 885 255 019	silver grey			

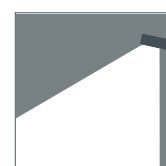
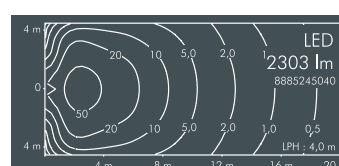


Superlight LED 1, pole luminaire, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 885 246 049	black	1 x LED module 27 W	2167 lm	45°
8 885 266 049	white	warm white (3000 K)		
8 885 256 049	silver grey			

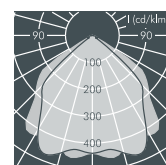
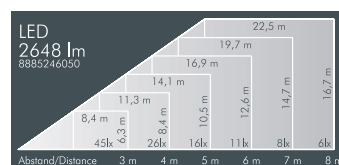


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 885 245 049	black	1 x LED module 27 W	2303 lm	45°
8 885 265 049	white	neutral white (4000 K)		
8 885 255 049	silver grey			

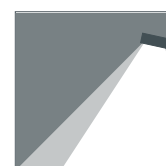
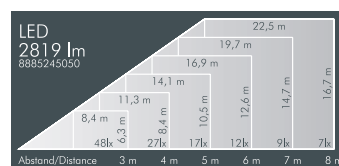


Superlight LED 1, pole luminaire, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 885 246 059	black	1 x LED module 27 W	2648 lm	92°	108°
8 885 266 059	white	warm white (3000 K)			
8 885 256 059	silver grey				



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 885 245 059	black	1 x LED module 27 W	2819 lm	92°	108°
8 885 265 059	white	neutral white (4000 K)			
8 885 255 059	silver grey				




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

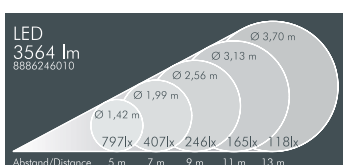
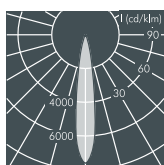
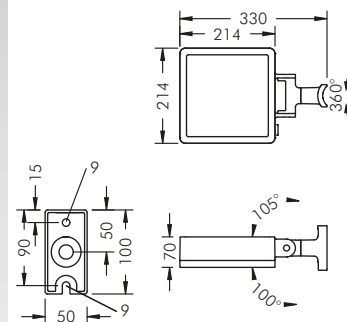
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



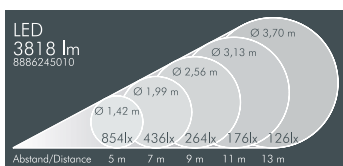
Superlight LED 2, pole luminaire

With 1 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, 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)

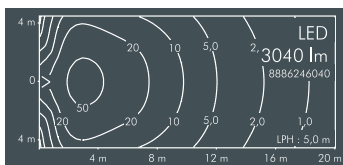
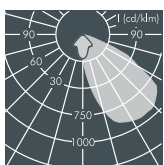


Superlight LED 2, pole luminaire, rotationally symmetrical narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 246 019	black	1 x LED module 40 W	3564 lm	16°
8 886 266 019	white	warm white (3000 K)		
8 886 256 019	silver grey			

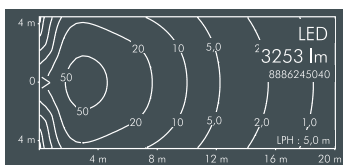
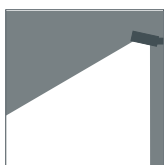


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 886 245 019	black	1 x LED module 40 W	3818 lm	16°
8 886 265 019	white	neutral white (4000 K)		
8 886 255 019	silver grey			

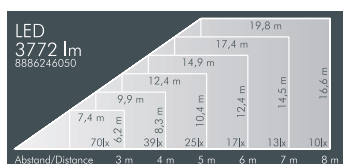
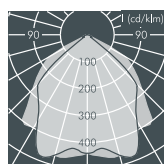


Superlight LED 2, pole luminaire, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 886 246 049	black	1 x LED module 40 W	3040 lm	45°
8 886 266 049	white	warm white (3000 K)		
8 886 256 049	silver grey			

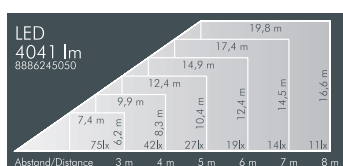
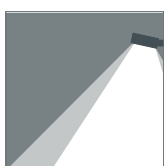


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 886 245 049	black	1 x LED module 40 W	3253 lm	45°
8 886 265 049	white	neutral white (4000 K)		
8 886 255 049	silver grey			



Superlight LED 2, pole luminaire, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 886 246 059	black	1 x LED module 40 W	3772 lm	92°	102°
8 886 266 059	white	warm white (3000 K)			
8 886 256 059	silver grey				



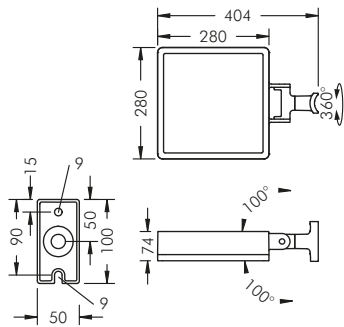
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 886 245 059	black	1 x LED module 40 W	4041 lm	92°	102°
8 886 265 059	white	neutral white (4000 K)			
8 886 255 059	silver grey				

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

LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



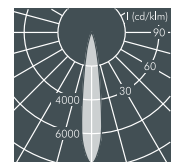
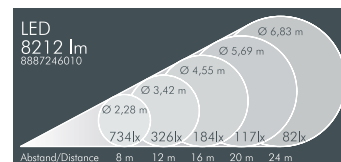


Superlight LED 3, pole luminaire

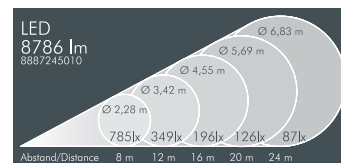
With 2 high performance LED modules (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP67 IK08
 windage area AW 0.08 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, high 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 887 246 019	black	2 x LED module 45 W	8212 lm	16°
8 887 266 019	white	warm white (3000 K)		
8 887 256 019	silver grey			

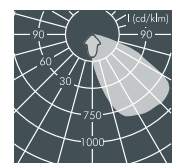
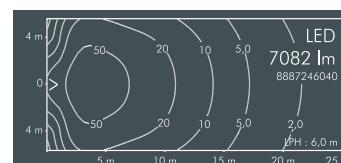


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 887 245 019	black	2 x LED module 45 W	8786 lm	16°
8 887 265 019	white	neutral white (4000 K)		
8 887 255 019	silver grey			

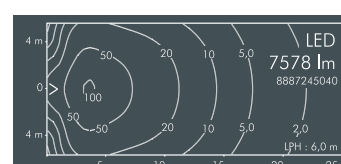


Superlight LED 3, pole luminaire, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 887 246 049	black	2 x LED module 45 W	7082 lm	45°
8 887 266 049	white	warm white (3000 K)		
8 887 256 049	silver grey			

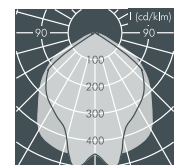
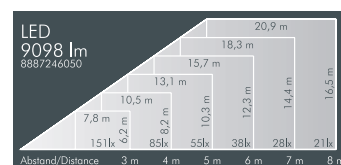


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 887 245 049	black	2 x LED module 45 W	7578 lm	45°
8 887 265 049	white	neutral white (4000 K)		
8 887 255 049	silver grey			

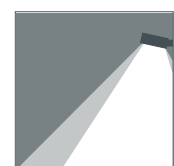
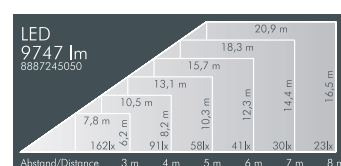


Superlight LED 3, pole luminaire, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 887 246 059	black	2 x LED module 45 W	9098 lm	92°	105°
8 887 266 059	white	warm white (3000 K)			
8 887 256 059	silver grey				



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 887 245 059	black	2 x LED module 45 W	9747 lm	92°	105°
8 887 265 059	white	neutral white (4000 K)			
8 887 255 059	silver grey				

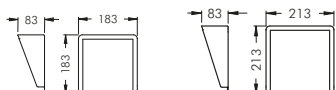


Part number	Description
. 1..	Dimmable version (DALI)

LED (see page 185)

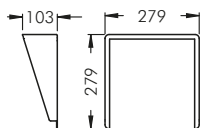
Luminaires available in 2700 K or other colour temperatures on request





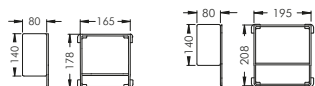
Accessories Superlight LED 1, LED 2

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	



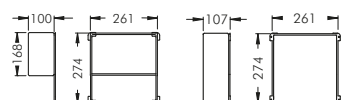
Accessories Superlight LED 3, LED 3+

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	



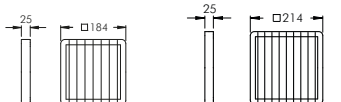
Accessories Superlight LED 1, LED 2

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	



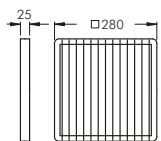
Accessories Superlight LED 3, LED 3+

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	



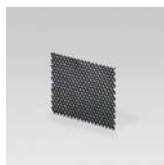
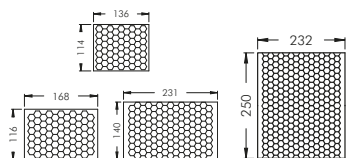
Accessories Superlight LED 1, LED 2

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





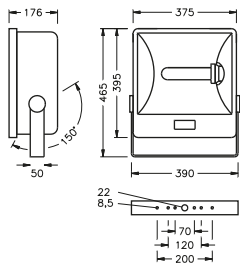
Exterior lighting installations are planned long term and therefore require light fittings which will continue to work effectively for a long time. Superlight floodlights are designed and manufactured so that they fulfil these requirements. A comprehensive range of lamps and light distributions offers solutions for a multitude of lighting projects. They range from architectural lighting to the most demanding industrial applications.

Zollverein Park, Zollverein coal mine, Essen/Germany
Lighting design: Licht Kunst Licht, Bonn/Berlin

The Zollverein colliery is an industrial monument on the UNESCO World Heritage list. Thanks to a concept of "Preservation by new Utilization" it has now become the centre of creative business in the Ruhr area.

The lighting design increases the attractiveness of the site at night and makes it easier for visitors to find their way around. The illumination of the pit head frame at Shaft XII is visible for miles around and is the emblem of the park.



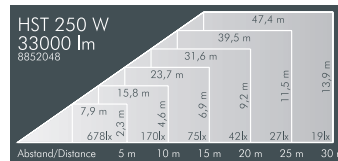
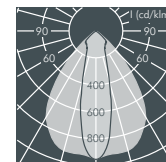
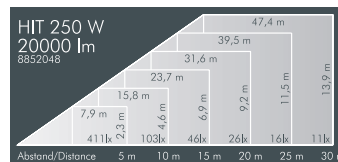


Superlight 250 W axially symmetrical wide beam or rotationally symmetrical, narrow beam

For metal halide lamps (HIT/HIT-DE) and high pressure sodium lamps (HST) protection class I, IP65 \diamond \triangle \triangle windage area AW 0.15 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, axially symmetrical or rotationally symmetrical 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, mounting bracket powder coated aluminium with tilt scale: 6 drilled holes \varnothing 8.5 mm, spacing 70 mm (120 mm, 200 mm), 1 centre hole \varnothing 22 mm, tilt range 150°, M20 cable gland, integral LPF ballast and ignitor, HPF available on request (see page 184), supplied without lamp

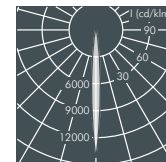
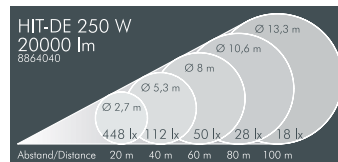
Superlight 250 W, axially symmetrical wide beam, HIT/HST

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
8 852 048 009	black	HIT 250 W HST 250 W	E40	16.0 kg	C 0 – 180	C 90 – 270



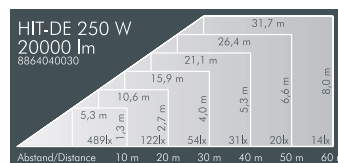
Superlight 250 W, rotationally symmetrical narrow beam, HIT-DE

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 864 040 009	black	HIT-DE 250 W	Fc2	16.0 kg	8°



Superlight 250 W, rotationally symmetrical narrow beam, with ribbed glass

Part number	Beam direction	Description	Beam angle γ (FWHM)	
..... .2.	vertical	Luminaire with ribbed glass for linear beam control	C 0 – 180	C 90 – 270
..... .3.	horizontal		10°	32°



Accessories Superlight 250 W

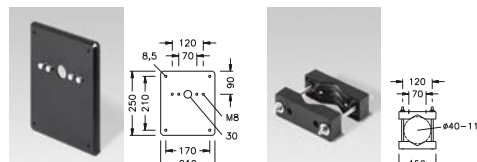
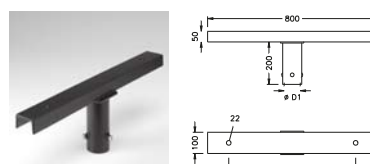
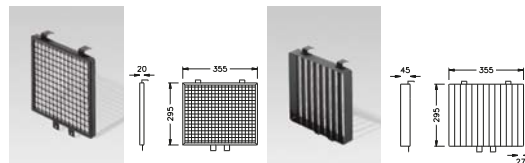
Part number	Colour	Description
128 0 034 940	black	Protection grill* , stainless steel
128 0 032 940	black	Vertical louvre* , stainless steel

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

Part number	Colour	Description
..... .2.	black	Crossbar , for two luminaires, for pole ...
128 0 287 940	black	
128 0 287 000	unpainted	
128 0 552 940	black	
128 0 552 000	unpainted	D1 = 89 mm , hot dip galvanized steel

Accessories Superlight 250/400 W

Part number	Colour	Description
128 0 232 940	black	Wall plate B , aluminium, polyester powder coated, for additional support on unstable surfaces
120 0 240 940	black	Universal pole clamp , aluminium, polyester powder coated, stainless steel bolts, for mounting on poles \varnothing 40–110 mm



Lamps

HIT



HST

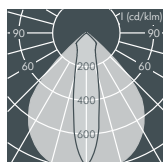
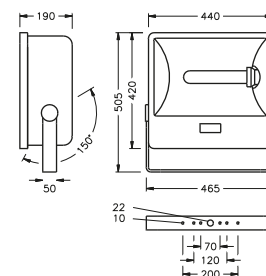


HIT-DE



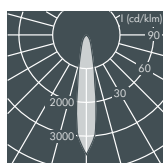
Superlight 400 W axially symmetrical wide beam or rotationally symmetrical, narrow beam

For metal halide lamps (HIT/HIT-DE) and high pressure sodium lamps (HST/HST-DE) protection class I, IP65 windage area AW 0.19 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, axially symmetrical or rotationally symmetrical 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, mounting bracket powder coated aluminium with tilt scale: 6 drilled holes Ø 10 mm, spacing 70 mm (120 mm, 200 mm), 1 centre hole Ø 22 mm, tilt range 150°, M20 cable gland, integral LPF ballast and ignitor, HPF available on request, (see page 184), supplied without lamp



Abstand/Distance	5 m	10 m	15 m	20 m	25 m	30 m
Beam diameter	9,4 m	18,8 m	28,2 m	37,6 m	47,0 m	56,3 m
Beam diameter	2,0 m	4,0 m	5,9 m	7,9 m	9,9 m	11,9 m
Beam diameter	693lx	173lx	77lx	43lx	28lx	19lx

Abstand/Distance	5 m	10 m	15 m	20 m	25 m	30 m
Beam diameter	9,4 m	18,8 m	28,2 m	37,6 m	47,0 m	56,3 m
Beam diameter	2,0 m	4,0 m	5,9 m	7,9 m	9,9 m	11,9 m
Beam diameter	908lx	227lx	101lx	57lx	36lx	25lx



Abstand/Distance	10 m	20 m	30 m	40 m	50 m
Beam diameter	Ø 3,1 m	Ø 6,3 m	Ø 9,4 m	Ø 12,5 m	Ø 15,7 m
Beam diameter	912 lx	228 lx	101 lx	57 lx	36 lx



Abstand/Distance	10 m	20 m	30 m	40 m	50 m
Beam diameter	Ø 3,13 m	Ø 6,26 m	Ø 9,40 m	Ø 12,53 m	Ø 15,66 m
Beam diameter	1216lx	304lx	135lx	76lx	49lx

Abstand/Distance	10 m	20 m	30 m	40 m	50 m	60 m
Beam diameter	3,0 m	5,9 m	8,9 m	11,8 m	14,8 m	17,7 m
Beam diameter	10,8 m	21,6 m	32,4 m	43,3 m	54,1 m	64,9 m
Beam diameter	325lx	81lx	36lx	20lx	13lx	9lx

Superlight 400 W, axially symmetrical, wide beam, HIT/HST

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
8 824 148 009	black	HIT 400 W HST 400 W lamp operating current > 4.0 A	E40	20.0 kg	C 0 - 180	C 90 - 270
					23°	86°

Superlight 400 W, rotationally symmetrical, narrow beam, HIT-DE/HST-DE

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 866 140 009	black	HIT-DE 400 W HST-DE 400 W	Fc2	20.0 kg	18°

Superlight 400 W, rotationally symmetrical narrow beam, with ribbed glass

Part number	Beam direction	Description	Beam angle γ (FWHM)	
			C 0 - 180	C 90 - 270
..... .2.	vertical	Luminaire with ribbed glass	57°	17°
..... .3.	horizontal	for linear beam control	17°	57°

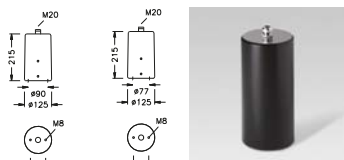
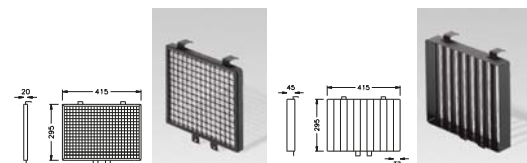
Accessories Superlight 400 W

Part number	Colour	Description
128 0 311 940	black	Protection grill* , stainless steel
128 0 310 940	black	Vertical louvre* , stainless steel

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

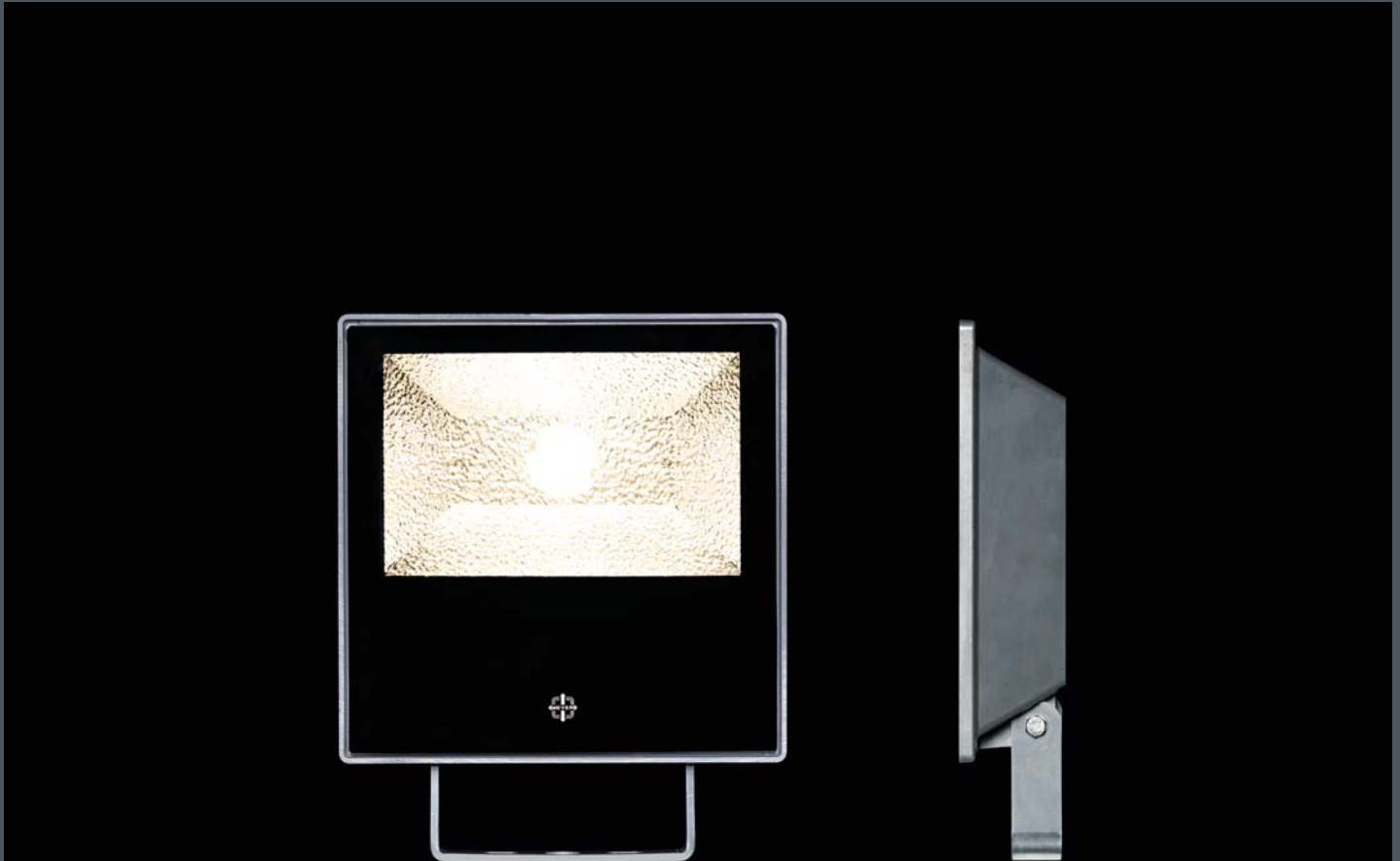
Accessories Superlight 250/400 W

Part number	Colour	Description
		Pole top fitter , aluminium, polyester powder coated, for pole with M20 thread, for mounting one floodlight
122 0 140 940	black	for pole Ø 76 mm
122 0 150 940		for pole Ø 89 mm



Lamps






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.

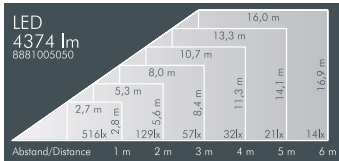
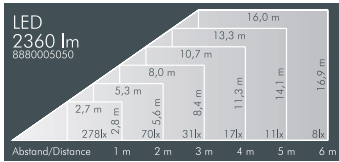
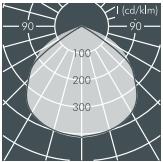
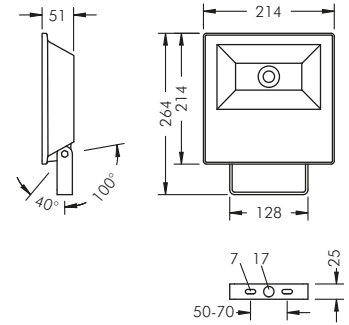
High efficiency and longevity of the LED module are achieved by an optimal heat management.

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



Ecolum

With 1 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, IP65 
 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 Ø 7 mm, spacing 50-70 mm,
 1 centre hole Ø 17 mm, tilt range 140°,
 M16 cable gland, with 0.8 m cable HO5RN-F3G1,
 integral driver (AC/DC)



Ecolum, wide beam

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

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









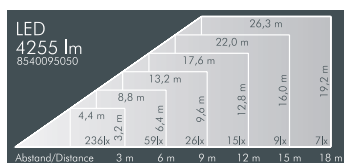
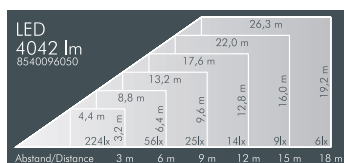
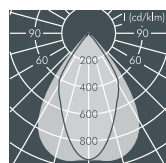
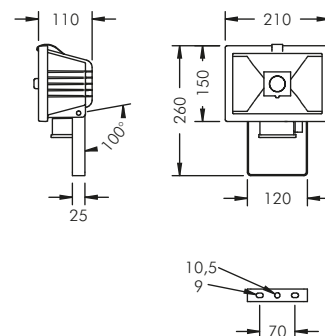
This range of floodlights which is equipped with a high performance LED module of the latest generation, offers the advantages of high luminous flux and low energy consumption. The well-proven housings provide optimal heat dissipation which in turn ensures longevity of the LED module. This robust LED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



These floodlights are also available with a PIR sensor. Known as Sensorlight, they are used for security lighting.

LED floodlights Mini

With 1 x high performance LED module (Zhaga),
 CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B20 > 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





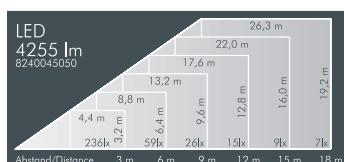
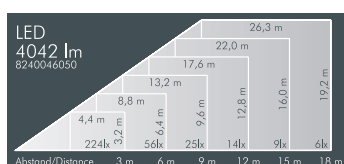
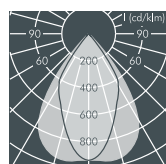
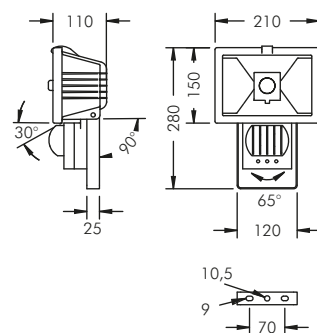
LED floodlights Mini, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 540 096 059	unpainted	1 x LED module 41 W warm white (3000 K)	4042 lm	C 0 – 180	C 90 – 270
8 540 046 059	black			56°	72°
8 540 066 059	white				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 540 095 059	unpainted	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				

LED floodlights Mini Sensorlight with PIR sensor

With 1 x high performance LED module (Zhaga),
 CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP54  
 floodlights complete with PIR sensor,
 tilt range 110°, range 12 m, built in twilight switch
 (manually adjustable) 5 to 300 lux,
 timer 12 secs. to 12 mins. and test function,
 tilt range of luminaire 90°, adjustment range of
 sensor 30° vertically, 65° horizontally,
 PG11 cable gland, integral driver



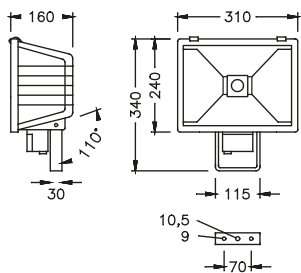
LED floodlights Mini Sensorlight, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 240 046 059	black	1 x LED module 41 W warm white (3000 K)	4042 lm	C 0 – 180	C 90 – 270
8 240 066 059	white			56°	72°

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 240 045 059	black	1 x LED module 41 W neutral white (4000 K)	4255 lm	C 0 – 180	C 90 – 270
8 240 065 059	white			56°	72°

LED (see page 185)





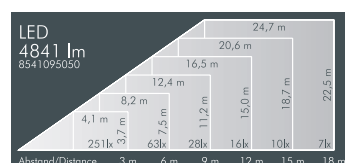
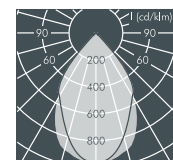
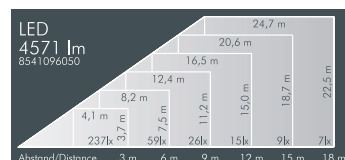
LED floodlights Maxi

With 1 x high performance LED module (Zhaga), CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B20 > 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 floodlights Maxi, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 541 096 059	unpainted	1 x LED module 54 W warm white (3000 K)	4571 lm	C 0 – 180	C 90 – 270

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 541 095 059	unpainted	1 x LED module 54 W neutral white (4000 K)	4841 lm	C 0 – 180	C 90 – 270

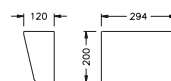
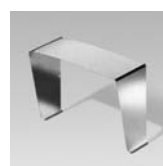
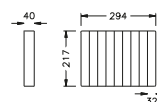
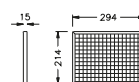


Accessories LED floodlights Maxi

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

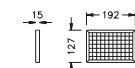


LED (see page 185)

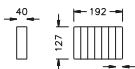


Accessories LED floodlights Mini and Mini Sensorlight

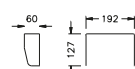
Part number	Colour	Description
125 0 184 000	unpainted	Protection grill , stainless steel, to protect the glass from stone chip and vandalism, for retrofitting, only one accessory per luminaire, not in combination
125 0 184 940	black	
125 0 184 960	white	



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

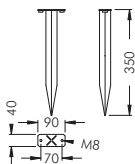


Part number	Colour	Description
135 0 427 000	unpainted	Cowl , stainless steel, to avoid glare from 3 directions, for retrofitting, only one accessory per luminaire, not in combination
135 0 427 940	black	
135 0 427 960	white	

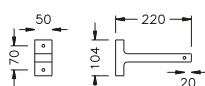


Accessories LED floodlights Mini and Maxi

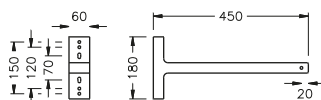
Part number	Colour	Description
129 0 390 940	black	Stainless steel earth spike , for use in landscape lighting



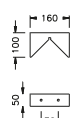
Part number	Colour	Description
125 0 160 940	black	Wall bracket 220 mm , aluminium, polyester powder coated, allows horizontal adjustment and directional aiming of luminaire
125 0 160 960	white	
125 0 160 950	silver grey	



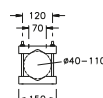
Part number	Colour	Description
128 0 294 940	black	Wall bracket 450 mm , aluminium, polyester powder coated, allows horizontal adjustment and directional aiming of luminaire
128 0 294 960	white	
128 0 294 950	silver grey	



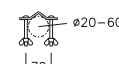
Part number	Colour	Description
125 0 197 940	black	Corner fixing bracket A , aluminium, polyester powder coated, for mounting floodlights on 90° corners
125 0 197 960	white	
125 0 197 950	silver grey	



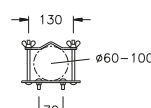
Part number	Colour	Description
120 0 240 940	black	Universal pole clamp , aluminium, polyester powder coated, stainless steel bolts, for poles \varnothing 40-110 mm
120 0 240 960	white	
120 0 240 950	silver grey	



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



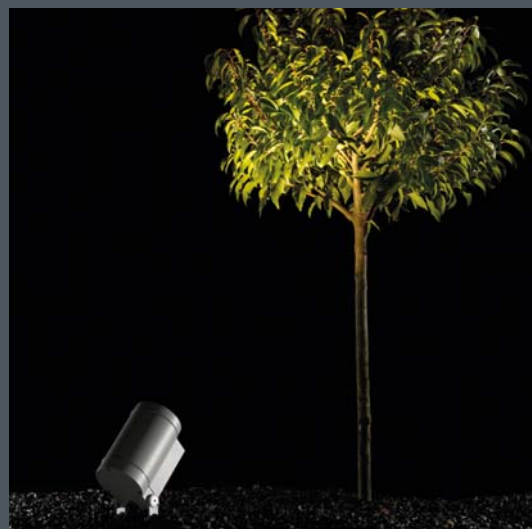


Design: Roy Fleetwood

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.

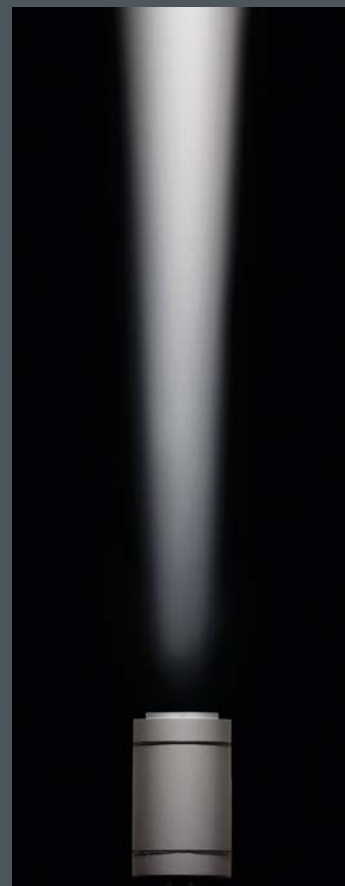
These floodlights are available in two sizes: Ecospot Mini with a single LED and Ecospot with a high performance LED module.

Thanks to their precise optics and well-conceived design, Ecospot floodlights are sustainable and very economical tools for accent lighting.



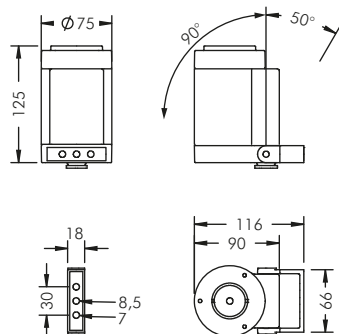
An earth spike is available when using these floodlights for landscape lighting.

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



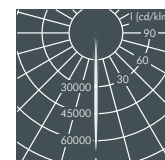
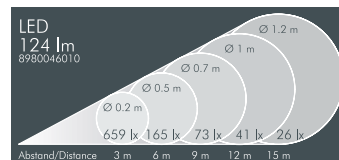


Ecospot Mini

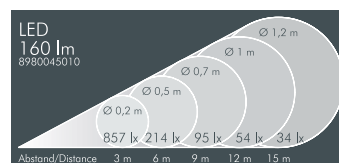
With 1 x 3 W high performance LED,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 IK08
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 all exterior steel parts are stainless steel,
 tempered high transmission safety glass,
 silicon gasket, mounting bracket powder coated
 aluminium with tilt scale:
 2 drilled holes \varnothing 7 mm, spacing 30 mm,
 1 centre hole \varnothing 8.5 mm, tilt range 140°,
 M20 cable gland, integral driver (AC/DC)

Ecospot Mini, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 046 019	black	1 x LED 3 W warm white	124 lm	4°
8 980 066 019	white	(3000 K)		
8 980 056 019	silver grey			

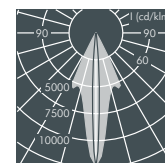
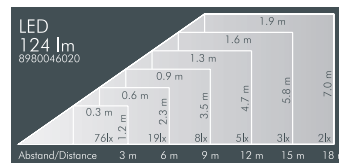


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 045 019	black	1 x LED 3 W neutral white	160 lm	4°
8 980 065 019	white	(4000 K)		
8 980 055 019	silver grey			

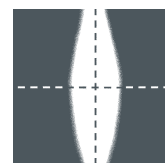
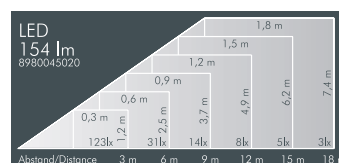


Ecospot Mini, linear beam spread, vertical

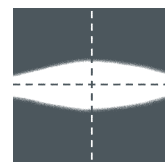
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 980 046 029	black	1 x LED 3 W warm white	124 lm	24°	6°
8 980 066 029	white	(3000 K)			
8 980 056 029	silver grey				



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

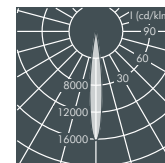
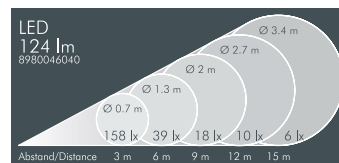


Part number	Description
... .3.	Luminaire with linear beam spread, horizontal

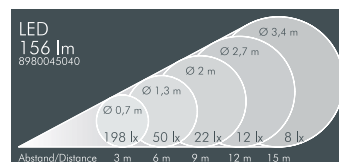


Ecospot Mini, medium wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 046 049	black	1 x LED 3 W warm white	124 lm	13°
8 980 066 049	white	(3000 K)		
8 980 056 049	silver grey			



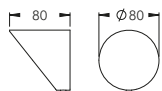
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 980 045 049	black	1 x LED 3 W neutral white	156 lm	13°
8 980 065 049	white	(4000 K)		
8 980 055 049	silver grey			



LED (see page 185)

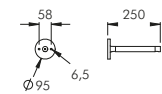
Luminaires available in 2700 K and other colour temperatures on request



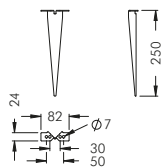


Accessories for Ecospot Mini

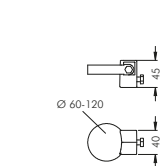
Part number	Colour	Description
129 0 498 940	black	Cowl , stainless steel,
129 0 498 960	white	to avoid lateral glare, for retro-fitting,
129 0 498 950	silver grey	only one accessory per luminaire, not in combination



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	



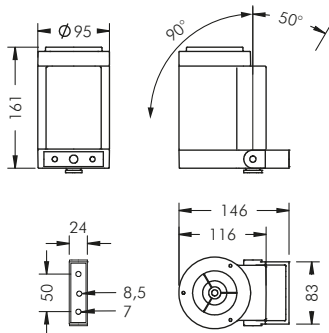
Part number	Colour	Description
129 0 502 940	black	Stainless steel earth spike ,
129 0 502 960	white	for use in landscape lighting
129 0 502 950	silver grey	



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.

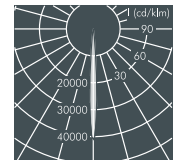
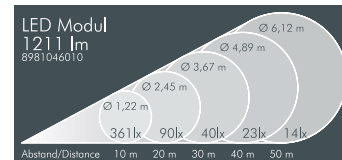


Ecospot

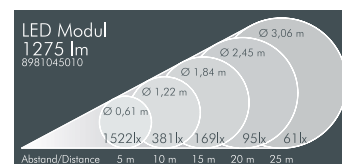
With 1 x 19 W high performance LED module, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L80/B10 > 50 000 h
 protection class I, IP65 , IK08
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 rotationally symmetrical aluminium reflector, radial louvre, all exterior steel parts are stainless steel,
 tempered high transmission safety glass, silicon gasket, mounting bracket powder coated aluminium with tilt scale:
 2 drilled holes Ø 7 mm, spacing 50 mm,
 1 centre hole Ø 8.5 mm, tilt range 140 °,
 M20 cable gland, integral driver (dimnable 1-10 V)

Ecospot, narrow beam

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

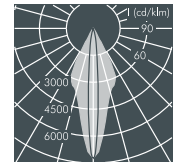
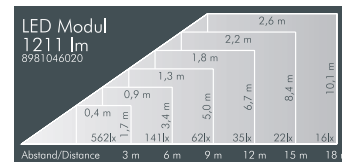


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 981 045 019	black	1 x LED 19 W neutral white	1275 lm	6°
8 981 065 019	white	(4000 K)		
8 981 055 019	silver grey			



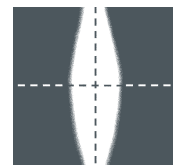
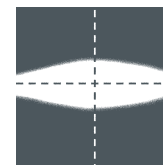
Ecospot, linear beam spread, vertical

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



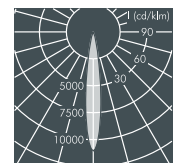
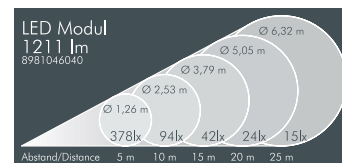
Part number*	Description
... .. .3.	Luminaire with linear beam spread, horizontal

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

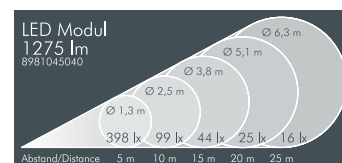


Ecospot, medium wide beam

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



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



Part number	Description
... .. .5..	Luminaire with 1 x LED 15 W (350 mA), for high ambient temperature (t _{max} : 50 °C)

LED (see page 185)

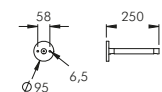
Luminaires available in 2700 K or other colour temperatures on request



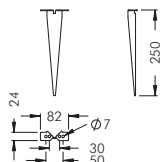


Accessories for Ecospot

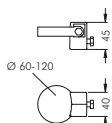
Part number	Colour	Description
129 0 499 940	black	Cowl , stainless steel,
129 0 499 960	white	to avoid lateral glare, for retro-fitting,
129 0 499 950	silver grey	only one accessory per luminaire, not in combination



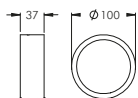
Part number	Colour	Description
129 0 500 940	black	Wall arm 250 mm ,
129 0 500 960	white	aluminium, polyester powder coated
129 0 500 950	silver grey	



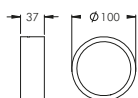
Part number	Colour	Description
129 0 502 940	black	Stainless steel earth spike ,
129 0 502 960	white	for use in landscape lighting
129 0 502 950	silver grey	



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



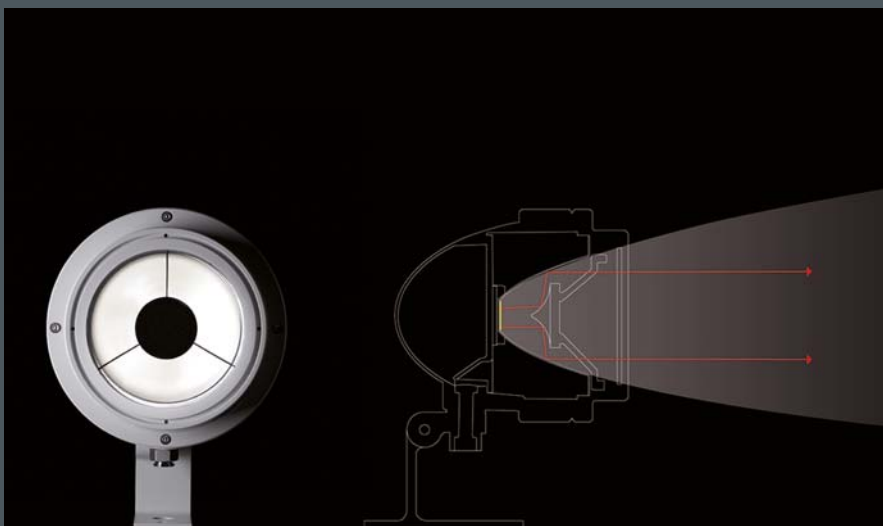
The honeycomb louvre provides optimal glare control and is protected against dirt by an additional glass.



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.



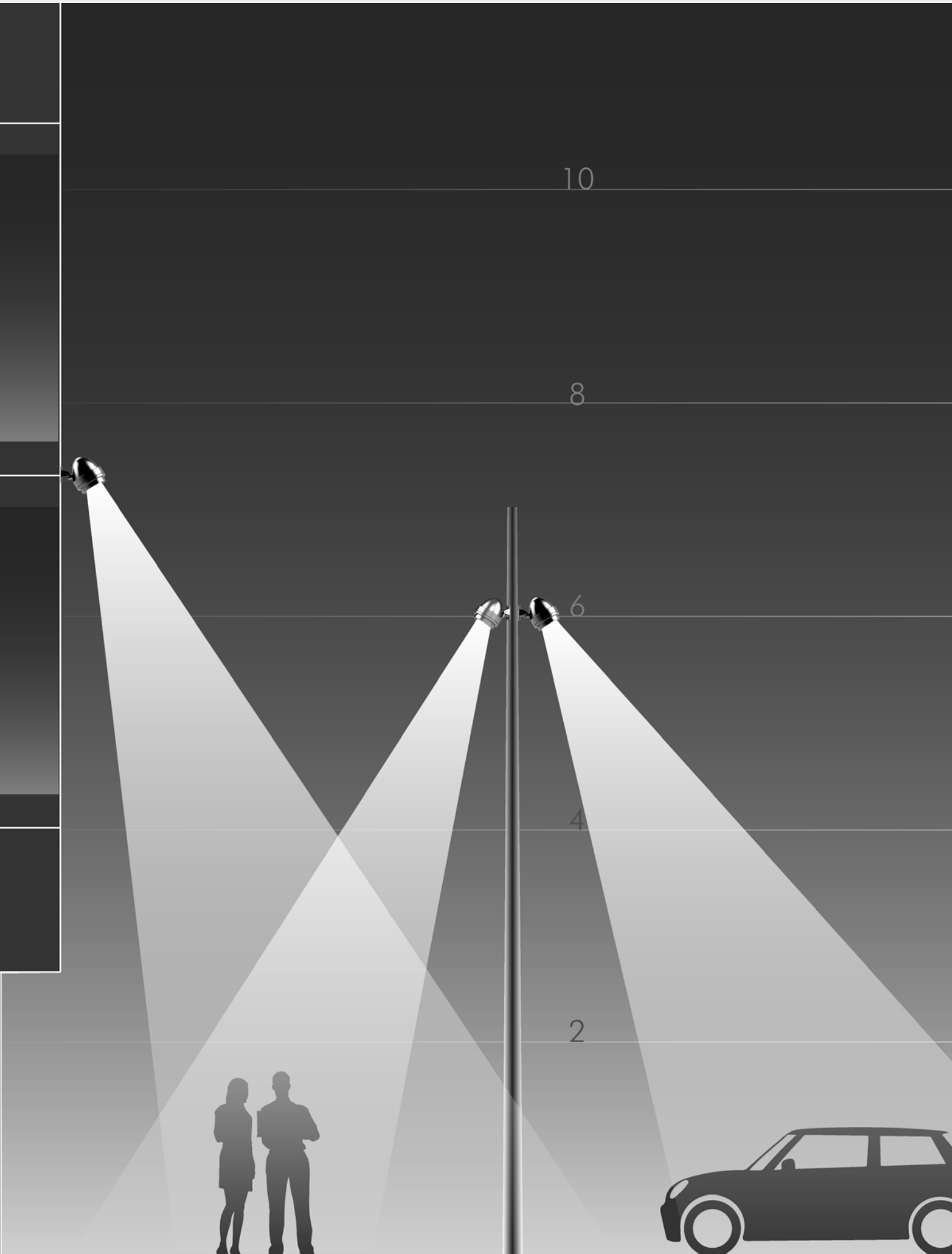
Montforthaus, Feldkirch/Austria

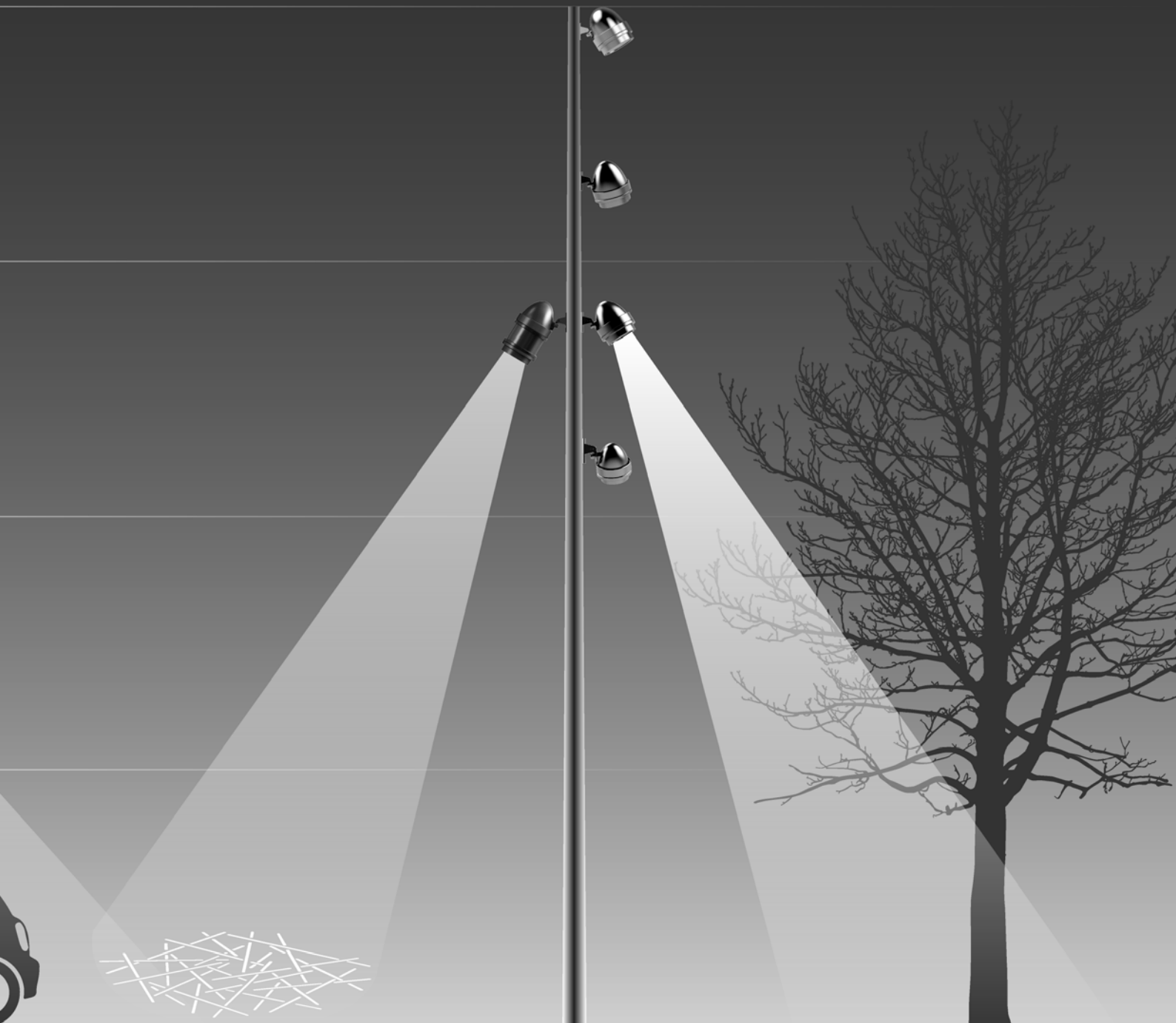
Lighting design:

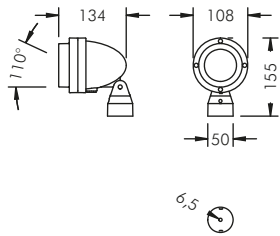
LDE Belzner Holmes, Stuttgart/Eschen, Lichtenstein

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.







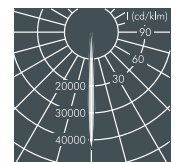
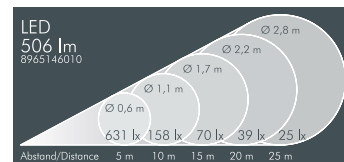


Nightspot A

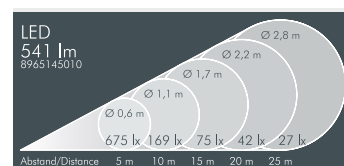
Equipped with 4 x 1.5 W high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK08
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 all exterior steel parts 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 146 019	black	4 x LED 1.5 W warm white	506 lm	6°
8 965 166 019	white	(3000 K)		
8 965 156 019	silver grey			

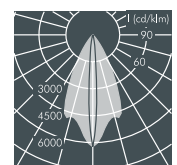
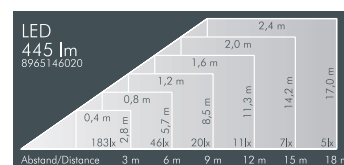


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 145 019	black	4 x LED 1.5 W neutral white	541 lm	6°
8 965 165 019	white	(4000 K)		
8 965 155 019	silver grey			

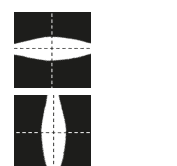
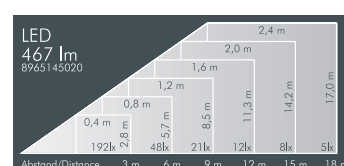


Nightspot A, linear beam spread, 90° adjustable

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

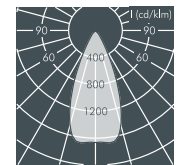
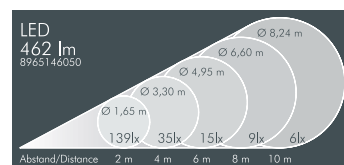


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 965 145 029	black	4 x LED 1.5 W neutral white	467 lm	51°	8°
8 965 165 029	white	(4000 K)			
8 965 155 029	silver grey				

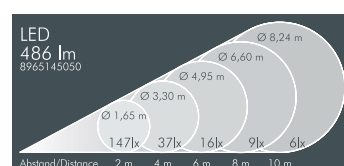


Nightspot A, wide beam*

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



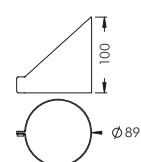
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 145 059	black	4 x LED 1.5 W neutral white	486 lm	45°
8 965 165 059	white	(4000 K)		
8 965 155 059	silver grey			



*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 retrofitting, only one accessory per luminaire, not in combination



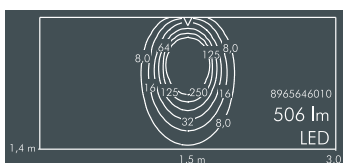
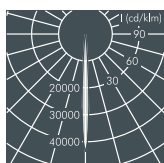
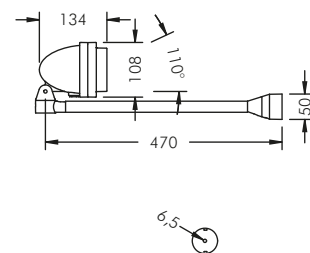
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



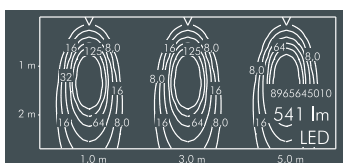
Nightspot A with wall arm

Equipped with 4 x 1.5 W 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)

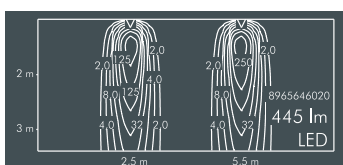
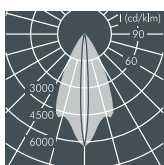


Nightspot A with wall arm, narrow beam

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

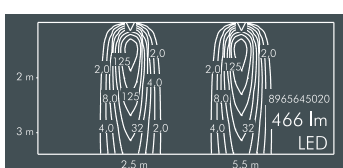


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 645 019	black	4 x LED 1.5 W neutral white	541 lm	6°
8 965 665 019	white	(4000 K)		
8 965 655 019	silver grey			

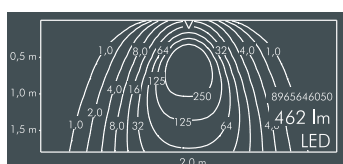
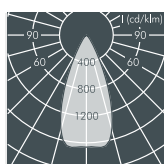


Nightspot A with wall arm, linear beam spread, 90° adjustable

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

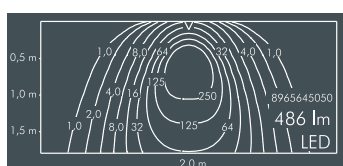


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 965 645 029	black	4 x LED 1.5 W neutral white	466 lm	51°	8°
8 965 665 029	white	(4000 K)			
8 965 655 029	silver grey				



Nightspot A with wall arm, wide beam*

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



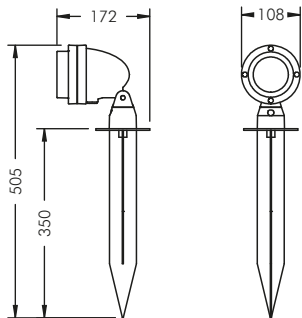
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 645 059	black	4 x LED 1.5 W neutral white	486 lm	45°
8 965 665 059	white	(4000 K)		
8 965 655 059	silver grey			

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

LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



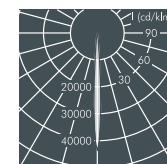
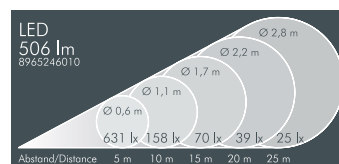


Nightspot A with earth spike

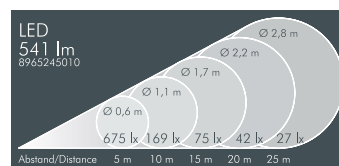
Equipped with 4 x 1.5 W high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 (cable IP44)
 IK08 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 246 019	black	4 x LED 1.5 W warm white	506 lm	6°
8 965 266 019	white	(3000 K)		
8 965 256 019	silver grey			

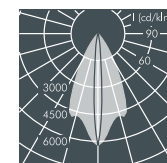
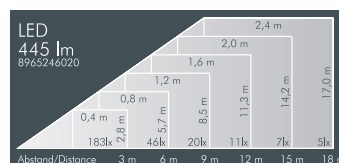


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 965 245 019	black	4 x LED 1.5 W neutral white	541 lm	6°
8 965 265 019	white	(4000 K)		
8 965 255 019	silver grey			

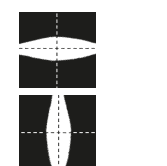
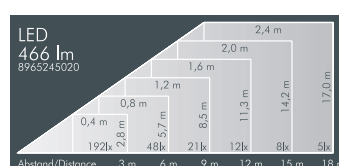


Nightspot A, with earth spike, linear beam spread, 90° adjustable

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

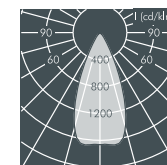
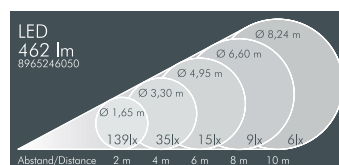


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 965 245 029	black	4 x LED 1.5 W neutral white	466 lm	51°	8°
8 965 265 029	white	(4000 K)			
8 965 255 029	silver grey				

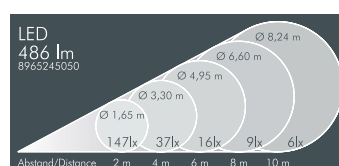


Nightspot A, with earth spike, wide beam*

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



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



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

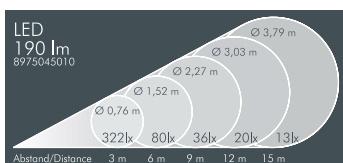
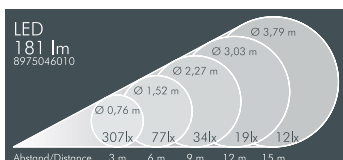
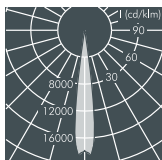
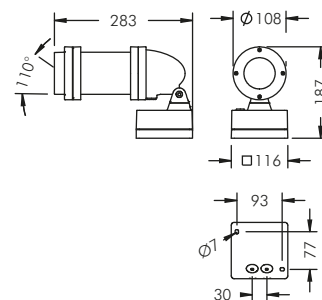
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



Nightspot A Gobo Projector

With 1 x high performance LED module,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L80/B10 > 50 000 h
 protection class I, IP65 \blacklozenge \blacktriangle \blacktriangle , 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 \varnothing 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



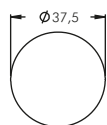
Nightspot A Gobo Projector, 85 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 975 046 019	black	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	Light source	Luminous flux	Beam angle
8 975 045 019	black	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	



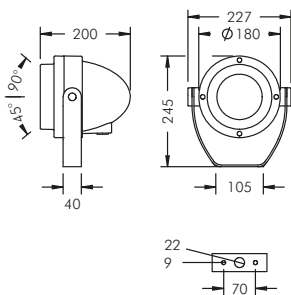
Part number	Example	Description
129 0 459 000	waves	Standard gobos \varnothing 37.5 mm
129 0 460 000	stars	
129 0 461 000	hatch	



LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



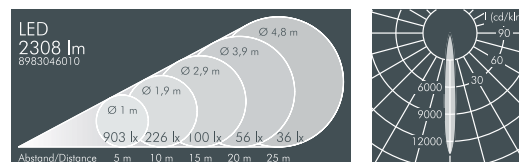


Nightspot A2 with mounting bracket

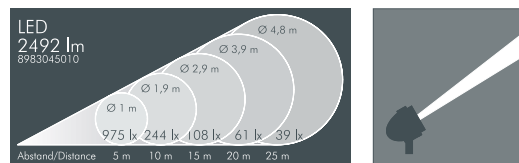
With 1 x high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I or II, IP67 IK08
 windage area AW 0.035 m²
 corrosion-resistant cast aluminium housing AlSi12, polyester powder coated, 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 046 019	black	1 x LED module 28 W	2308 lm	11°
8 983 066 019	white	warm white (3000 K)		
8 983 056 019	silver grey			

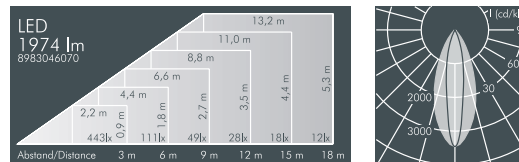


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 045 019	black	1 x LED module 28 W	2492 lm	11°
8 983 065 019	white	neutral white (4000 K)		
8 983 055 019	silver grey			



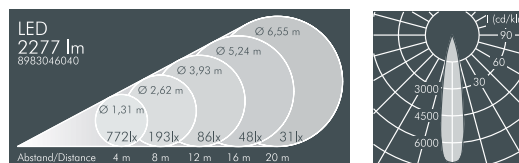
Nightspot A2 with mounting bracket, narrow beam (with secondary reflector)

Part number	Description	Beam angle γ (FWHM)	
		C 0 - 180	C 90 - 270
. 7.	Luminaire with ribbed glass spreader lens, internally fitted, for linear beam distribution, continuously adjustable through 360°	17°	40°

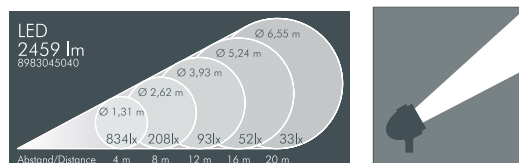


Nightspot A2 with mounting bracket, medium wide beam (with secondary reflector)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 046 049	black	1 x LED module 28 W	2277 lm	19°
8 983 066 049	white	warm white (3000 K)		
8 983 056 049	silver grey			



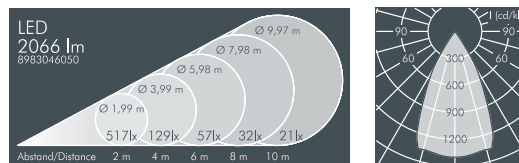
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 045 049	black	1 x LED module 28 W	2459 lm	19°
8 983 065 049	white	neutral white (4000 K)		
8 983 055 049	silver grey			



Nightspot A2 with mounting bracket, wide beam (secondary reflector available as accessory)

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 046 059	black	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)

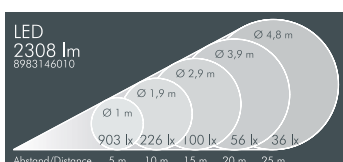
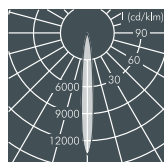
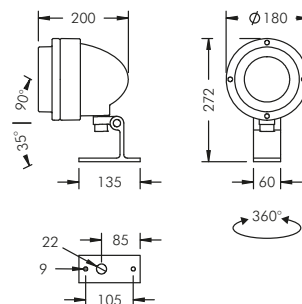
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



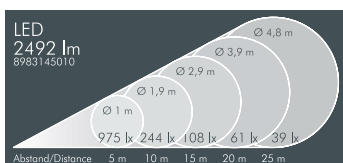
Nightspot A2 with mounting base

With 1 x 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 0.035 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)

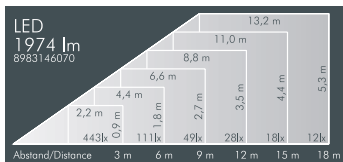
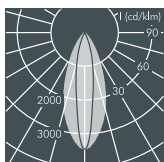


Nightspot A2 with mounting base, narrow beam (with secondary reflector)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 146 019	black	1 x LED module 28 W	2308 lm	11°
8 983 166 019	white	warm white (3000 K)		
8 983 156 019	silver grey			

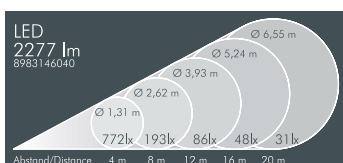
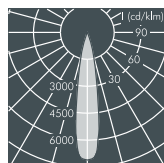


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 145 019	black	1 x LED module 28 W	2492 lm	11°
8 983 165 019	white	neutral white (4000 K)		
8 983 155 019	silver grey			



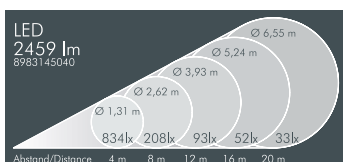
Nightspot A2 with mounting base, narrow beam (with secondary reflector)

Part number	Description	Beam angle γ (FWHM)
.....7.	Luminaire with ribbed glass spreader lens, internally fitted, for linear beam distribution, continuously adjustable through 360°	C 0 - 180 17° C 90 - 270 40°

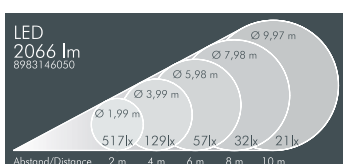
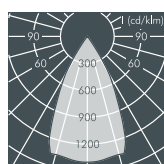


Nightspot A2 with mounting base, medium wide beam (with secondary reflector)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 146 049	black	1 x LED module 28 W	2277 lm	19°
8 983 166 049	white	warm white (3000 K)		
8 983 156 049	silver grey			



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 145 049	black	1 x LED module 28 W	2459 lm	19°
8 983 165 049	white	neutral white (4000 K)		
8 983 155 049	silver grey			



Nightspot A2 with mounting base, wide beam (secondary reflector available as accessory)

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 146 059	black	1 x LED module 28 W	2066 lm	53°
8 983 166 059	white	warm white (3000 K)		
8 983 156 059	silver grey			

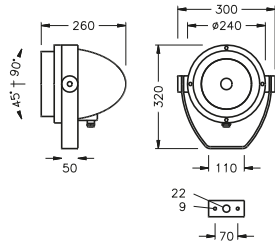
*These luminaires are also available with neutral white LED (4000 K) upon request.

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 185)

Luminaires available in 2700 K or other colour temperatures on request



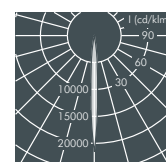
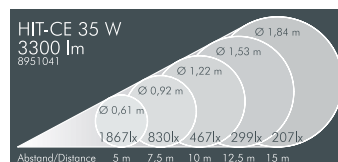


Nightspot B with mounting bracket

For metal halide lamps (HIT) and ceramic metal halide lamps (HIT-CE) protection class I, IP65 \diamond \triangle \triangle , IK08 windage area AW 0.05 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, mounting bracket powder coated aluminium with tilt scale: 2 drilled holes \varnothing 9 mm, spacing 70 mm, 1 centre hole \varnothing 22 mm, tilt range 135°, M20 cable gland, integral LPF ballast and ignitor, HPF available (see page 184), supplied without lamp

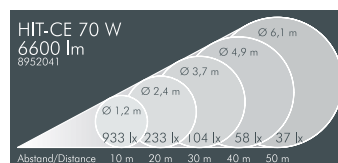
Nightspot B 35 W with mounting bracket, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 951 041 009	black	HIT-CE 35 W	G12	5.8 kg	7°
8 951 061 009	white				
8 951 051 009	silver grey				



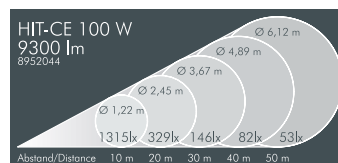
Nightspot B 70 W with mounting bracket, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 041 009	black	HIT 70 W	G12	6.2 kg	7°
8 952 061 009	white	HIT-CE 70 W			
8 952 051 009	silver grey				



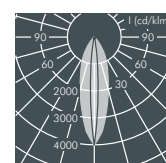
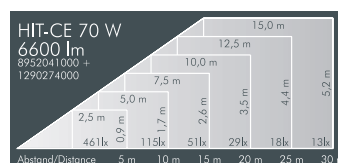
Nightspot B 100 W with mounting bracket, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 044 009	black	HIT-CE 100 W	G12	6.4 kg	7°
8 952 064 009	white				
8 952 054 009	silver grey				



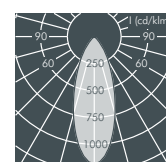
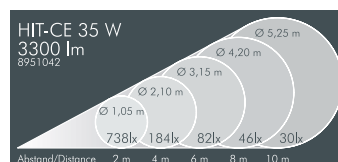
Accessories for Nightspot B 35/70/100 W, narrow beam

Part number	Description	Beam angle γ (FWHM)
129 0 274 000	Ribbed glass spreader lens , internally fitted, for linear beam distribution, continuously adjustable through 360°	C 0 – 180 C 90 – 270
		8° 30°



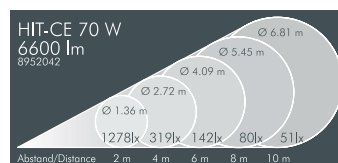
Nightspot B 35 W with mounting bracket, medium wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 951 042 009	black	HIT-CE 35 W	G12	5.8 kg	38°
8 951 062 009	white				
8 951 052 009	silver grey				



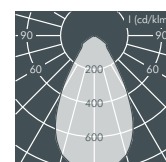
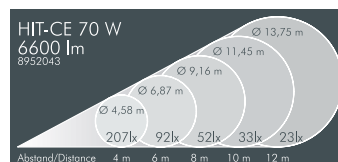
Nightspot B 70 W with mounting bracket, medium wide beam

Part number*	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 042 009	black	HIT 70 W	G12	6.2 kg	38°
8 952 062 009	white	HIT-CE 70 W			
8 952 052 009	silver grey				



Nightspot B 70 W with mounting bracket, wide beam

Part number*	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 043 009	black	HIT 70 W	G12	6.2 kg	60°
8 952 063 009	white	HIT-CE 70 W			
8 952 053 009	silver grey				



*These luminaires are also available for HIT-CE 100 W lamps upon request.

*These luminaires are also available for HIT-CE 35 W or 100 W lamps upon request.

Lamps

HIT

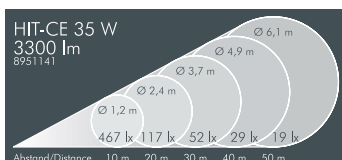
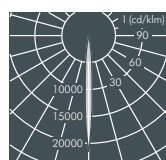
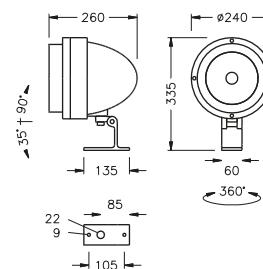


HIT-CE



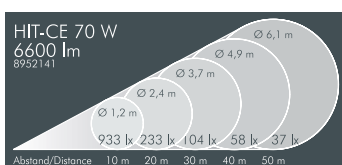
Nightspot B with mounting base

For metal halide lamps (HIT) and ceramic metal halide lamps (HIT-CE) protection class I, IP65 \blacklozenge \blacktriangle \blacktriangle , IK08 windage area AW 0.05 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 base adjustable: 2 drilled holes \varnothing 9 mm, spacing 105 mm, 1 centre hole \varnothing 22 mm, tilt range 125°, swivel range 360°, M20 cable gland, integral LPF ballast and ignitor, HPF available (see page 184), supplied without lamp



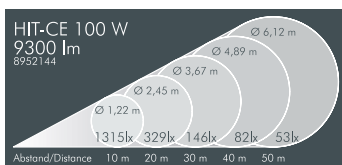
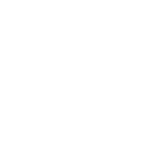
Nightspot B 35 W with mounting base, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 951 141 009	black	HIT-CE 35 W	G12	5.6 kg	7°
8 951 161 009	white				
8 951 151 009	silver grey				



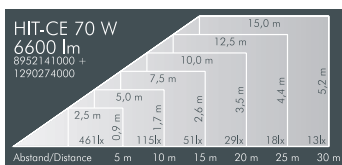
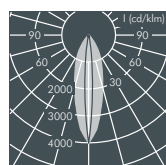
Nightspot B 70 W with mounting base, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 141 009	black	HIT 70 W	G12	6.0 kg	7°
8 952 161 009	white	HIT-CE 70 W			
8 952 151 009	silver grey				



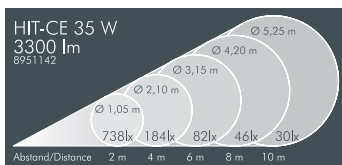
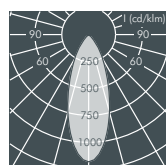
Nightspot B 100 W with mounting base, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 144 009	black	HIT-CE 100 W	G12	6.2 kg	7°
8 952 164 009	white				
8 952 154 009	silver grey				



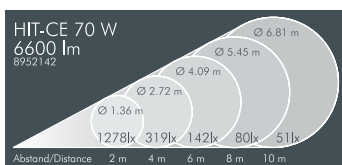
Accessories for Nightspot B 35/70/100 W, narrow beam

Part number	Description	Beam angle γ (FWHM)
129 0 274 000	Ribbed glass spreader lens , internally fitted, for linear beam distribution, continuously adjustable through 360°	C 0 – 180 C 90 – 270
		8° 30°



Nightspot B 35 W with mounting base, medium wide beam

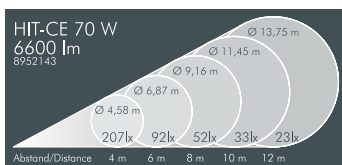
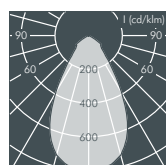
Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 951 142 009	black	HIT-CE 35 W	G12	5.6 kg	38°
8 951 162 009	white				
8 951 152 009	silver grey				



Nightspot B 70 W with mounting base, medium wide beam

Part number*	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 142 009	black	HIT 70 W	G12	6.0 kg	38°
8 952 162 009	white	HIT-CE 70 W			
8 952 152 009	silver grey				

*These luminaires are also available for HIT-CE 100 W lamps upon request.



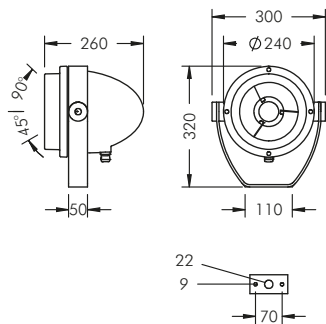
Nightspot B 70 W with mounting base, wide beam

Part number*	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 143 009	black	HIT 70 W	G12	6.0 kg	60°
8 952 163 009	white	HIT-CE 70 W			
8 952 153 009	silver grey				

*These luminaires are also available for HIT-CE 35 W or 100 W lamps upon request.

Lamps



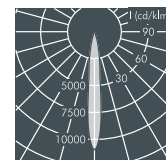
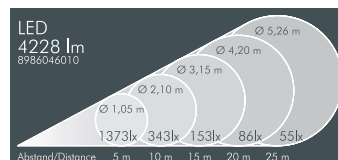


Nightspot B with mounting bracket

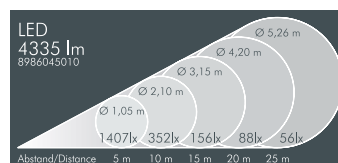
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I or II, IP67 , IK08
 windage area AW 0.05 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, rotationally 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 046 019	black	1 x LED module 54 W	4228 lm	12°
8 986 066 019	white	warm white (3000 K)		
8 986 056 019	silver grey			

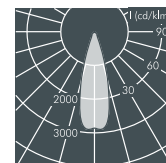
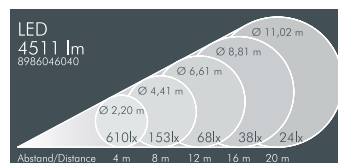


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 045 019	black	1 x LED module 54 W	4335 lm	12°
8 986 065 019	white	neutral white (4000 K)		
8 986 055 019	silver grey			

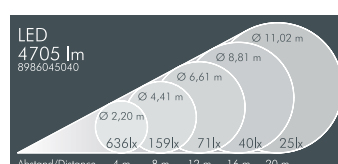


Nightspot B with mounting bracket, medium wide beam (with secondary reflector)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 046 049	black	1 x LED module 54 W	4511 lm	31°
8 986 066 049	white	warm white (3000 K)		
8 986 056 049	silver grey			

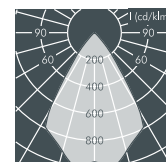
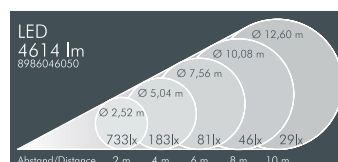


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 045 049	black	1 x LED module 54 W	4705 lm	31°
8 986 065 049	white	neutral white (4000 K)		
8 986 055 049	silver grey			

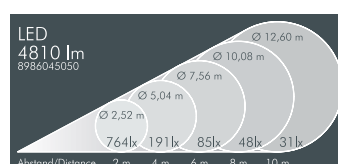


Nightspot B with mounting bracket, wide beam (secondary reflector available as accessory)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 046 059	black	1 x LED module 54 W	4614 lm	64°
8 986 066 059	white	warm white (3000 K)		
8 986 056 059	silver grey			



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 045 059	black	1 x LED module 54 W	4810 lm	64°
8 986 065 059	white	neutral white (4000 K)		
8 986 055 059	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)

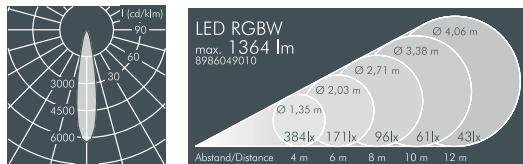
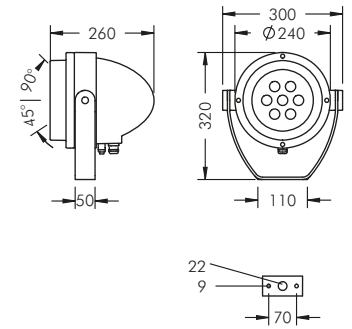
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



Nightspot B RGBW with mounting bracket

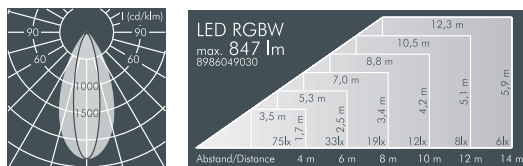
With 7 x RGBW high performance LEDs,
 external DMX-controller required,
 integral temperature monitoring device
 protection class I, IP67    , IK08
 windage area AW 0.05 m²
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 all exterior steel parts are stainless steel,
 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)



LED RGBW	
max. 1364 lm	8986049010
Abstand/Distance	4 m 6 m 8 m 10 m 12 m

Nightspot B RGBW with mounting bracket, narrow beam

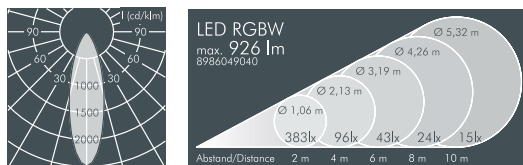
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 049 019	black	7 x LED module RGBW 1.5 W	max.	19°
8 986 069 019	white	W = 4000 K	1364 lm	
8 986 059 019	silver grey	(max. 42 W)		



LED RGBW	
max. 847 lm	8986049030
Abstand/Distance	4 m 6 m 8 m 10 m 12 m 14 m

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° 47°

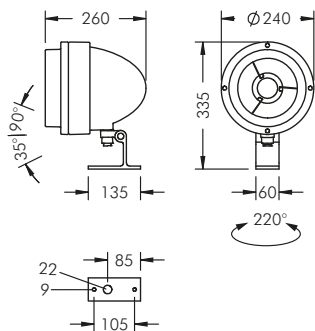


LED RGBW	
max. 926 lm	8986049040
Abstand/Distance	2 m 4 m 6 m 8 m 10 m

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)		



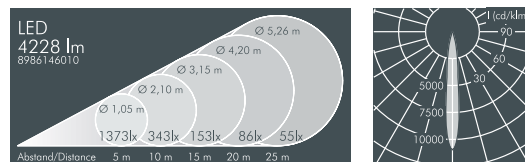


Nightspot B with mounting base

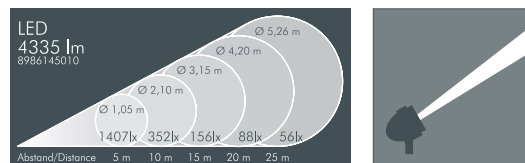
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I or II, IP67 \diamond \blacktriangle \blacktriangleleft \blacktriangleright , IK08
 windage area AW 0.05 m²
 corrosion-resistant 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 \varnothing 9 mm, spacing 105 mm, 1 centre hole \varnothing 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 146 019	black	1 x LED module 54 W	4228 lm	12°
8 986 166 019	white	warm white (3000 K)		
8 986 156 019	silver grey			

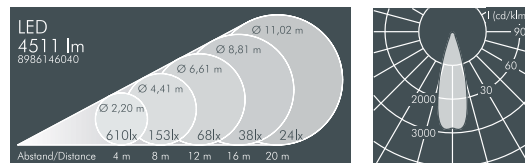


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 145 019	black	1 x LED module 54 W	4335 lm	12°
8 986 165 019	white	neutral white (4000 K)		
8 986 155 019	silver grey			

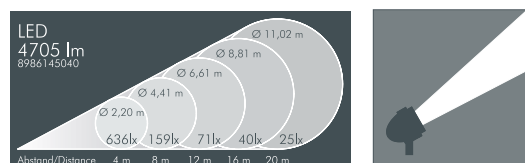


Nightspot B with mounting base, medium wide beam (with secondary reflector)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 146 049	black	1 x LED module 54 W	4511 lm	31°
8 986 166 049	white	warm white (3000 K)		
8 986 156 049	silver grey			

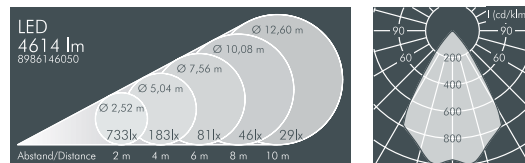


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 145 049	black	1 x LED module 54 W	4705 lm	31°
8 986 165 049	white	neutral white (4000 K)		
8 986 155 049	silver grey			

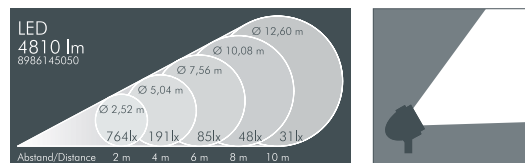


Nightspot B with mounting base, wide beam (secondary reflector available as accessory)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 146 059	black	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	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 145 059	black	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)
Protection class II luminaire	
5..	Luminaire not dimmable
6..	Dimmable version (DALI)
7..	Dimmable version (1-10 V)

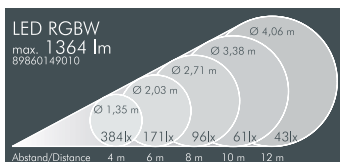
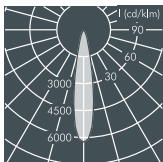
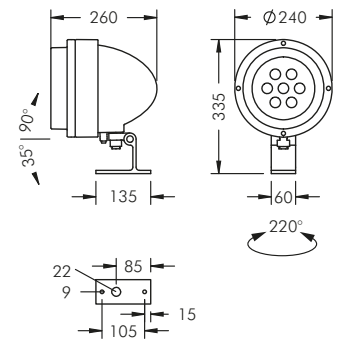
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



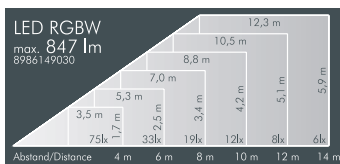
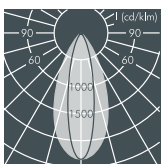
Nightspot B RGBW with mounting base

With 7 x RGBW high performance LEDs,
 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)



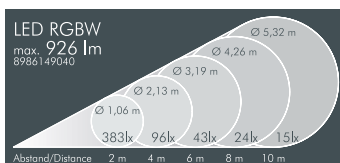
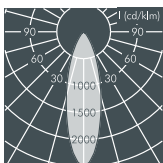
Nightspot B RGBW with mounting base, narrow beam

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.	19°
8 986 169 019	white	W = 4000 K	1364 lm	
8 986 159 019	silver grey	(max. 42 W)		



Nightspot B RGBW with mounting base, elliptical beam spread

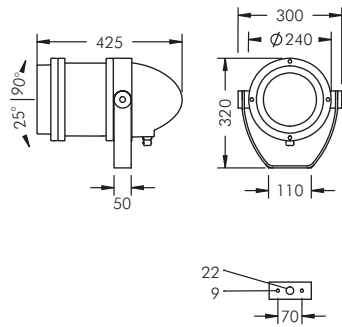
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 149 039	black	7 x LED module RGBW 1.5 W	max.	C 0 - 180
8 986 169 039	white	W = 4000 K	847 lm	C 90 - 270
8 986 159 039	silver grey	(max. 42 W)		24°



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.	30°
8 986 169 049	white	W = 4000 K	926 lm	
8 986 159 049	silver grey	(max. 42 W)		





Nightspot B/RGBW Gobo Projector

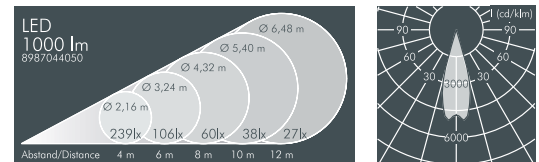
Monochrome: With 1 x high performance LED module, CRI: > 70, Colour tolerance: max. 4 SDCM
Service life: L70/B20 > 50 000 h
protection class I or II, IP67 $\diamond \blacktriangle \blacktriangle \blacktriangle$ CS , IK08
integral driver (AC/DC)

RGBW: With 1 x RGBW high performance LED module, protection class I, IP67 $\diamond \blacktriangle \blacktriangle \blacktriangle$ CS , 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 \varnothing 9 mm, spacing 70 mm,
1 centre hole \varnothing 22 mm, tilt range 115°,
M20 cable gland

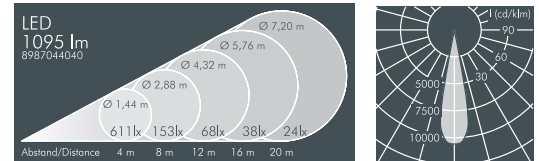
Nightspot B Gobo Projector, 63 mm focal length

Part number*	Colour	Light source	Luminous flux	Beam angle
8 987 044 059	black	1 x LED module 47 W	1000 lm	30°
8 987 064 059	white	cool white (6500 K)		
8 987 054 059	silver grey			



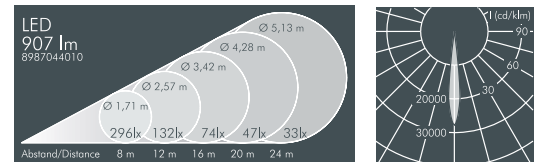
Nightspot B Gobo Projector, 85 mm focal length

Part number*	Colour	Light source	Luminous flux	Beam angle
8 987 044 049	black	1 x LED module 47 W	1095 lm	20°
8 987 064 049	white	cool white (6500 K)		
8 987 054 049	silver grey			



Nightspot B Gobo Projector, 150 mm focal length

Part number*	Colour	Light source	Luminous flux	Beam angle
8 987 044 019	black	1 x LED module 47 W	907 lm	12°
8 987 064 019	white	cool white (6500 K)		
8 987 054 019	silver grey			

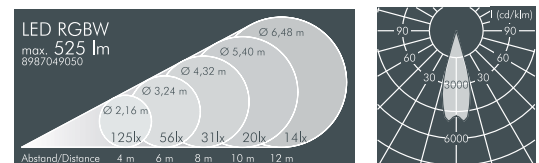


Part number*	Protection class I luminaire			
. 1..	Dimmable version (DALI)			
. 2..	Dimmable version (1-10 V)			
	Protection class II luminaire			
. 5..	Luminaire not dimmable			
. 6..	Dimmable version (DALI)			
. 7..	Dimmable version (1-10 V)			

*Luminaires available in 2700 K or 3000 K on request

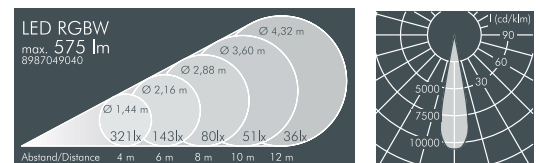
Nightspot B RGBW Gobo Projector, 63 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 987 049 059	black	1 x LED module RGBW	max. 525 lm	30°
8 987 069 059	white	W = 6000 K		
8 987 059 059	silver grey	(max. 38 W)		



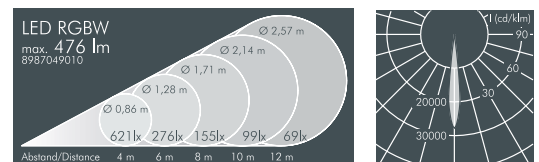
Nightspot B RGBW Gobo Projector, 85 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 987 049 049	black	1 x LED module RGBW	max. 575 lm	20°
8 987 069 049	white	W = 6000 K		
8 987 059 049	silver grey	(max. 38 W)		



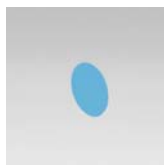
Nightspot B RGBW Gobo Projector, 150 mm focal length

Part number	Colour	Light source	Luminous flux	Beam angle
8 987 049 019	black	1 x LED module RGBW	max. 476 lm	12°
8 987 069 019	white	W = 6000 K		
8 987 059 019	silver grey	(max. 38 W)		



LED (see page 185)





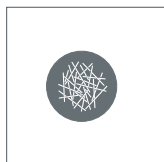
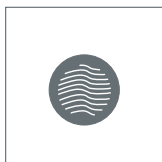
Accessories Nightspot B Gobo Projector 63/85/150 mm focal length

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/RGBW Gobo Projector

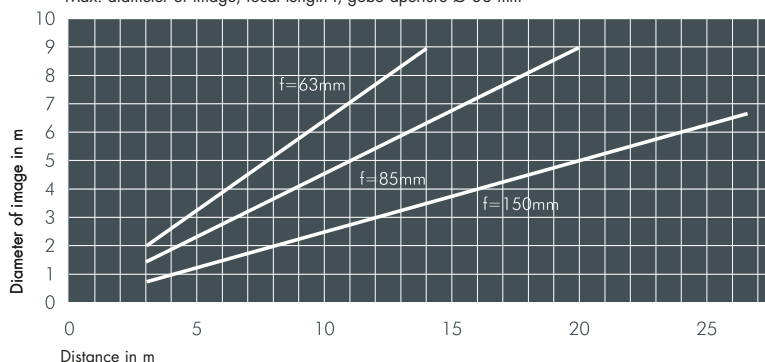
Part number	Description
129 0 257 000	Framer for sharp edges on 3 or 4-sided images



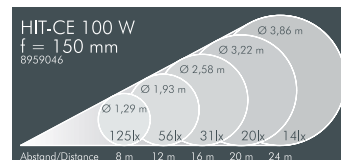
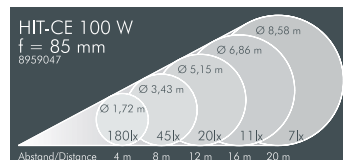
Part number	Example	Description
129 0 489 000	waves	Standard gobos Ø 50 mm
129 0 490 000	stars	
129 0 491 000	hash	

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

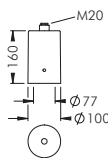


Lux level comparison HIT-CE 100 W / LED 47 W



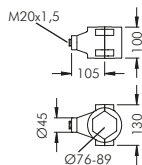
focal length 85 mm, distance 12 m:
HIT-CE 100 W:
20 lux average level
LED 47 W:
68 lux average level

focal length 150 mm, distance 16 m:
HIT-CE 100 W:
31 lux average level
LED 47 W:
74 lux average level

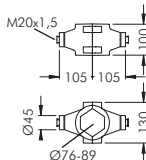


Accessories Nightspot B/RGBW Gobo Projector

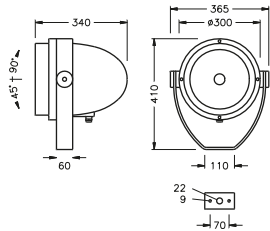
Part number	Colour	Description
128 0 626 940	black	Pole Top Fitter , aluminium, for 76 mm pole top, with M20 x 1.5 connection thread, for installation of one luminaire
128 0 626 960	white	
128 0 626 950	silver grey	



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	

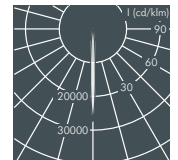
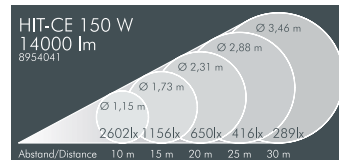


Nightspot C with mounting bracket

For metal halide lamps (HIT) and ceramic metal halide lamps (HIT-CE) protection class I, IP65 \diamond \triangle \triangle , IK08 windage area AW 0.08 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 \varnothing 9 mm, spacing 70 mm, 1 centre hole \varnothing 22 mm, tilt range 135°, M20 cable gland, integral LPF ballast and ignitor, MPF available on request (see page 184), supplied without lamp

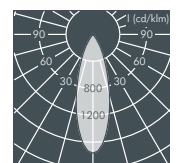
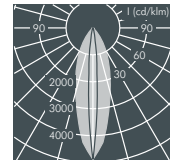
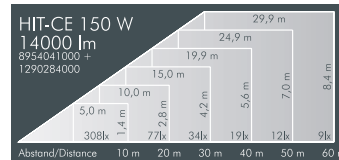
Nightspot C 150 W with mounting bracket, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 954 041 009	black	HIT 150 W	G12	9.8 kg	5°
8 954 061 009	white	HIT-CE 150 W			
8 954 051 009	silver grey				



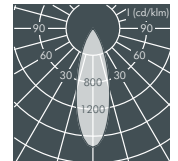
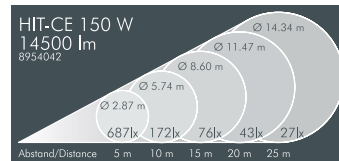
Accessories for Nightspot C 150 W, narrow beam

Part number	Description	Beam angle γ (FWHM)	
		C 0 - 180	C 90 - 270
129 0 284 000	Ribbed glass , internally fitted, for linear beam distribution, continuously adjustable through 360°	8°	30°



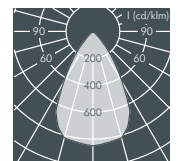
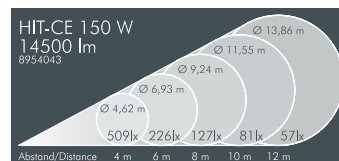
Nightspot C 150 W with mounting bracket, medium wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 954 042 009	black	HIT 150 W	G12	9.8 kg	32°
8 954 062 009	white	HIT-CE 150 W			
8 954 052 009	silver grey				



Nightspot C 150 W with mounting bracket, wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 954 043 009	black	HIT 150 W	G12	9.8 kg	60°
8 954 063 009	white	HIT-CE 150 W			
8 954 053 009	silver grey				



Lamps

HIT

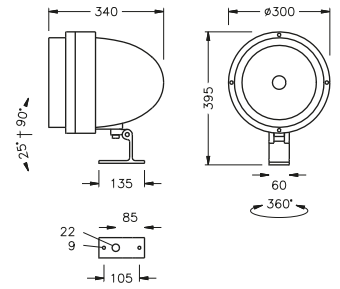


HIT-CE



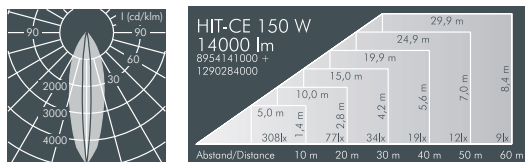
Nightspot C with mounting base

For metal halide lamps (HIT) and ceramic metal halide lamps (HIT-CE) protection class I, IP65 \blacklozenge \blacktriangle \blacktriangle , IK08 windage area AW 0.08 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 adjustable aluminium mounting base: 2 drilled holes \varnothing 9 mm, spacing 105 mm, 1 centre hole \varnothing 22 mm, tilt range 115°, swivel range 360°, M20 cable gland, integral LPF ballast and ignitor, HPF available on request (see page 184), supplied without lamp



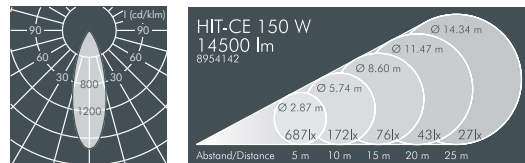
Nightspot C 150 W with mounting base, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 954 141 009	black	HIT 150 W	G12	9.6 kg	5°
8 954 161 009	white	HIT-CE 150 W			
8 954 151 009	silver grey				



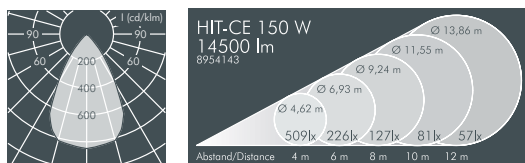
Accessories for Nightspot C 150 W, narrow beam

Part number	Description	Beam angle γ (FWHM)
129 0 284 000	Ribbed glass , internally fitted, for linear beam distribution, continuously adjustable through 360°	C 0 – 180 8° C 90 – 270 30°



Nightspot C 150 W with mounting base, medium wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 954 142 009	black	HIT 150 W	G12	9.6 kg	32°
8 954 162 009	white	HIT-CE 150 W			
8 954 152 009	silver grey				



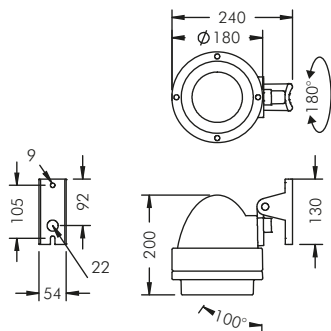
Nightspot C 150 W with mounting base, wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 954 143 009	black	HIT 150 W	G12	9.6 kg	60°
8 954 163 009	white	HIT-CE 150 W			
8 954 153 009	silver grey				



Lamps





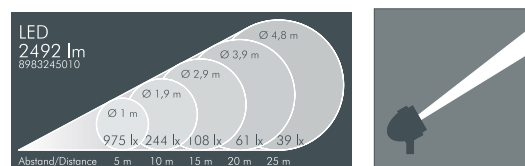
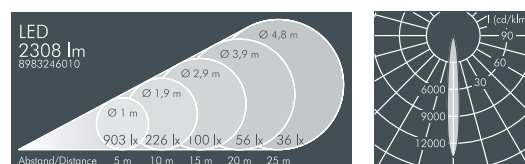
Nightspot A2 pole luminaire

With 1 x 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 0.035 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	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 246 019	black	1 x LED module 28 W	2308 lm	11°
8 983 266 019	white	warm white (3000 K)		
8 983 256 019	silver grey			

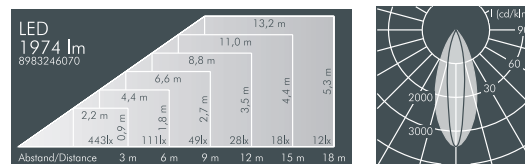
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 245 019	black	1 x LED module 28 W	2492 lm	11°
8 983 265 019	white	neutral white (4000 K)		
8 983 255 019	silver grey			



Nightspot A2 pole luminaire, narrow beam (with secondary reflector)

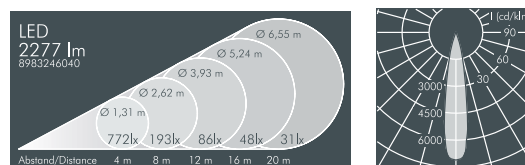
Part number*	Description	Beam angle γ (FWHM)	
		C 0 - 180	C 90 - 270
. 7.	Luminaire with ribbed glass spreader lens, internally fitted, for linear beam distribution, continuously adjustable through 360°	17°	40°

*These luminaires are also available with neutral white LED (4000 K) upon request.

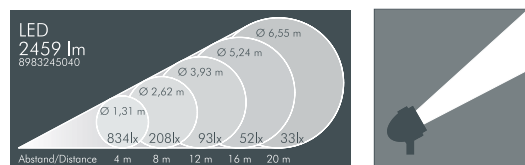


Nightspot A2 pole luminaire, medium wide beam (with secondary reflector)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 246 049	black	1 x LED module 28 W	2277 lm	19°
8 983 266 049	white	warm white (3000 K)		
8 983 256 049	silver grey			



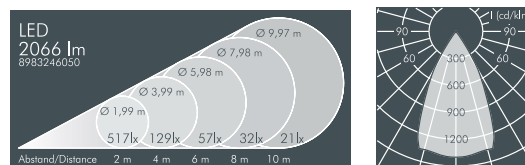
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 245 049	black	1 x LED module 28 W	2459 lm	19°
8 983 265 049	white	neutral white (4000 K)		
8 983 255 049	silver grey			



Nightspot A2 pole luminaire, wide beam (secondary reflector available as accessory)

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 983 246 059	black	1 x LED module 28 W	2066 lm	53°
8 983 266 059	white	warm white (3000 K)		
8 983 256 059	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)

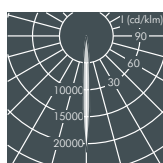
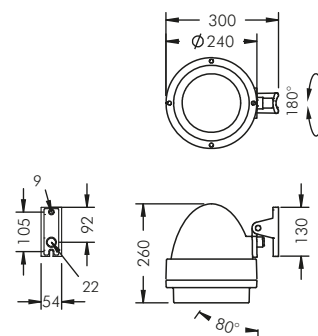
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



Nightspot B pole luminaire

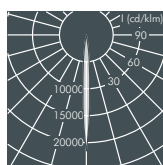
For metal halide lamps (HIT) and ceramic metal halide lamps (HIT-CE) protection class I, IP65 \blacklozenge \blacktriangle \blacktriangle , IK08 windage area AW 0.05 m² corrosion-resistant cast aluminium housing AlSi12, polyester powder coated, rotationally symmetrical aluminium reflector, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 4 stainless steel screws, for pole diameter \varnothing 60–100 mm, rotatable, polyester 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 LPF ballast and ignitor, HPP available (see page 184), supplied without lamp



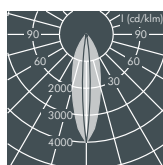
HIT-CE 35 W 3300 lm 8951241	\varnothing 6,12 m \varnothing 4,89 m \varnothing 3,67 m \varnothing 2,45 m \varnothing 1,22 m	467lx 117lx 52lx 29lx 19lx
Abstand/Distance	10 m 20 m 30 m 40 m 50 m	



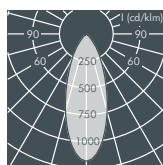
HIT-CE 70 W 6600 lm 8952241	\varnothing 6,12 m \varnothing 4,89 m \varnothing 3,67 m \varnothing 2,45 m \varnothing 1,22 m	933lx 233lx 104lx 58lx 37lx
Abstand/Distance	10 m 20 m 30 m 40 m 50 m	



HIT-CE 100 W 9300 lm 8952244	\varnothing 6,12 m \varnothing 4,89 m \varnothing 3,67 m \varnothing 2,45 m \varnothing 1,22 m	1315lx 329lx 146lx 82lx 53lx
Abstand/Distance	10 m 20 m 30 m 40 m 50 m	



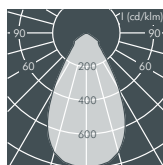
HIT-CE 70 W 6600 lm 8952241000 + 1290274000	15,0 m 12,5 m 10,0 m 7,5 m 5,0 m 2,5 m	461lx 115lx 51lx 29lx 18lx 13lx
Abstand/Distance	5 m 10 m 15 m 20 m 25 m 30 m	



HIT-CE 35 W 3300 lm 8951242	\varnothing 6,81 m \varnothing 5,45 m \varnothing 4,09 m \varnothing 2,72 m \varnothing 1,36 m	639lx 160lx 71lx 40lx 26lx
Abstand/Distance	2 m 4 m 6 m 8 m 10 m	



HIT-CE 70 W 6600 lm 8952242	\varnothing 10,21 m \varnothing 8,17 m \varnothing 6,13 m \varnothing 4,09 m \varnothing 2,04 m	568lx 142lx 63lx 35lx 23lx
Abstand/Distance	3 m 6 m 9 m 12 m 15 m	



HIT-CE 70 W 6600 lm 8952243	\varnothing 13,75 m \varnothing 11,45 m \varnothing 9,16 m \varnothing 6,87 m \varnothing 4,58 m	207lx 92lx 52lx 33lx 23lx
Abstand/Distance	4 m 6 m 8 m 10 m 12 m	

Nightspot B 35 W pole luminaire, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 951 241 009	black	HIT-CE 35 W	G12	5.6 kg	7°
8 951 261 009	white				
8 951 251 009	silver grey				

Nightspot B 70 W pole luminaire, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 241 009	black	HIT 70 W	G12	6.0 kg	7°
8 952 261 009	white	HIT-CE 70 W			
8 952 251 009	silver grey				

Nightspot B 100 W pole luminaire, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 244 009	black	HIT-CE 100 W	G12	6.2 kg	7°
8 952 264 009	white				
8 952 254 009	silver grey				

Accessories for Nightspot B 35/70/100 W pole luminaire, narrow beam

Part number	Description	Beam angle γ (FWHM)
129 0 274 000	Ribbed glass spreader lens , internally fitted, for linear beam distribution, continuously adjustable through 360°	C 0 – 180 C 90 – 270
		8° 30°

Nightspot B 35 W pole luminaire, medium wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 951 242 009	black	HIT-CE 35 W	G12	5.6 kg	38°
8 951 262 009	white				
8 951 252 009	silver grey				

Nightspot B 70 W pole luminaire, medium wide beam

Part number*	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 242 009	black	HIT 70 W	G12	6.0 kg	38°
8 952 262 009	white	HIT-CE 70 W			
8 952 252 009	silver grey				

*Luminaires for lamps HIT-CE 100 W available upon request.

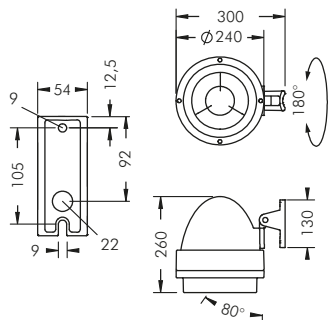
Nightspot B 70 W pole luminaire, wide beam

Part number*	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 952 243 009	black	HIT 70 W	G12	6.0 kg	60°
8 952 263 009	white	HIT-CE 70 W			
8 952 253 009	silver grey				

*Luminaires for lamps HIT-CE 35 W or 100 W available upon request.

Lamps



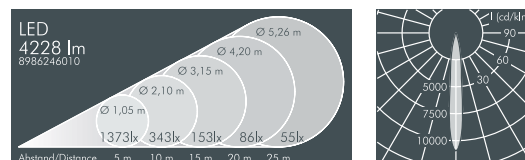


Nightspot B pole luminaire

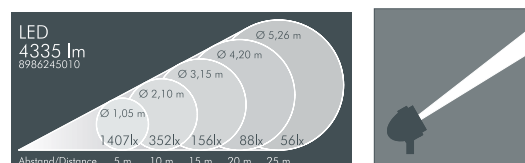
With 1 x high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I or II, IP67 IK08
 windage area AW 0.05 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 rotationally 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, for pole diameter Ø 60-100 mm,
 rotatable, powder coated aluminium mounting base: 2 drilled holes Ø 9 mm, spacing 105 mm,
 1 centre hole Ø 22 mm, tilt range 80°, swivel range 180°, M20 cable gland,
 integral driver (AC/DC)

Nightspot B pole luminaire, narrow beam (with secondary reflector)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 246 019	black	1 x LED module 54 W	4228 lm	12°
8 986 266 019	white	warm white (3000 K)		
8 986 256 019	silver grey			

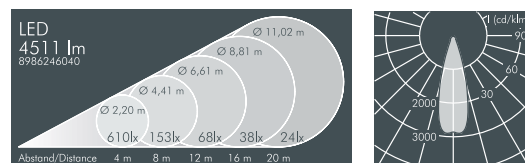


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 245 019	black	1 x LED module 54 W	4335 lm	12°
8 986 265 019	white	neutral white (4000 K)		
8 986 255 019	silver grey			

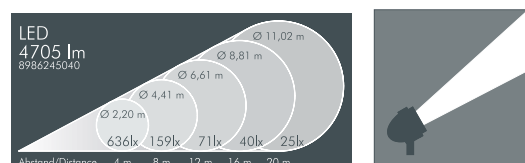


Nightspot B pole luminaire, medium wide beam (with secondary reflector)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 246 049	black	1 x LED module 54 W	4511 lm	31°
8 986 266 049	white	warm white (3000 K)		
8 986 256 049	silver grey			

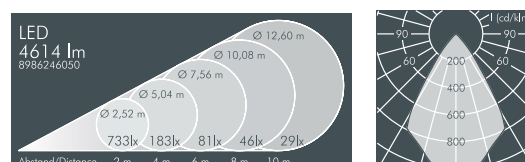


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 245 049	black	1 x LED module 54 W	4705 lm	31°
8 986 265 049	white	neutral white (4000 K)		
8 986 255 049	silver grey			

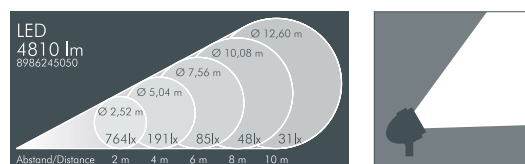


Nightspot B pole luminaire, wide beam (secondary reflector available as accessory)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 246 059	black	1 x LED module 54 W	4614 lm	64°
8 986 266 059	white	warm white (3000 K)		
8 986 256 059	silver grey			



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 245 059	black	1 x LED module 54 W	4810 lm	64°
8 986 265 059	white	neutral white (4000 K)		
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)

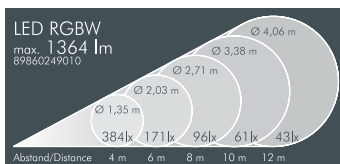
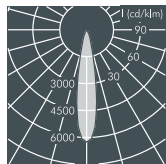
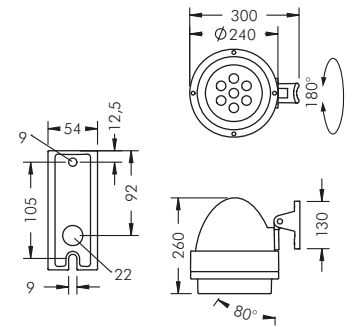
LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request



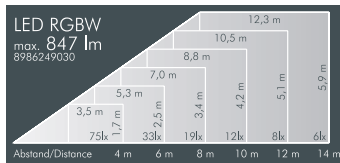
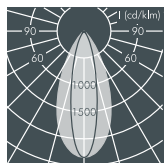
Nightspot B RGBW pole luminaire

With 7 x RGBW high performance LEDs, 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, for pole diameter Ø 60–100 mm, rotatable, powder coated aluminium mounting base: 2 drilled holes Ø 9 mm, spacing 105 mm, 1 centre hole Ø 22 mm, tilt range 80°, swivel range 180°, M20 cable gland, connection by hybrid cable 230 V/DMX, RDM compatible integral driver (AC/DC)



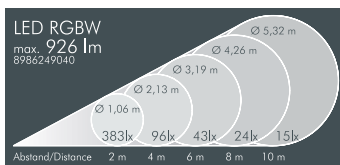
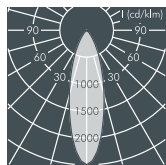
Nightspot B RGBW pole luminaire, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 249 019	black	7 x LED module RGBW 1.5 W	max.	19°
8 986 269 019	white	W = 4000 K	1364 lm	
8 986 259 019	silver grey	(max. 42 W)		



Nightspot B RGBW pole luminaire, elliptical beam spread

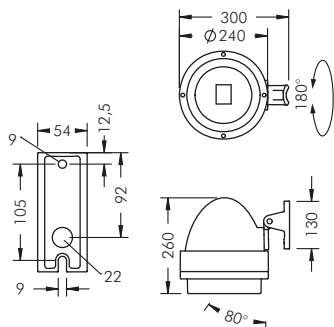
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 986 249 039	black	7 x LED module RGBW 1.5 W	max.	C 0 – 180
8 986 269 039	white	W = 4000 K	847 lm	C 90 – 270
8 986 259 039	silver grey	(max. 42 W)		24°



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.	30°
8 986 269 049	white	W = 4000 K	926 lm	
8 986 259 049	silver grey	(max. 42 W)		





Nightspot B pole luminaire Street Optic

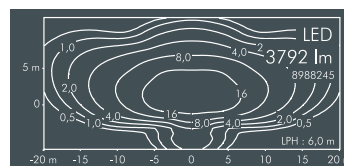
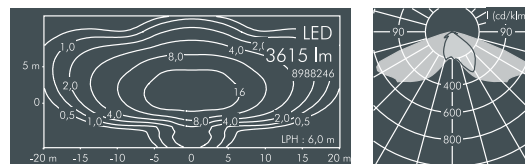
With 1 x high performance LED module, integral temperature monitoring device, CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I or II, IP67 \diamond \blacktriangle \blacktriangleleft \blacktriangleright , IK08
 windage area AW 0.05 m²
 corrosion-resistant die cast 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 988 246 009	black	1 x LED module 41 W	3615 lm	C 0 – 180	C 90 – 270
8 988 266 009	white	warm white (3000 K)		63°	28°
8 988 256 009	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 988 245 009	black	1 x LED module 41 W	3792 lm	C 0 – 180	C 90 – 270
8 988 265 009	white	neutral white (4000 K)		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
E_{min}	4.4 lx	1.5 lx	1.0 lx	0.7 lx
E_{min}/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 185)

Luminaires available in 2700 K or other colour temperatures on request

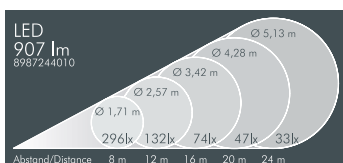
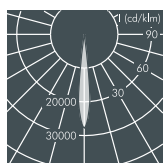
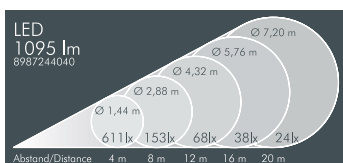
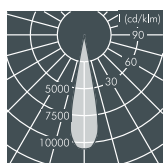
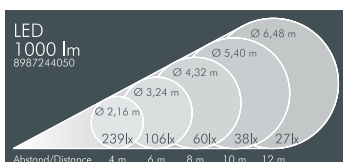
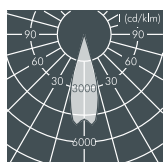
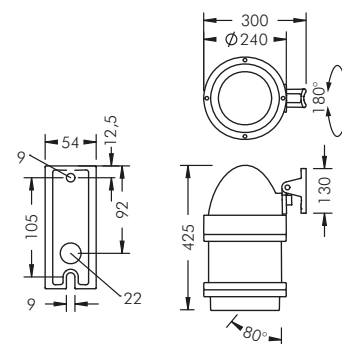


Nightspot B/RGBW Gobo pole luminaire

Monochrome: With 1 x 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 1 x RGBW high performance LED module, 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 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, 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	Light source	Luminous flux	Beam angle
8 987 244 059	black	1 x LED module 47 W	1000 lm	30°
8 987 264 059	white	cool white (6500 K)		
8 987 254 059	silver grey			

Nightspot B Gobo pole luminaire, 85 mm focal length

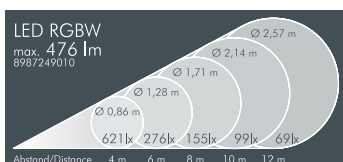
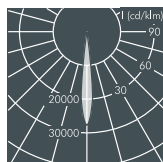
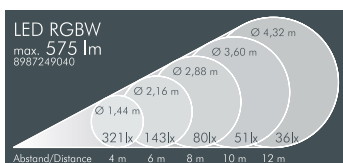
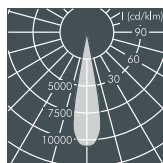
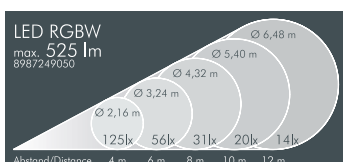
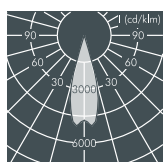
Part number*	Colour	Light source	Luminous flux	Beam angle
8 987 244 049	black	1 x LED module 47 W	1095 lm	20°
8 987 264 049	white	cool white (6500 K)		
8 987 254 049	silver grey			

Nightspot B Gobo pole luminaire, 150 mm focal length

Part number*	Colour	Light source	Luminous flux	Beam angle
8 987 244 019	black	1 x LED module 47 W	907 lm	12°
8 987 264 019	white	cool white (6500 K)		
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)

*Luminaires available in 2700 K or 3000 K on request



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	max.	30°
8 987 269 059	white	W = 6000 K	525 lm	
8 987 259 059	silver grey	(max. 38 W)		

Nightspot B RGBW Gobo pole luminaire, 85 mm focal length

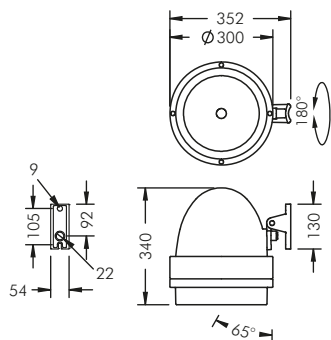
Part number	Colour	Light source	Luminous flux	Beam angle
8 987 249 049	black	1 x LED module RGBW	max.	20°
8 987 269 049	white	W = 6000 K	575 lm	
8 987 259 049	silver grey	(max. 38 W)		

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	max.	12°
8 987 269 019	white	W = 6000 K	476 lm	
8 987 259 019	silver grey	(max. 38 W)		

LED (see page 185)



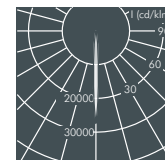
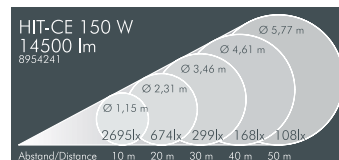


Nightspot C pole luminaire

For metal halide lamps (HIT) and ceramic metal halide lamps (HIT-CE) protection class I, IP65 \diamond \triangle \triangle , IK08 windage area AW 0.08 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, for pole diameter \varnothing 60–100 mm, rotatable, polyester powder coated aluminium mounting base: 2 drilled holes \varnothing 9 mm, spacing 105 mm, 1 centre hole \varnothing 22 mm, tilt range 65°, swivel range 180°, M20 cable gland, integral LPF ballast and ignitor, HPF available (see page 184), supplied without lamp

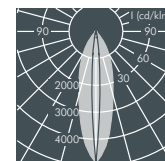
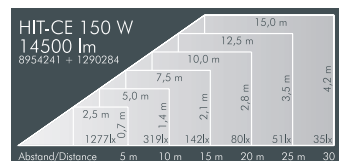
Nightspot C, pole luminaire, narrow beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 954 241 009	black	HIT 150 W	G12	9.6 kg	5°
8 954 261 009	white	HIT-CE 150 W			
8 954 251 009	silver grey				



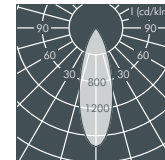
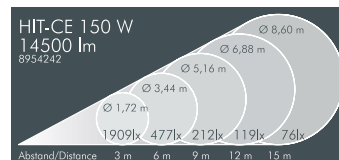
Accessories for Nightspot C, pole luminaire, narrow beam

Part number	Description	Beam angle γ (FWHM)
129 0 284 000	Ribbed glass , internally fitted, for linear beam distribution, continuously adjustable through 360°	C 0 – 180 8° C 90 – 270 30°



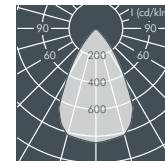
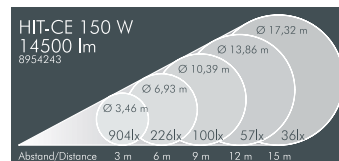
Nightspot C, pole luminaire, medium wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 954 242 009	black	HIT 150 W	G12	9.6 kg	32°
8 954 262 009	white	HIT-CE 150 W			
8 954 252 009	silver grey				



Nightspot C, pole luminaire, wide beam

Part number	Colour	Lamp	Lampholder	Weight	Beam angle γ (FWHM)
8 954 243 009	black	HIT 150 W	G12	9.6 kg	60°
8 954 263 009	white	HIT-CE 150 W			
8 954 253 009	silver grey				



Lamps

HIT



HIT-CE





Accessories Nightspot A2, B, C

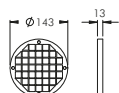
A2		
Part number	Colour	Description
129 0 578 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting. Only one accessory per luminaire, not in combination.
129 0 578 960	white	
129 0 578 950	silver grey	



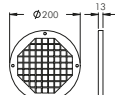
B		
Part number	Colour	Description
129 0 320 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting. Only one accessory per luminaire, not in combination.
129 0 320 960	white	
129 0 320 950	silver grey	



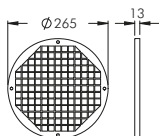
C		
Part number	Colour	Description
129 0 321 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting. Only one accessory per luminaire, not in combination.
129 0 321 960	white	
129 0 321 950	silver grey	



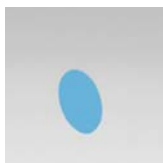
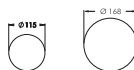
A2		
Part number	Colour	Description
129 0 591 940	black	Protection grill , stainless steel, to protect the glass lens from breakage and vandalism, for retro-fitting.
129 0 591 960	white	
129 0 591 950	silver grey	



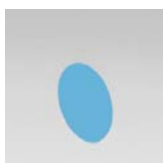
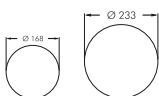
B		
Part number	Colour	Description
129 0 340 940	black	Protection grill , stainless steel, to protect the glass lens from breakage and vandalism, for retro-fitting.
129 0 340 960	white	
129 0 340 950	silver grey	



C		
Part number	Colour	Description
129 0 437 940	black	Protection grill , stainless steel, to protect the glass lens from breakage and vandalism, for retro-fitting.
129 0 437 960	white	
129 0 437 950	silver grey	

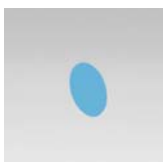


A2	B (HIT)	Colour	Description
129 0 581 000	129 0 691 000	yellow	Dichroic colour filter , internally fitted
129 0 587 000	129 0 697 000	red	
129 0 583 000	129 0 693 000	blue	
129 0 588 000	129 0 698 000	green	



B (LED)*	C	Colour	Description
129 0 681 000	129 0 701 000	yellow	Dichroic colour filter , internally fitted
129 0 687 000	129 0 707 000	red	
129 0 683 000	129 0 703 000	blue	
129 0 688 000	129 0 708 000	green	

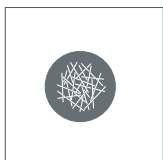
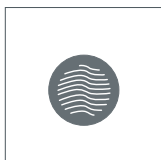
*not suitable for luminaires **8 988 ...**



B Gobo Projector		
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/RGBW Gobo Projector	
Part number	Description
129 0 257 000	Framer for sharp edges on 3 or 4-sided images

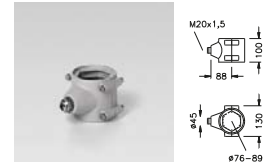


Part number	Part number	Part number	Description
129 0 489 000	129 0 490 000	129 0 491 000	Standard gobos
Example waves	Example stars	Example hash	Ø 50 mm

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)

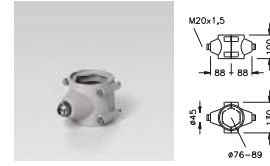
A2, B, C

Part number	Colour	Description
119 0 033 940	black	Single pole mount clamp, aluminium, for poles \varnothing 76 – 89 mm
119 0 033 960	white	
119 0 033 950	silver grey	



A2, B, C

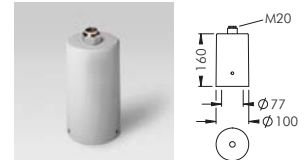
Part number	Colour	Description
119 0 034 940	black	Double pole mount clamp, aluminium, for poles \varnothing 76 – 89 mm
119 0 034 960	white	
119 0 034 950	silver grey	



A2, B, C

B Gobo Projector

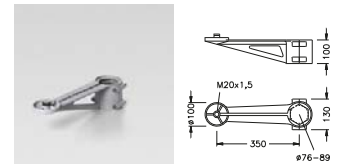
Part number	Colour	Description
128 0 626 940	black	Pole Top Fitter, aluminium, for 76 mm pole top, with M20 x 1.5 connection thread, for installation of one luminaire
128 0 626 960	white	
128 0 626 950	silver grey	



A2, B, C

B Gobo Projector

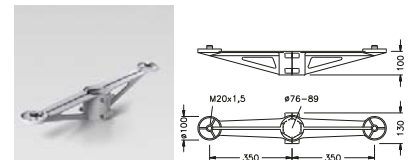
Part number	Colour	Description
119 0 031 940	black	Single pole mount arm, aluminium, for poles \varnothing 76 – 89 mm
119 0 031 960	white	
119 0 031 950	silver grey	

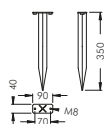


A2, B, C

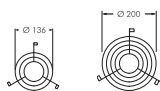
B Gobo Projector

Part number	Colour	Description
119 0 032 940	black	Double pole mount arm, aluminium, for poles \varnothing 76 – 89 mm
119 0 032 960	white	
119 0 032 950	silver grey	

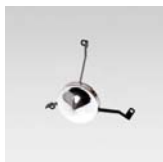




A2, B, C		
Part number	Colour	Description
129 0 390 940	black	Stainless steel earth spike, for use in landscape lighting
129 0 390 960	white	
129 0 390 950	silver grey	



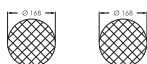
B (HIT), C		
B (HIT)	C	
Part number	Part number	Description
129 0 270 000	129 0 280 000	Rotational louvre, internally fitted, to reduce lateral glare, for mounting on front of floodlight



A2, B (LED), wide beam		
A2	B (LED)	
Part number	Part number	Description
129 0 653 000	129 0 660 000	Secondary reflector, internally fitted, to avoid direct glare



B (HIT), C		
B (HIT)	C	
Part number	Part number	Description
129 0 297 000	129 0 298 000	Glare shield, internally fitted, to reduce light overspill



B, narrow beam, medium wide beam				
B (HIT)	B (LED)*		Half beam angle γ	
Part number	Part number	Description	narrow beam	medium wide beam
129 0 272 000		Prismatic glass, for diffused light distribution	19°	54°
	129 0 647 000		24°	47°

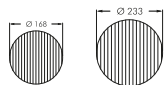
*not suitable for luminaires 8 988 ...



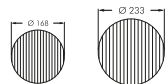
C, narrow beam and medium wide beam				
C			Half beam angle γ	
Part number	Description	narrow beam	medium wide beam	
129 0 282 000	Prismatic glass, for diffused light distribution	19°	39°	



A2, narrow beam				
			Half beam angle γ	
Part number	Description	C 0-180	C 90-270	
129 0 580 000	Ribbed glass, internally fitted, for linear beam control, continuously adjustable 360°	17°	40°	



B, C, narrow beam					
B (HIT)	B (LED)*	C		Half beam angle γ	
Part number	Part number	Part number	Description	narrow beam	
129 0 274 000			Ribbed glass, internally fitted, for linear beam control, continuously adjustable 360°	C 0-180	C 90-270
	129 0 627 000			8°	30°
		129 0 284 000		15°	34°
				8°	30°



B, C, medium wide beam					
B (HIT)	B (LED)*	C		Half beam angle γ	
Part number	Part number	Part number	Description	medium wide beam	
129 0 274 000			Ribbed glass, internally fitted, for linear beam control, continuously adjustable 360°	C 0-180	C 90-270
	129 0 627 000			52°	77°
		129 0 284 000		32°	55°
				32°	64°

*not suitable for luminaires 8 988 ...



Ecoscape is a range of exterior LED luminaires for the illumination of open spaces, streets and paths. They are available in two sizes for various different optical systems. 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

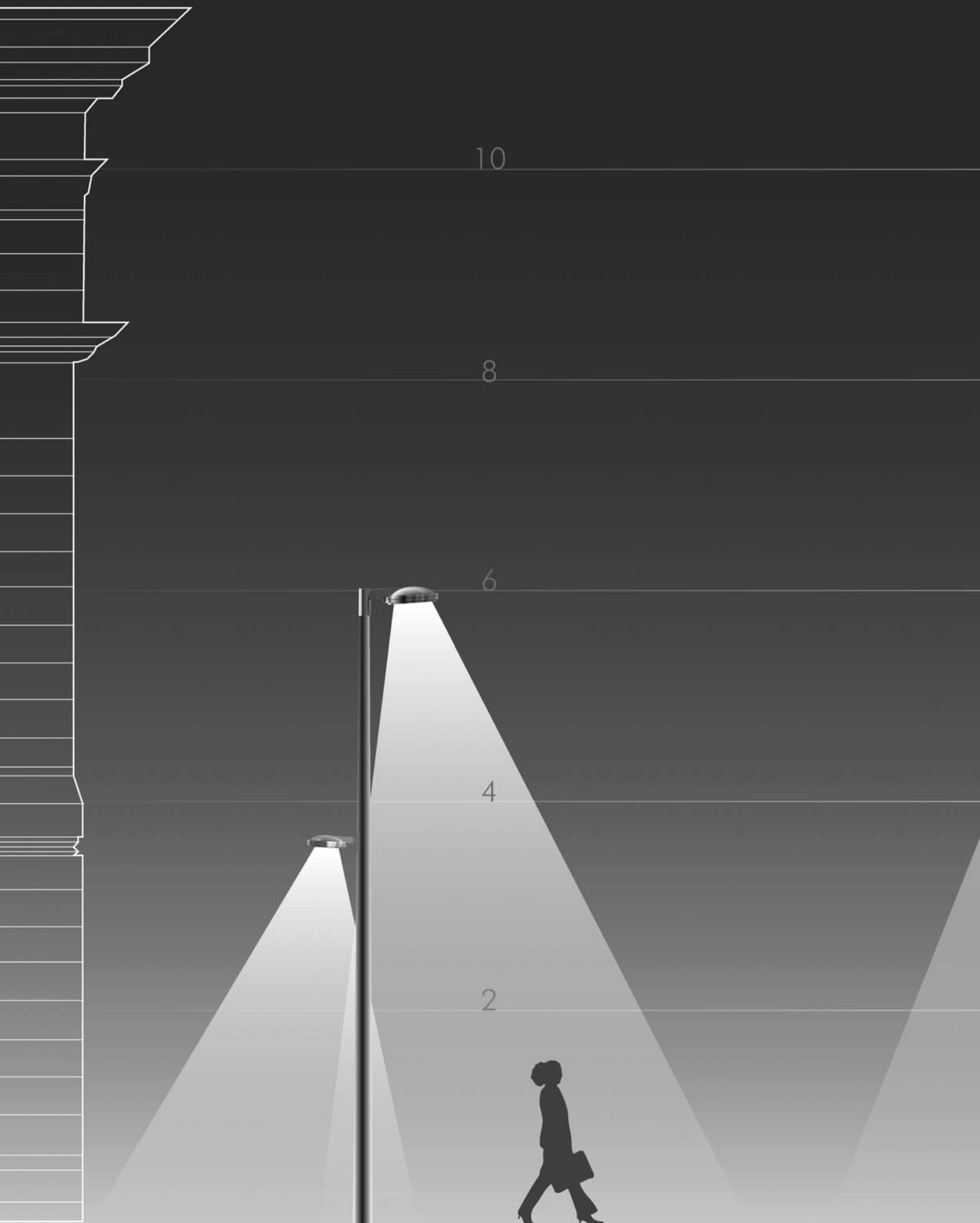


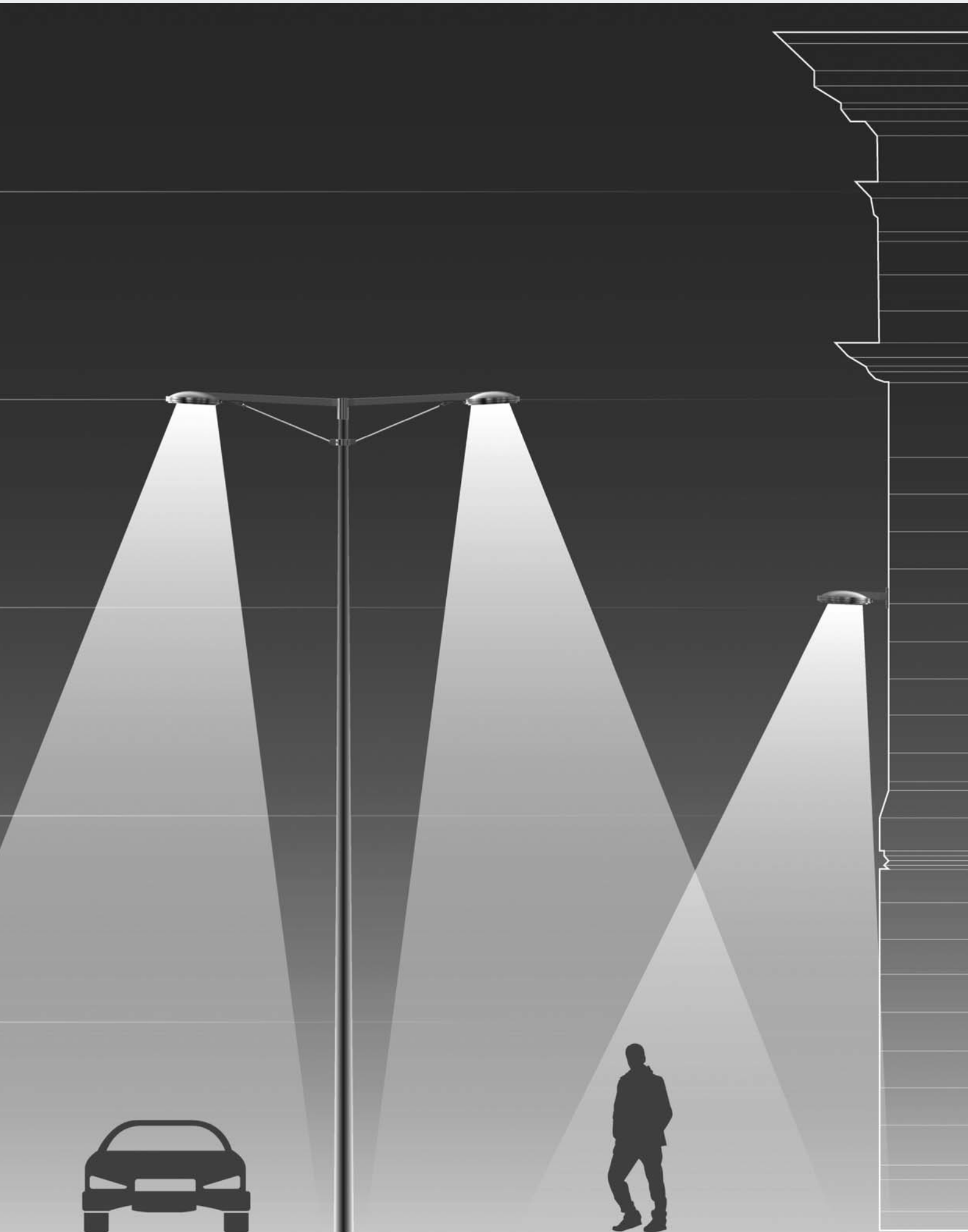
The version with Street Optics is equipped with LED modules which have become the norm in public lighting. The Comfort Optic uses micro prisms to direct light in defined directions. Light diffraction and shielded LEDs make perfect glare control possible.

The range of accessories allows for different mounting possibilities and luminaire configurations.



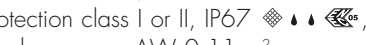
Lilleeng Helsepark, Norway
Lighting design: Frizen Belysning

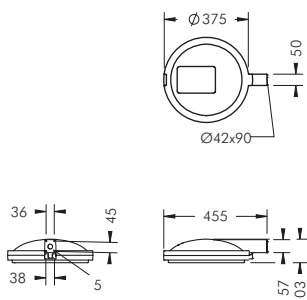






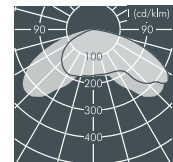
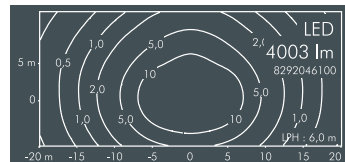
Ecoscape 1

With LED Prism module or 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 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)

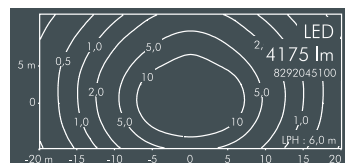


Ecoscape 1, Comfort Optic

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 292 046 109	black	1 x LED Prism module 55 W warm white (3000 K)	4003 lm	71°	139°
8 292 066 109	white				
8 292 056 109	silver grey				

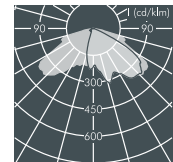
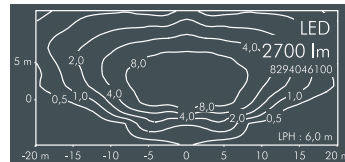


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 292 045 109	black	1 x LED Prism module 55 W neutral white (4000 K)	4175 lm	71°	139°
8 292 065 109	white				
8 292 055 109	silver grey				

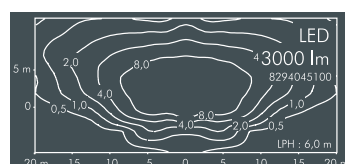


Ecoscape 1, Street Optic (according to DIN EN 13201)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 294 046 109	black	1 x LED module (Osram) 32 W warm white (3000 K)	2700 lm	61°	135°
8 294 066 109	white				
8 294 056 109	silver grey				



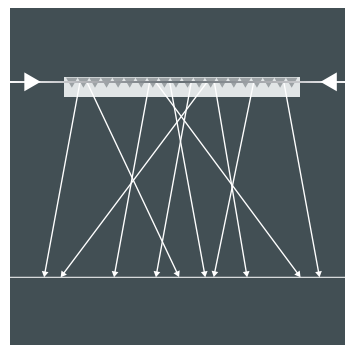
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 294 045 109	black	1 x LED module (Osram) 32 W neutral white (4000 K)	3000 lm	61°	135°
8 294 065 109	white				
8 294 055 109	silver grey				



Part number	Description
. 1.	Luminaire safety class II

Accessories required for installation of luminaires – see pages 120-123.

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.




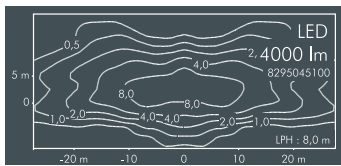
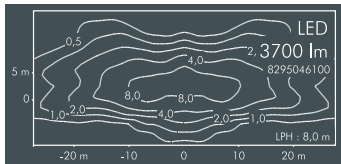
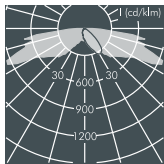
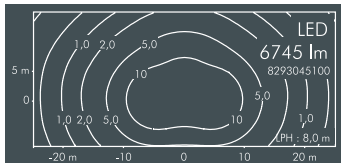
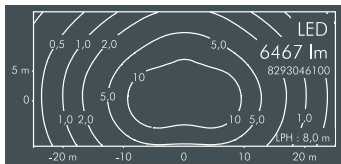
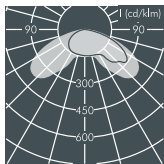
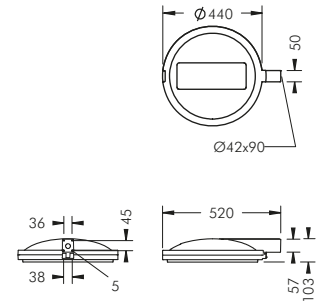
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



Ecoscape 2

With LED Prism module or 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 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 293 046 109	black	1 x LED Prism module 90 W warm white (3000 K)	6467 lm	C 0 – 180	C 90 – 270
8 293 066 109	white			71°	139°
8 293 056 109	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 293 045 109	black	1 x LED Prism module 90 W neutral white (4000 K)	6745 lm	C 0 – 180	C 90 – 270
8 293 065 109	white			71°	139°
8 293 055 109	silver grey				

Ecoscape 2, Street Optic (according to DIN EN 13201)

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 295 046 109	black	1 x LED module (Osram) 47 W warm white (3000 K)	3700 lm	C 0 – 180	C 90 – 270
8 295 066 109	white			48°	167°
8 295 056 109	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 295 045 109	black	1 x LED module (Osram) 47 W neutral white (4000 K)	4000 lm	C 0 – 180	C 90 – 270
8 295 065 109	white			48°	167°
8 295 055 109	silver grey				

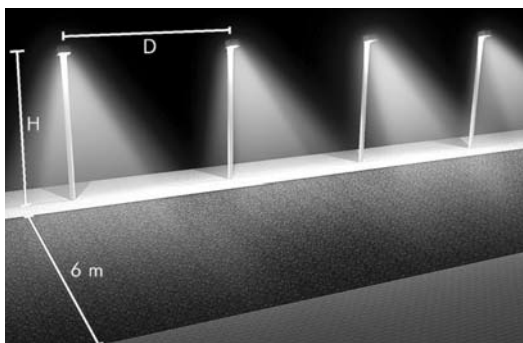
Part number	Description
• • • • • 1.	Luminaire safety class II

Accessories required for installation of luminaires - see pages 120-123.

Illumination examples (P3 according to DIN EN 13201-2)

	Ecoscape 1		Ecoscape 2	
	Comfort Optic	Street Optic	Comfort Optic	Street Optic
H	6 m	6 m	8 m	8 m
D	25 m	30 m	34 m	35 m
D/H	4,2	5	4.25	4.4
Em	7.6 lx	7.5 lx	7.7 lx	7.5 lx
Emin/Em	0.34	0.32	0.37	0.64
TI*	7%	12%	7%	27%

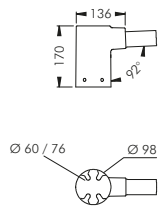
* TI: Threshold Increment (unit for measuring glare).
A low TI value indicates a low glare factor.



LED (see page 185)

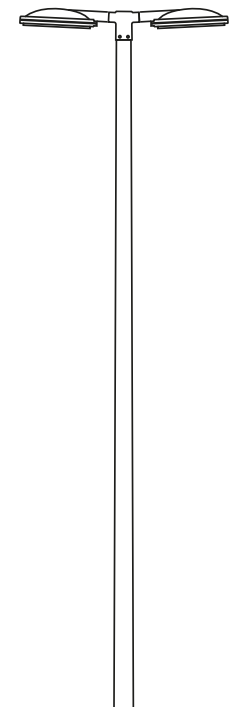
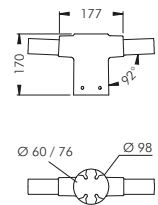
Luminaires available in 2700 K and other colour temperatures on request





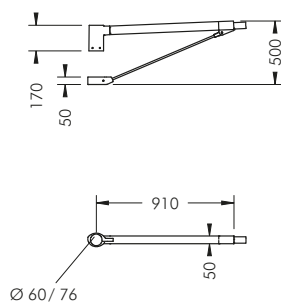
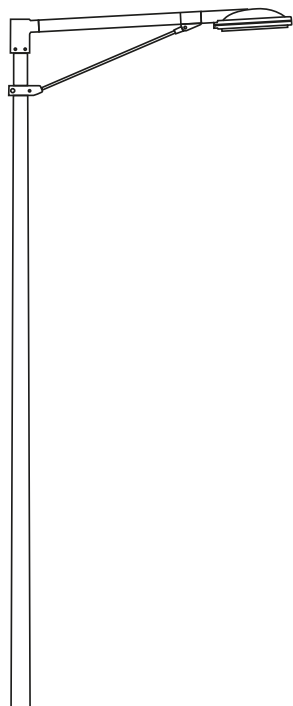
Pole top fitter for one luminaire

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	



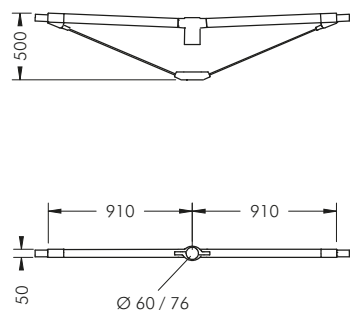
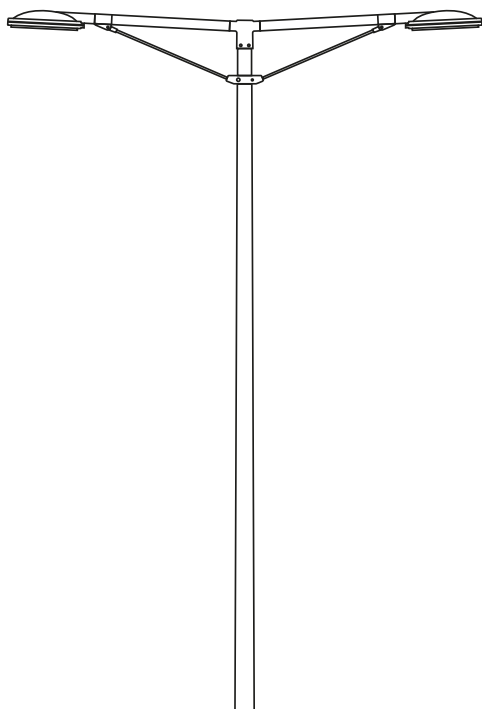
Pole top fitter for two luminaires

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	



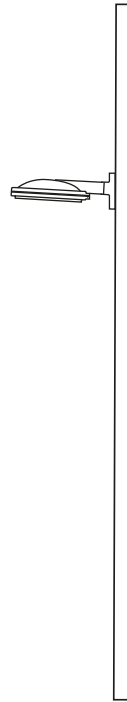
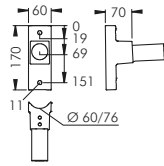
Pole outrigger for one luminaire

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	



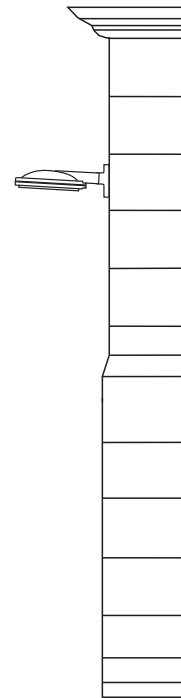
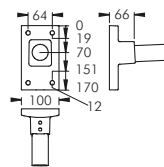
Pole outrigger for two luminaires

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	



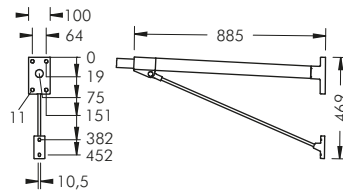
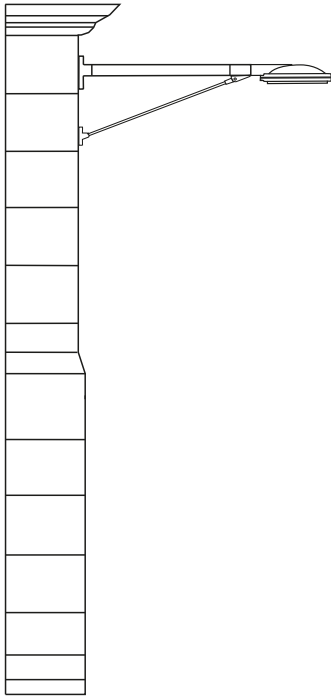
Pole adapter

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

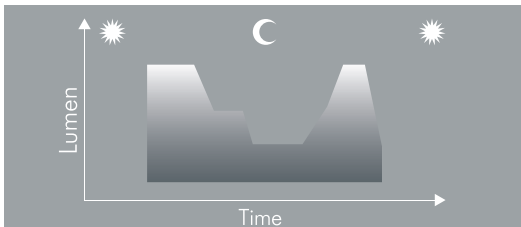
Part number	Colour	Description
122 0 284 940	black	Wall adapter , aluminium, polyester powder coated
122 0 284 960	white	
122 0 284 950	silver grey	



Wall outrigger

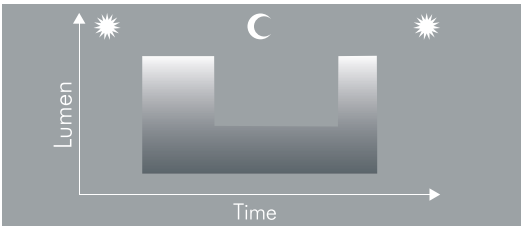
Part number	Colour	Description
122 0 285 940	black	Wall outrigger , 885 mm, aluminium, polyester powder coated
122 0 285 960	white	
122 0 285 950	silver grey	

Light control options



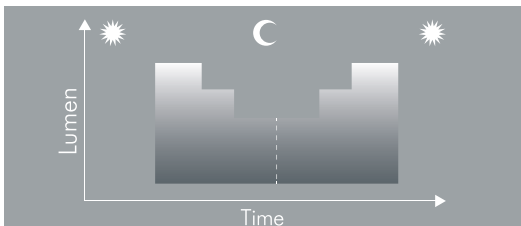
DALI

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.



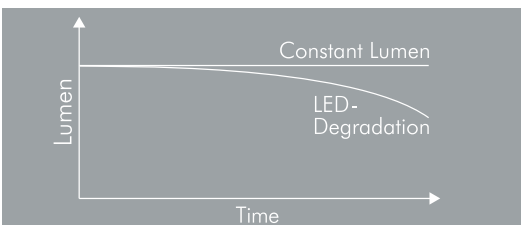
StepDIM

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.



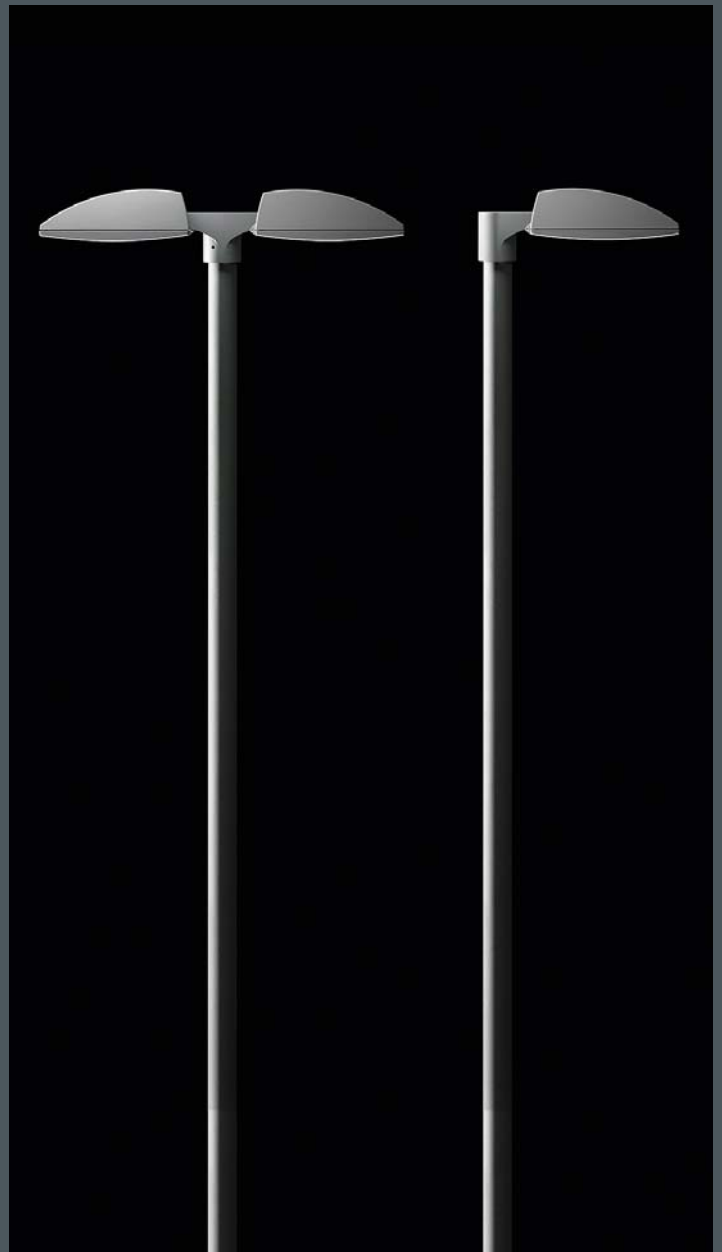
Fluxa area floodlights create uniform illumination for the urban environment, on public squares, pathways and streets. Depending on the type of application there are suitable luminaires available with asymmetrical or wide beam light distributions.

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.

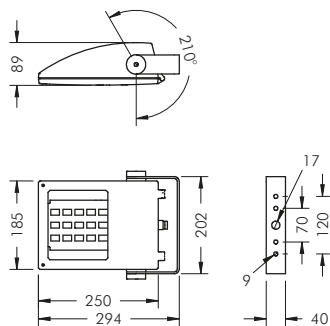
The luminaires are available in 3 sizes with varying wattages for different mounting heights.



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

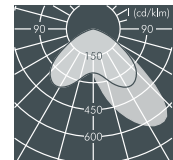
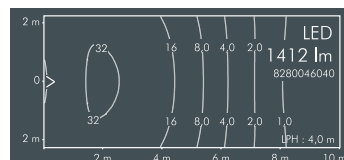


Fluxa Mini

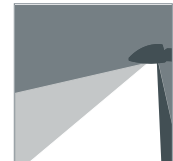
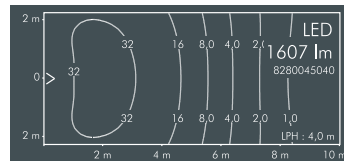
With high performance LEDs, integral temperature monitoring device, CRI: > 70, Colour tolerance: max. 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP65 ⚡⚡⚡, IK09 windage area AW 0.05 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure 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	Light source	Luminous flux	Main beam angle γ
8 280 046 049	black	15 x LED 2.5 W	1412 lm	43°
8 280 066 049	white	warm white (3000 K)		
8 280 056 049	silver grey			

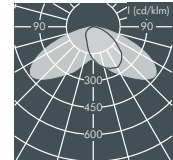
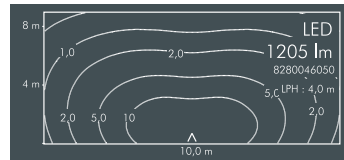


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 280 045 049	black	15 x LED 2.5 W	1607 lm	43°
8 280 065 049	white	neutral white (4300 K)		
8 280 055 049	silver grey			

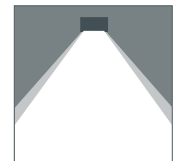
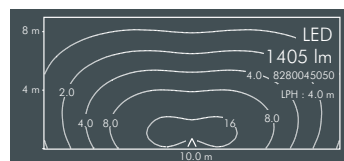


Fluxa Mini, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 280 046 059	black	15 x LED 2.5 W	1205 lm	59°	138°
8 280 066 059	white	warm white (3000 K)			
8 280 056 059	silver grey				



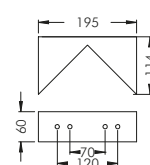
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 280 045 059	black	15 x LED 2.5 W	1405 lm	59°	138°
8 280 065 059	white	neutral white (4300 K)			
8 280 055 059	silver grey				



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

Accessories Fluxa Mini

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	



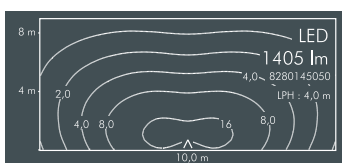
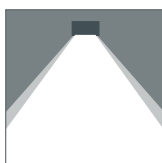
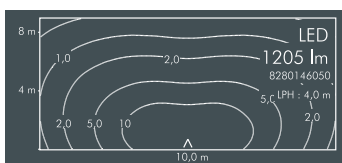
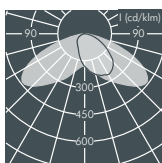
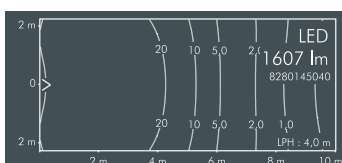
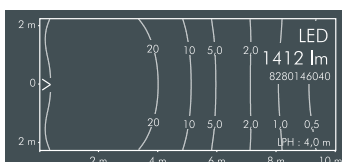
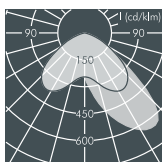
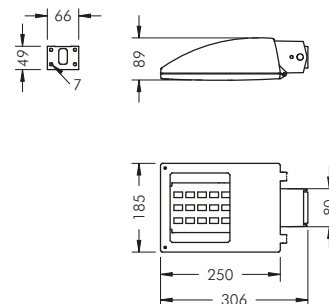
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



Fluxa Mini G

For high performance LEDs,
 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 0.05 m²
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 all exterior steel parts are stainless steel,
 tempered safety glass, silicon gasket,
 closure 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	Light source	Luminous flux	Main beam angle γ
8 280 146 049	black	15 x LED 2.5 W	1412 lm	43°
8 280 166 049	white	warm white (3000 K)		
8 280 156 049	silver grey			

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 280 145 049	black	15 x LED 2.5 W	1607 lm	43°
8 280 165 049	white	neutral white (4300 K)		
8 280 155 049	silver grey			

Fluxa Mini G, wide beam

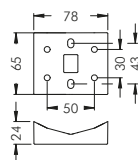
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 280 146 059	black	15 x LED 2.5 W	1205 lm	59°	138°
8 280 166 059	white	warm white (3000 K)			
8 280 156 059	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 280 145 059	black	15 x LED 2.5 W	1405 lm	59°	138°
8 280 165 059	white	neutral white (4300 K)			
8 280 155 059	silver grey				

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

Accessories Fluxa Mini G, Pole mount fitter

Part number	Colour	Description	Part number	Colour	Description
122 0 207 940	black	Ø 60 mm, for one luminaire	122 0 208 940	black	Ø 60 mm, for two luminaires
122 0 207 960	white		122 0 208 960	white	
122 0 207 950	silver grey		122 0 208 950	silver grey	
122 0 217 940	black	Ø 76 mm, for one luminaire	122 0 218 940	black	Ø 76 mm, for two luminaires
122 0 217 960	white		122 0 218 960	white	
122 0 217 950	silver grey		122 0 218 950	silver grey	

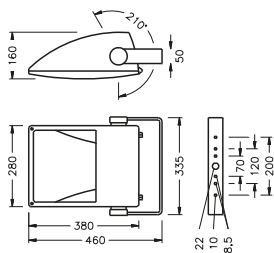


Part number	Colour	Description
122 0 209 940	black	Pole adapter for one luminaire, for pole diameter 80 – 110 mm
122 0 209 960	white	
122 0 209 950	silver grey	

LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



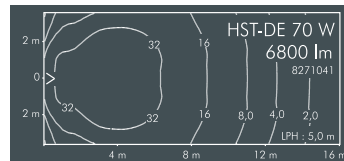
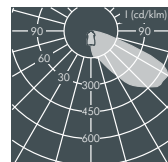
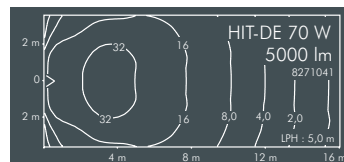


Fluxa A

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 184), supplied without lamp

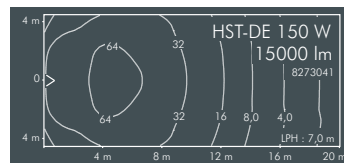
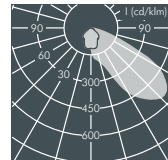
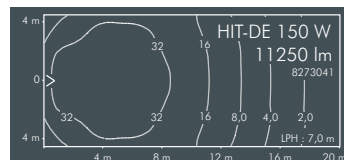
Fluxa A 70 W, asymmetrical beam

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			



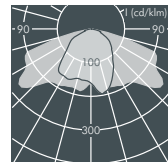
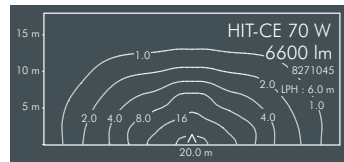
Fluxa A 150 W, asymmetrical beam

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			



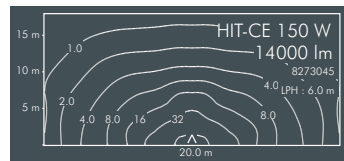
Fluxa A 70 W, wide beam

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

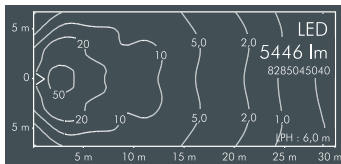
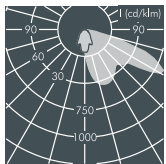
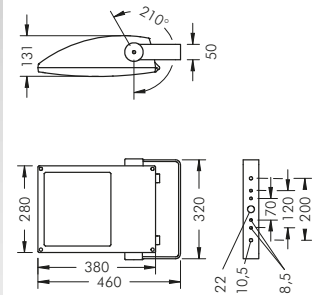


HIT-CE



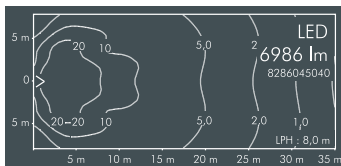
Fluxa A

With high performance LED module (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, 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

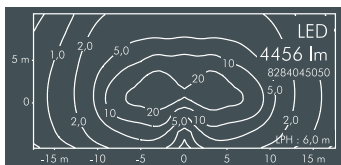
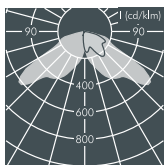


Fluxa A, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 285 045 049	black	1 x LED module 52 W	5446 lm	63°
8 285 065 049	white	neutral white (4000 K)		
8 285 055 049	silver grey			

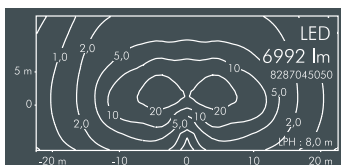


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 286 045 049	black	1 x LED module 69 W	6986 lm	63°
8 286 065 049	white	neutral white (4000 K)		
8 286 055 049	silver grey			



Fluxa A, wide beam

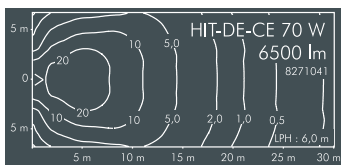
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 284 045 059	black	2 x LED module 21 W	4456 lm	72°	122°
8 284 065 059	white	neutral white (4000 K)			
8 284 055 059	silver grey				



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 287 045 059	black	2 x LED module 33 W	6992 lm	72°	122°
8 287 065 059	white	neutral white (4000 K)			
8 287 055 059	silver grey				

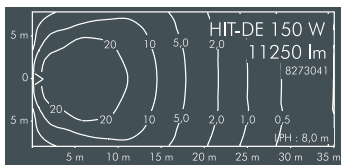
Part number	Description
. 6 . . .	Luminaire with warm white LED module (3000 K)
. 1 . .	Dimmable luminaire* DALI / StepDIM / AstroDIM
.6.	Luminaire asymmetrical beam, with prismatic glass, for reduced glare
.7.	Luminaire wide beam, with prismatic glass, for reduced glare

* Light control options see page 123



Lux level comparison HIT-DE 70 W / LED 52 W, asymmetrical beam

HIT-DE 70 W: 7 lux average level
 LED 52 W: 10 lux average level



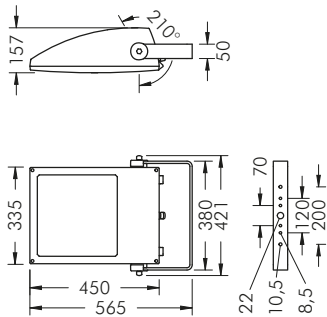
Lux level comparison HIT-DE 150 W / LED 69 W, asymmetrical beam

HIT-DE 150 W: 8 lux average level
 LED 69 W: 7.5 lux average level


LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



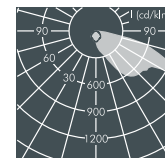
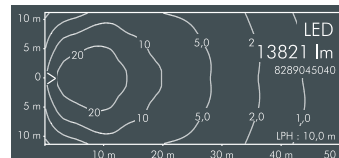


Fluxa B

With high performance LED module (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, 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)

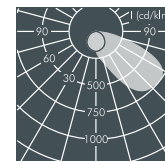
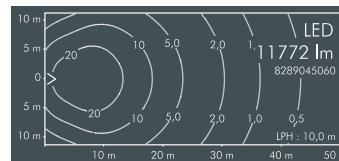
Fluxa B, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 289 045 049	black	2 x LED module 79 W	13821 lm	65°
8 289 065 049	white	neutral white (4000 K)		
8 289 055 049	silver grey			



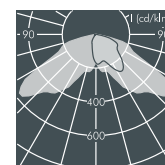
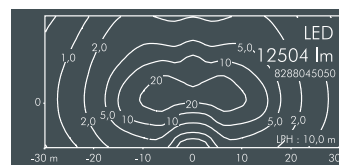
Fluxa B, asymmetrical beam, with prismatic glass, for reduced glare

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 289 045 069	black	2 x LED module 79 W	11772 lm	53°
8 289 065 069	white	neutral white (4000 K)		
8 289 055 069	silver grey			



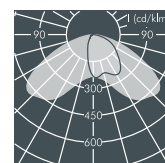
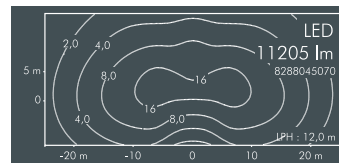
Fluxa B, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 288 045 059	black	2 x LED module 70 W	12504 lm	67°	124°
8 288 065 059	white	neutral white (4000 K)			
8 288 055 059	silver grey				

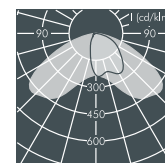
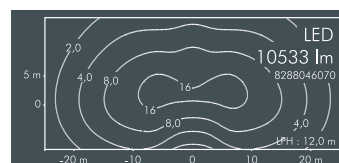


Fluxa B, wide beam, with prismatic glass, for reduced glare

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 288 045 079	black	2 x LED module 70 W	11205 lm	61°	133°
8 288 065 079	white	neutral white (4000 K)			
8 288 055 079	silver grey				



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 288 046 079	black	2 x LED module 70 W	10533 lm	61°	133°
8 288 066 079	white	warm white (3000 K)			
8 288 056 079	silver grey				

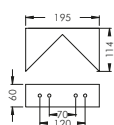


Part number	Description
... 6 ...	Luminaire with warm white LED module (3000 K)
... 1 ...	Dimmable luminaire (DALI)

LED (see page 185)

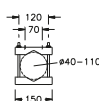
Luminaires available in 2700 K and other colour temperatures on request





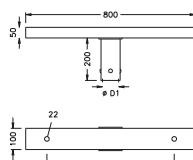
Accessories Fluxa A

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	

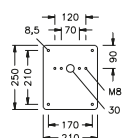


Fluxa A/B

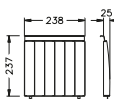
Part number	Colour	Description
120 0 240 940	black	Universal pole clamp , aluminium, polyester powder coated, stainless steel bolts, for mounting on poles \varnothing 40 -110 mm
120 0 240 960	white	
120 0 240 950	silver grey	



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

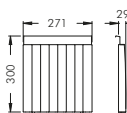


Part number	Colour	Description
128 0 232 940	black	Wall plate B , aluminium, polyester powder coated, for additional support on unstable surfaces
128 0 232 960	white	
128 0 232 950	silver grey	



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	



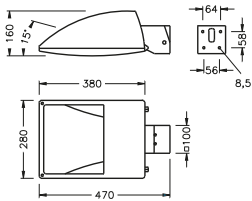
Fluxa B asymmetrical beam

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

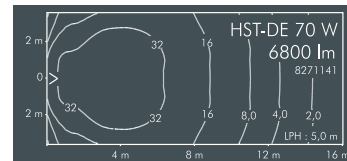
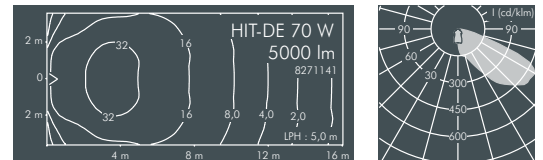


Fluxa AG

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 184), supplied without lamp

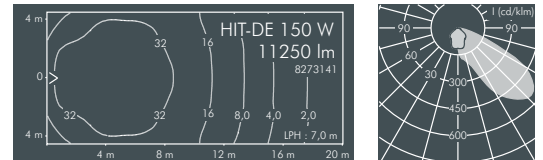
Fluxa AG 70 W, asymmetrical beam

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			



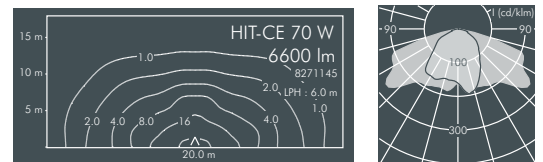
Fluxa AG 150 W, asymmetrical beam

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			



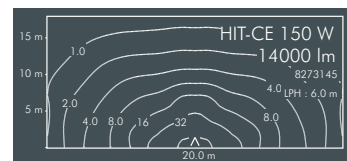
Fluxa AG 70 W, wide beam

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

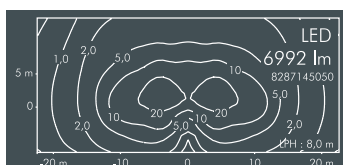
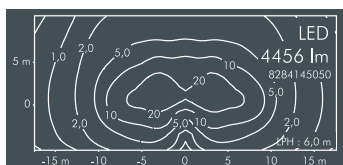
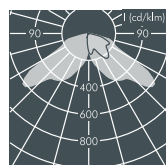
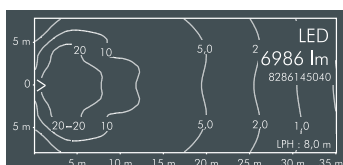
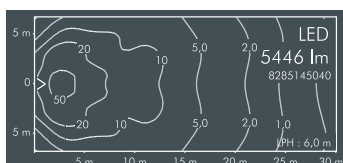
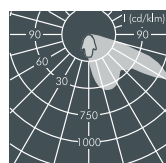
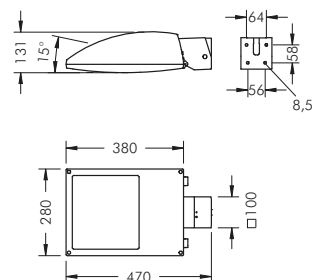


HIT-CE



Fluxa AG

With high performance LED module (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, 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



Fluxa AG, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 285 145 049	black	1 x LED module 52 W	5446 lm	63°
8 285 165 049	white	neutral white (4000 K)		
8 285 155 049	silver grey			

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 286 145 049	black	1 x LED module 69 W	6986 lm	63°
8 286 165 049	white	neutral white (4000 K)		
8 286 155 049	silver grey			

Fluxa AG, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 284 145 059	black	2 x LED module 21 W neutral white (4000 K)	4456 lm	72°	122°
8 284 165 059	white				
8 284 155 059	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 287 145 059	black	2 x LED module 33 W neutral white (4000 K)	6992 lm	72°	122°
8 287 165 059	white				
8 287 155 059	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

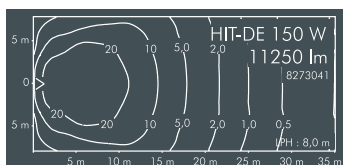
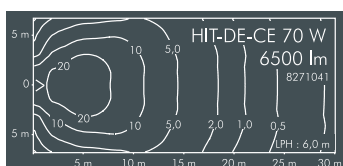
* Light control options see page 123

Lux level comparison HIT-DE 70 W / LED 52 W, asymmetrical beam

HIT-DE 70 W: 7 lux average level
 LED 52 W: 10 lux average level

Lux level comparison HIT-DE 150 W / LED 69 W, asymmetrical beam

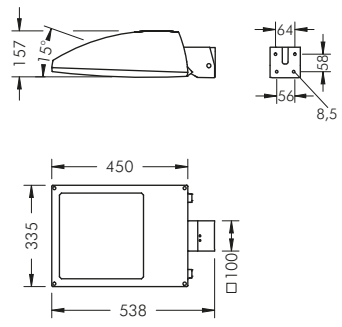
HIT-DE 150 W: 8 lux average level
 LED 69 W: 7.5 lux average level




LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



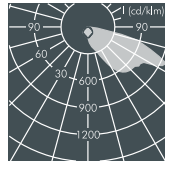
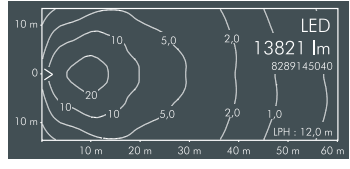


Fluxa BG

With high performance LED module (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, 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)

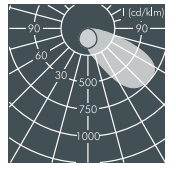
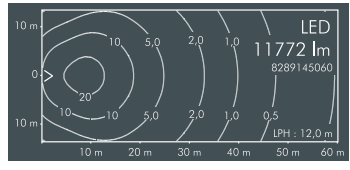
Fluxa BG, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 289 145 049	black	2 x LED module 79 W	13821 lm	65°
8 289 165 049	white	neutral white (4000 K)		
8 289 155 049	silver grey			



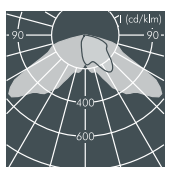
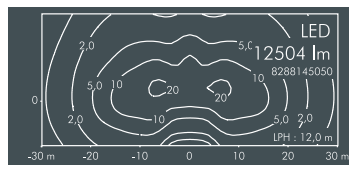
Fluxa BG, asymmetrical beam, with prismatic glass, for reduced glare

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 289 145 069	black	2 x LED module 79 W	11772 lm	53°
8 289 165 069	white	neutral white (4000 K)		
8 289 155 069	silver grey			



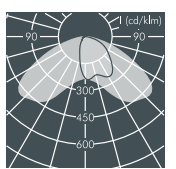
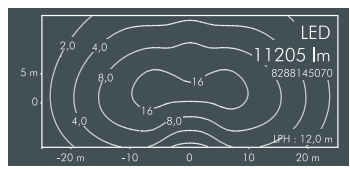
Fluxa BG, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 288 145 059	black	2 x LED module 70 W	12504 lm	67°	124°
8 288 165 059	white	neutral white (4000 K)			
8 288 155 059	silver grey				

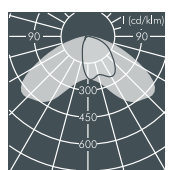
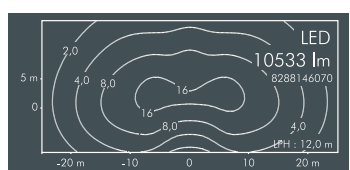


Fluxa BG, wide beam, with prismatic glass, for reduced glare

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 288 145 079	black	2 x LED module 70 W	11205 lm	61°	133°
8 288 165 079	white	neutral white (4000 K)			
8 288 155 079	silver grey				



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 288 146 079	black	2 x LED module 70 W	10533 lm	61°	133°
8 288 166 079	white	warm white (3000 K)			
8 288 156 079	silver grey				

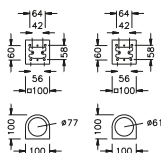


Part number	Description
... 6 ...	Luminaire with warm white LED module (3000 K)
... 1 ...	Dimmable luminaire (DALI)

LED (see page 185)

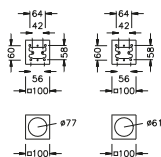
Luminaires available in 2700 K and other colour temperatures on request



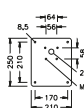


Accessories Fluxa AG/BG

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	

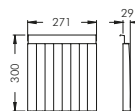


Part number	Colour	Description
127 0 182 940	black	Pole top fitter for pole Ø 60 mm for two luminaires
127 0 182 960	white	
127 0 182 950	silver grey	
127 0 082 940	black	Pole top fitter for pole Ø 76 mm for two luminaires
127 0 082 960	white	
127 0 082 950	silver grey	



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.



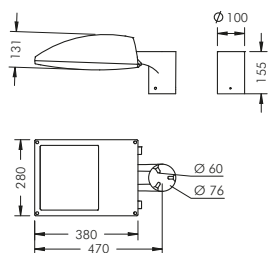
Fluxa BG asymmetrical beam

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



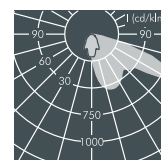
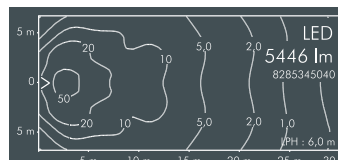
Fluxa A pole top luminaire, single configuration

With high performance LED module (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

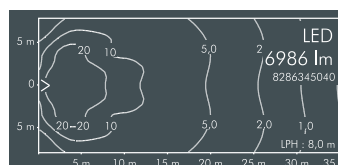
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, aluminium reflector, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, 4 stainless steel screws, hinged front frame, with pole top fitter for 1 luminaire, for poles Ø 60/76 mm, M20 cable gland, with 8 m cable H05RN-F3G1, integral driver

Fluxa A pole top luminaire, single configuration, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 285 345 049	black	1 x LED module 52 W	5446 lm	63°
8 285 365 049	white	neutral white (4000 K)		
8 285 355 049	silver grey			

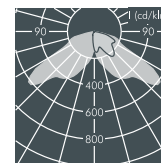
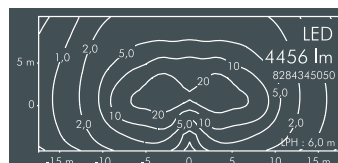


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 286 345 049	black	1 x LED module 69 W	6986 lm	63°
8 286 365 049	white	neutral white (4000 K)		
8 286 355 049	silver grey			

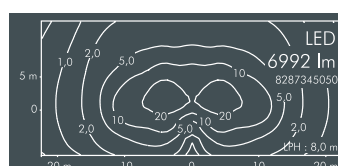


Fluxa A pole top luminaire, single configuration, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 284 345 059	black	2 x LED module 21 W	4456 lm	72°	122°
8 284 365 059	white	neutral white (4000 K)			
8 284 355 059	silver grey				



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 287 345 059	black	2 x LED module 33 W	6992 lm	72°	122°
8 287 365 059	white	neutral white (4000 K)			
8 287 355 059	silver grey				



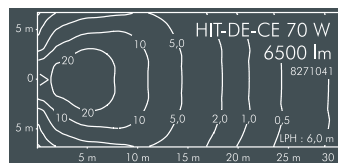
Part number	Description
... .. .6 ...	Luminaire with warm white LED module (3000 K)
... .. .1 ..	Dimmable luminaire* DALI / StepDIM / AstroDIM
... .. .6 .	Luminaire asymmetrical beam, with prismatic glass, for reduced glare
... .. .7 .	Luminaire wide beam, with prismatic glass, for reduced glare

* Light control options see page 123

Lux level comparison HIT-DE 70 W / LED 52 W, asymmetrical beam

HIT-DE 70 W: 7 lux average level

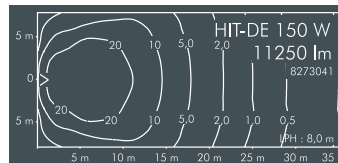
LED 52 W: 10 lux average level



Lux level comparison HIT-DE 150 W / LED 69 W, asymmetrical beam

HIT-DE 150 W: 8 lux average level

LED 69 W: 7.5 lux average level








LED (see page 185)

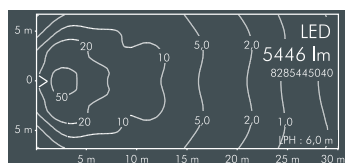
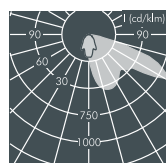
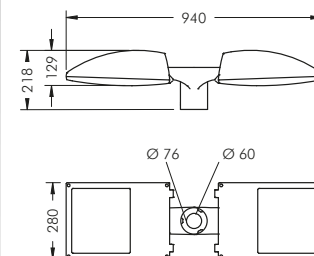
Luminaires available in 2700 K and other colour temperatures on request



Fluxa A pole top luminaire, double configuration

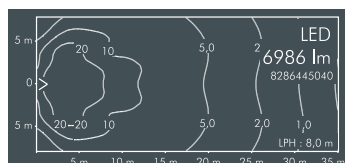
With high performance LED modules (Zhaga), integral temperature monitoring device, CRI: > 70, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67      IK08
 windage area AW 0.22 m²

corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, 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

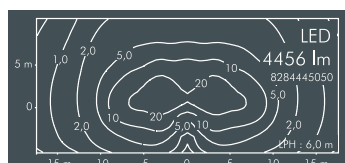
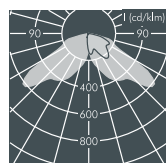


Fluxa A pole top luminaire, double configuration, asymmetrical beam

Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 285 445 049	black	2 x 1 LED module 52 W	2 x 5446 lm	63°
8 285 465 049	white	neutral white (4000 K)		
8 285 455 049	silver grey			

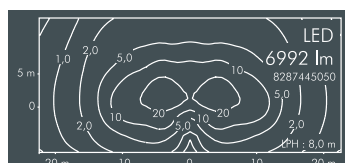


Part number	Colour	Light source	Luminous flux	Main beam angle γ
8 286 445 049	black	2 x 1 LED module 69 W	2 x 6986 lm	63°
8 286 465 049	white	neutral white (4000 K)		
8 286 455 049	silver grey			



Fluxa A pole top luminaire, double configuration, wide beam

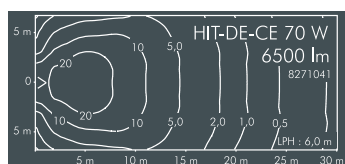
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 284 445 059	black	2 x 2 LED module 21 W	2 x 4456 lm	72°	122°
8 284 465 059	white	neutral white (4000 K)			
8 284 455 059	silver grey				



Part number	Colour	Leuchtmittel	Luminous flux	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 287 445 059	black	2 x 2 LED module 33 W	2 x 6992 lm	72°	122°
8 287 465 059	white	neutral white (4000 K)			
8 287 455 059	silver grey				

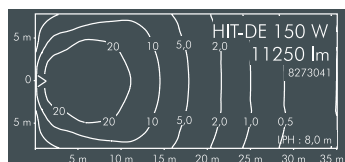
Part number	Description
. 6 . . .	Luminaire with warm white LED module (3000 K)
. 1 . .	Dimmable luminaire* DALI / StepDIM / AstroDIM
.6	Luminaire asymmetrical beam, with prismatic glass, for reduced glare
.7	Luminaire wide beam, with prismatic glass, for reduced glare

* Light control options see page 123



Lux level comparison HIT-DE 70 W / LED 52 W, asymmetrical beam

HIT-DE 70 W: 7 lux average level
 LED 52 W: 10 lux average level



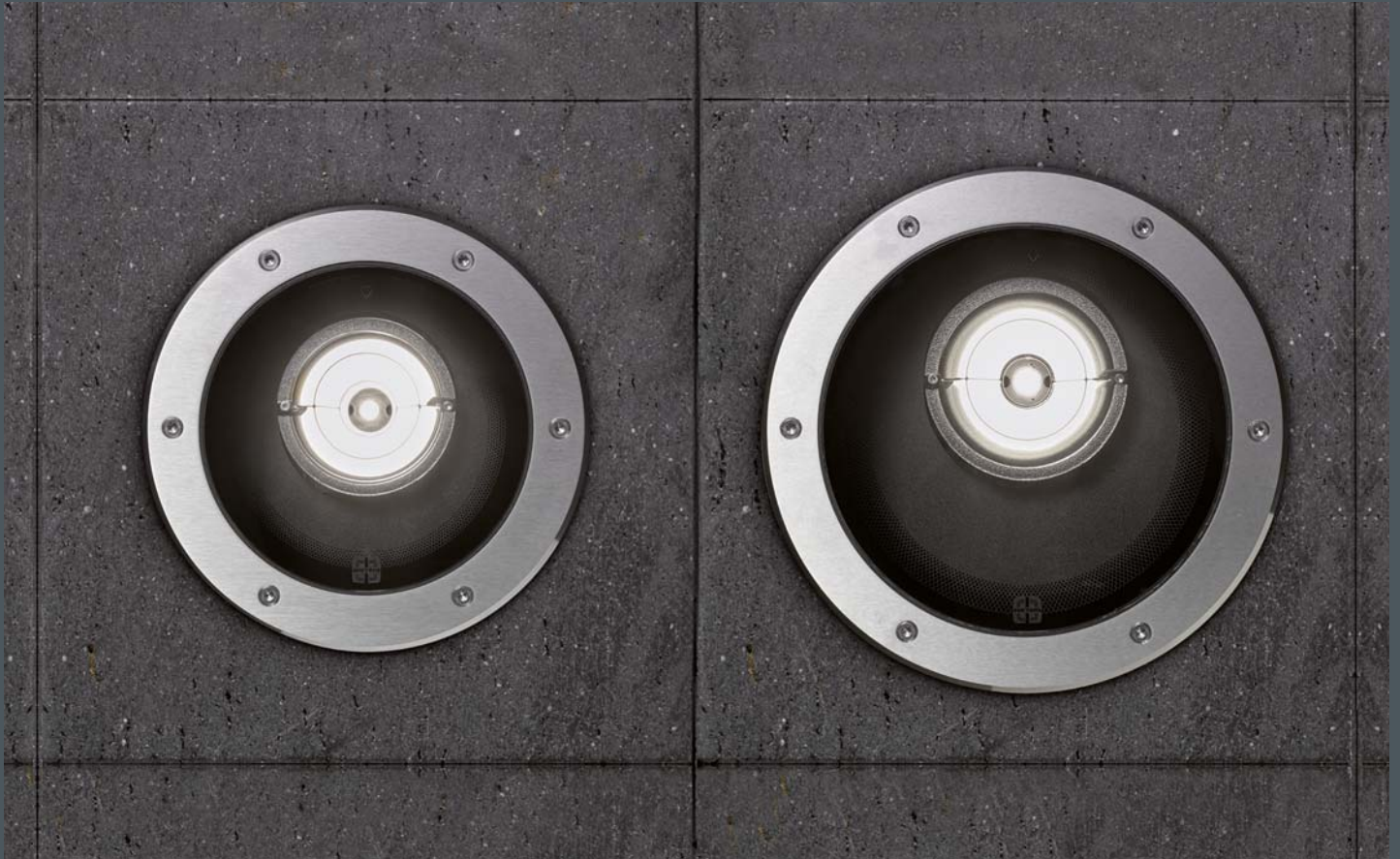
Lux level comparison HIT-DE 150 W / LED 69 W, asymmetrical beam

HIT-DE 150 W: 8 lux average level
 LED 69 W: 7.5 lux average level

LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request





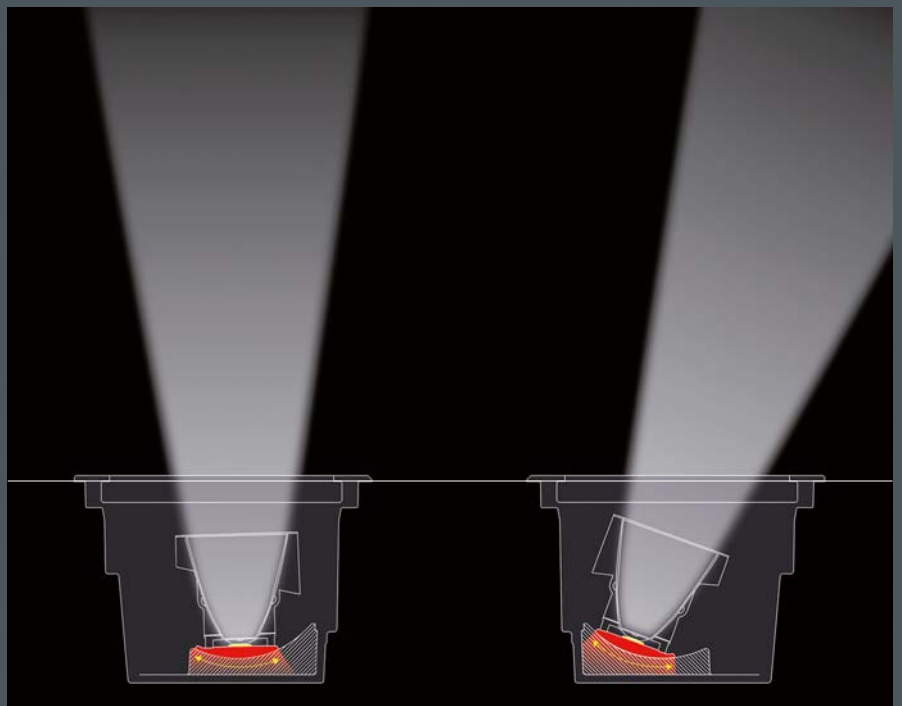
The Uplight product range offers flexible tools for sophisticated lighting projects, from accent lighting to floodlighting. These in-ground uplighters combine all the important product advantages: precise light distribution, optimal glare control, adjustable optics, shallow depth. This unique combination 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.



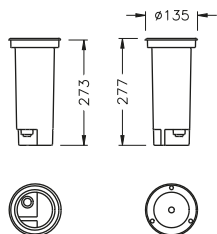
The LED module is perfectly shielded. The luminaires therefore have exemplary glare control.



Province of Limburg's government building, Maastricht/Netherlands
Lighting design: Studio DL, Hildesheim



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.



Uplight 135 rotationally symmetrical, adjustable optics

For ceramic metal halide lamps (HIT-TC-CE) protection class I, IP67 $\blacklozenge \blacklozenge \blacklozenge$, IK10 corrosion-resistant cast aluminium housing AlSi12, double powder coated, gimbal mounted rotationally symmetrical aluminium reflector, adjustable 0–15°, all exterior steel parts stainless steel, tempered safety glass flush with trim, 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, encapsulated electronic ballast, supplied without lamp

Uplight 135, gimbal mounted, adjustable reflector, rotationally symmetrical narrow beam

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 620 011 009	Philips CDM-Tm 20 W	PGJ5	75° C	0 – 15°	7°

* With the heat-block filter (see accessories) the surface temperature of the glass is reduced to max. **68° C**.

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 621 011 009	General Electric CMH 20 W	GU6.5	71° C	0 – 15°	7°
	Osram HCI-TF 20 W				

* With the heat-block filter (see accessories) the surface temperature of the glass is reduced to max. **64° C**.

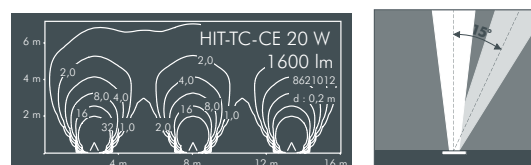
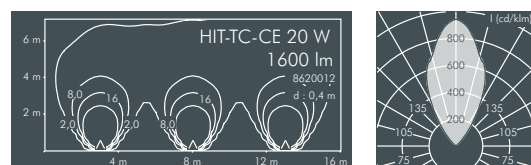
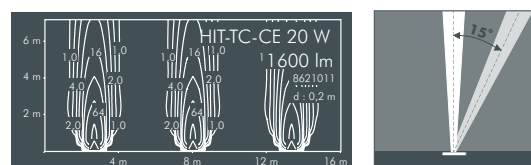
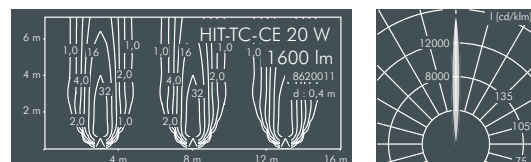
Uplight 135, gimbal mounted, adjustable reflector, rotationally symmetrical wide beam

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 620 012 009	Philips CDM-Tm 20 W	PGJ5	69° C	0 – 15°	44°

* With the heat-block filter (see accessories) the surface temperature of the glass is reduced to max. **62° C**.

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 621 012 009	General Electric CMH 20 W	GU6.5	65° C	0 – 15°	44°
	Osram HCI-TF 20 W				

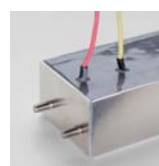
* With the heat-block filter (see accessories) the surface temperature of the glass is reduced to max. **58° C**.



Part number	Description
... .. 069	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 198 060)

Part number	Description
... 1. . . .	Luminaire with slip resistant glass* (R13 according to DIN EN 51130)

*The light distribution becomes more diffuse

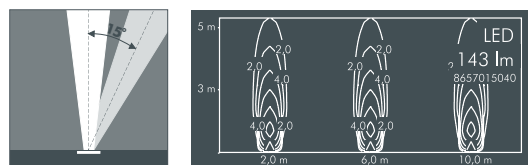
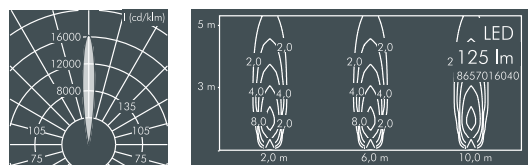
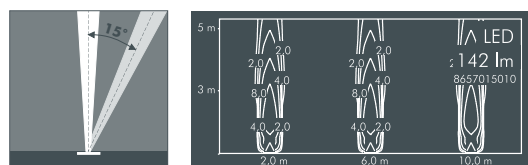
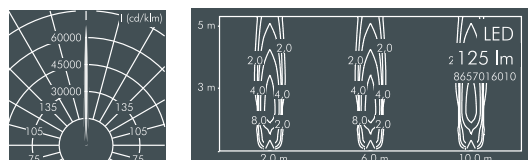


Encapsulated electronic ballasts are used inside the IP67 rated housing, thus ensuring optimal protection against humidity.



Uplight 135 adjustable

With 1 x 3 W high performance LED,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 Protection class I, IP67 \blacklozenge \blacktriangle \blacktriangle , IK10
 corrosion-resistant cast aluminium housing AlSi12,
 double polyester powder coated,
 LED board adjustable 0-15°, lockable,
 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	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 657 016 019	1 x LED 3 W warm white (3000 K)	125 lm	0 – 15°	4°

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 657 015 019	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	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 657 016 049	1 x LED 3 W warm white (3000 K)	125 lm	0 – 15°	13°

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 657 015 049	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)

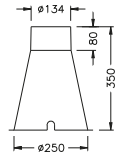
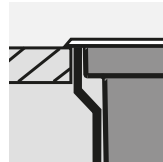
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request

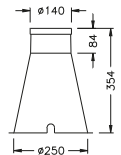
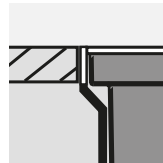


Accessories Uplight 135 (HIT 20 W) with gimbal mounted adjustable reflector, narrow and wide beam

Part number	Description
126 0 198 000	Installation sleeve , polypropylene, for luminaire with overlapping trim (for luminaires009)



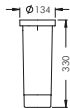
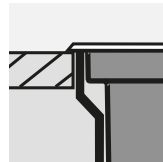
Part number	Description
126 0 198 060	Installation sleeve , polypropylene, for luminaire with trim for flush mounting (for luminaires069)



Uplight 135 (LED)

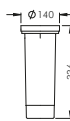
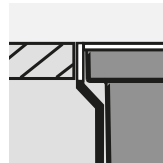
Part number	Description
126 0 205 000	Installation sleeve* , polypropylene, for luminaire with overlapping trim (for luminaires 8 6579)

* If necessary can be shortened on site.



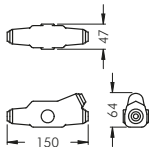
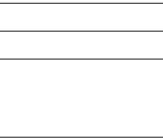
Part number	Description
126 0 205 060	Installation sleeve* , polypropylene, for luminaire with trim for flush mounting (for luminaires 8 6589)

* If necessary can be shortened on site.



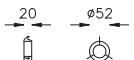
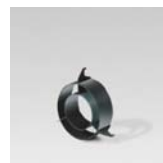
Uplight 135

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).

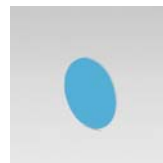


Uplight 135 (HIT 20 W), gimbal mounted, adjustable reflector, narrow and wide beam

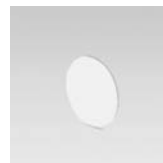
Part number	Description
126 0 167 940	Radial louvre to reduce lateral glare



Part number	Colour	Description
126 0 201 000	yellow	Dichroic glass colour filter
126 0 203 000	blue	
126 0 207 000	red	
126 0 208 000	green	



Part number	Description
126 0 204 000	Heat-block filter , to reduce the surface temperature of the glass



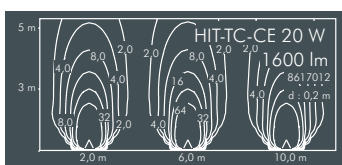
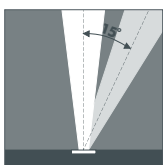
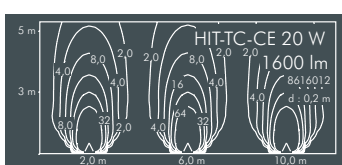
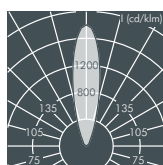
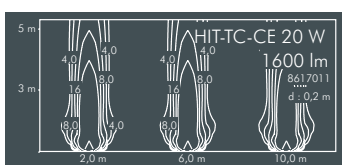
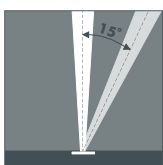
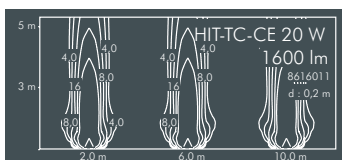
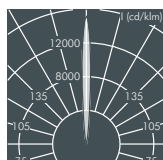
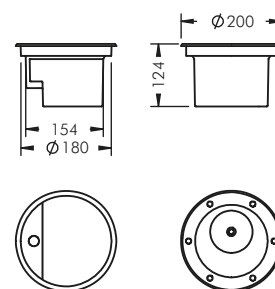
Uplight 135 (HIT 20 W), gimbal mounted, adjustable reflector, narrow beam

Part number	Description
126 0 165 000	Ribbed glass for linear beam control, continuously adjustable through 360°



Uplight 200 rotationally symmetrical, adjustable optics

For ceramic metal halide lamps (HIT-TC-CE)
protection class I, IP67 $\blacklozenge \blacktriangle \blacktriangledown$, IK10
corrosion-resistant cast aluminium housing AlSi12,
double powder coated,
rotationally symmetrical reflector, adjustable,
tilt range 0-15°, lockable,
all exterior steel parts are stainless steel,
tempered safety glass flush with frame,
for loads up to max. 5000 kg (according to
DIN EN 60598-2-13), silicon gasket,
V4A stainless steel trim ring and 6 screws,
M20 cable gland with 0.8 m cable H05RN-F3G1,
integral encapsulated electronic ballast,
applied without lamp



Uplight 200, adjustable optics, rotationally symmetrical, narrow beam

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 616 011 009	Philips CDM-Tm 20 W	PGJ5	74°	0 – 15°	8°

* With the heat block filter (see accessories) the surface temperature of the glass is reduced to **67° C**

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 617 011 009	General Electric CMH 20 W/ Osram HCHTF 20 W	GU6.5	70°	0 – 15°	8°

* With the heat block filter (see accessories) the surface temperature of the glass is reduced to **63° C**

Uplight 200, adjustable optics, rotationally symmetrical, medium wide beam

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 616 012 009	Philips CDM-Tm 20 W	PGJ5	68°	0 – 15°	25°

* With the heat block filter (see accessories) the surface temperature of the glass is reduced to **61° C**

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 617 012 009	General Electric CMH 20 W/ Osram HCHTF 20 W	GU6.5	64°	0 – 15°	25°

* With the heat block filter (see accessories) the surface temperature of the glass is reduced to **57° C**

Part number	Description
..... 069	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 232 060)

Part number	Description
.... 1.....	Luminaire with slip resistant glass* (R13 according to DIN EN 51130)

*The light distribution becomes more diffuse



Once aimed at the desired angle, the reflector can be locked into place with screws so that it is not misaligned during maintenance.

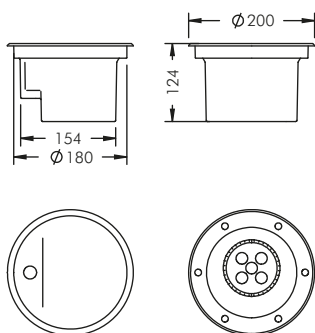
Lamps

HIT-TC-CE



HIT-TC-CE



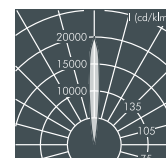
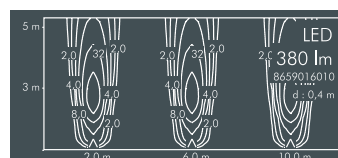


Uplight 200 adjustable optics

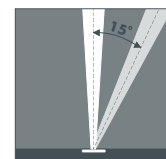
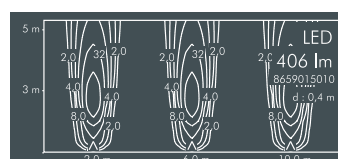
With 5 x 1 W high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 , IK10
 corrosion-resistant cast aluminium housing AlSi12, double powder coated, rotationally symmetrical reflector, adjustable, tilt range 0-15°, lockable,
 all exterior steel parts are stainless steel, tempered safety glass flush with frame, for loads up to max. 5000 kg (according to DIN EN 60598-2-13), silicon gasket, V4A stainless steel trim ring and 6 screws, M20 cable gland with 0.8 m cable H05RN-F3G1, integral driver

Uplight 200, gimbal mounted, narrow beam

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 659 016 019	5 x LED 1 W warm white (3000 K)	380 lm	0 – 15°	10°

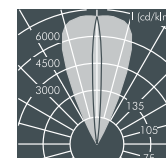


Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 659 015 019	5 x LED 1 W neutral white (4000 K)	406 lm	0 – 15°	10°

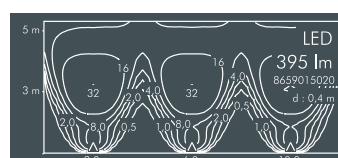


Uplight 200, gimbal mounted, linear beam spread

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 659 016 029	5 x LED 1 W warm white (3000 K)	369 lm	0 – 15°	8°	47°

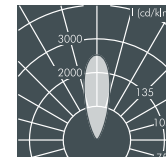
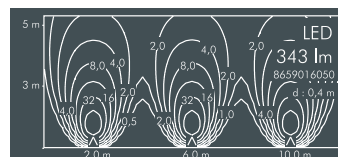


Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
				C 0 – 180	C 90 – 270
8 659 015 029	5 x LED 1 W neutral white (4000 K)	395 lm	0 – 15°	8°	47°

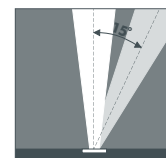
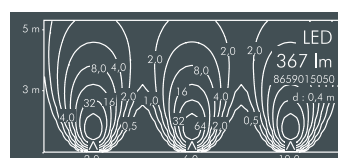


Uplight 200, gimbal mounted, wide beam

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 659 016 059	5 x LED 1 W warm white (3000 K)	343 lm	0-15°	33°



Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 659 015 059	5 x LED 1 W neutral white (4000 K)	367 lm	0-15°	33°



Part number	Description
8 660	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 232 060)

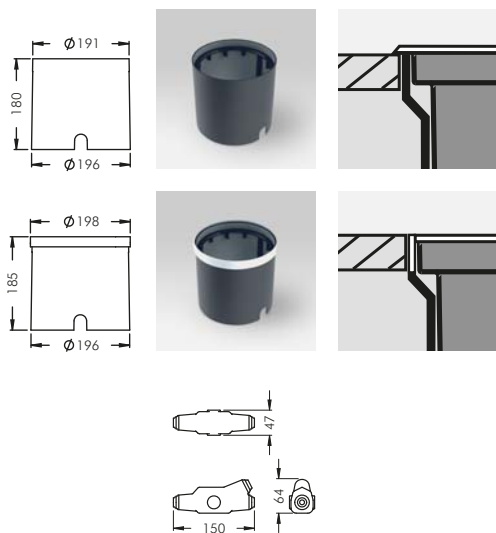
Part number	Description
. . . . 1	Luminaire with slip resistant glass* (R13 according to DIN EN 51130)

*The light distribution becomes more diffuse

LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



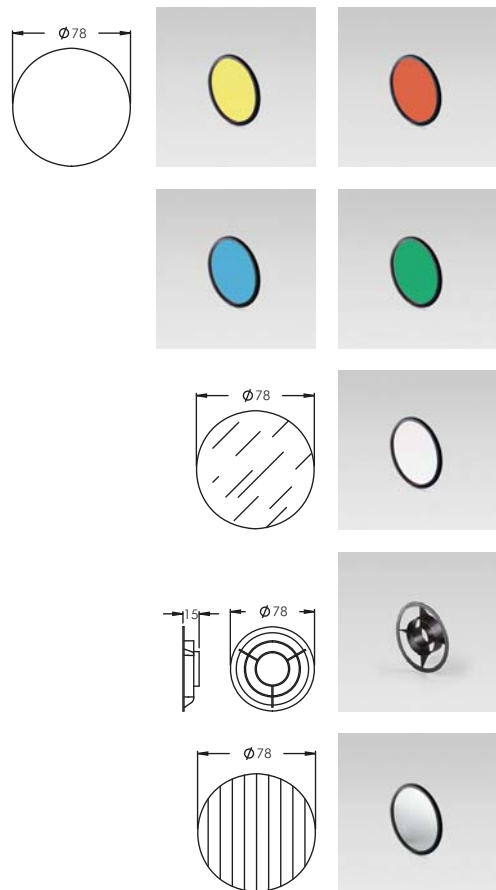


Accessories Uplight 200

Part number	Description
126 0 232 000	Polypropylene installation sleeve, for luminaires with overlapping trim ring (for luminaires 009 and for LED uplighters 8 659)

Part number	Description
126 0 232 060	Polypropylene installation sleeve, for luminaires with trim ring for flush mounting (for luminaires 069 and for LED uplighters 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 200 (HIT 20 W)

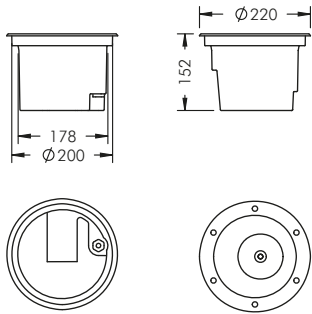
Part number	Colour	Description
126 0 241 000	yellow	Dichroic glass colour filter
126 0 243 000	blue	
126 0 247 000	red	
126 0 248 000	green	

Part number	Description
126 0 240 000	Heat block filter, reduces the surface temperature on the glass

Part number	Description
126 0 239 940	Radial louvre, to reduce lateral glare

Accessories Uplight 200 (HIT 20 W), narrow beam

Part number	Description
126 0 249 000	Ribbed glass spreader lens, for linear beam control, continuously adjustable through 360°

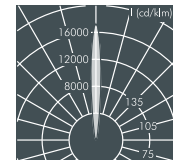
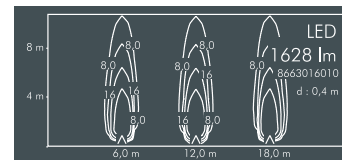


Uplight 220 adjustable optics

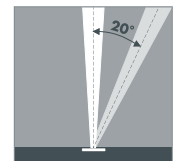
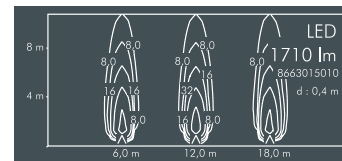
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP68 (1.5 m) IK10
 corrosion-resistant cast aluminium housing AlSi12, double powder coated, high gloss aluminium reflector, tilt 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/DC)

Uplight 220, adjustable optics, narrow beam

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 663 016 019	1 x LED module 21 W warm white (3000 K)	1628 lm	0 – 20°	9°

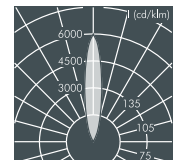
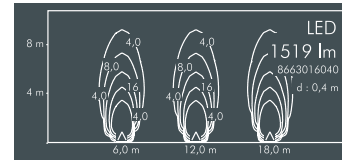


Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 663 015 019	1 x LED module 21 W neutral white (4000 K)	1710 lm	0 – 20°	9°

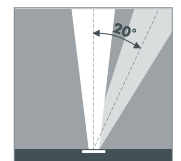
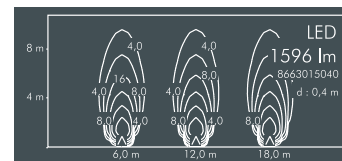


Uplight 220, adjustable optics, medium wide beam

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 663 016 049	1 x LED module 21 W warm white (3000 K)	1519 lm	0 – 20°	18°



Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 663 015 049	1 x LED module 21 W neutral white (4000 K)	1596 lm	0 – 20°	18°

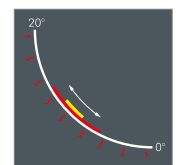


Part number	Description
8 664	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 338 060)

Part number	Description
. 1	Luminaire with slip resistant glass* (R13 according to DIN EN 51130)

*The light distribution becomes more diffuse

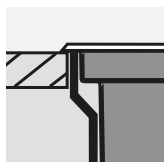
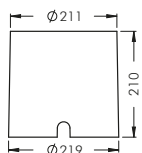
Luminaire with integral Heatslide mechanism



LED (see page 185)

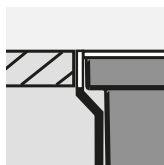
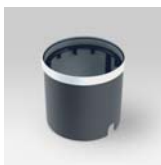
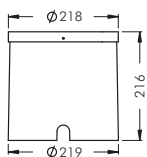
Luminaires available in 2700 K or other colour temperatures on request



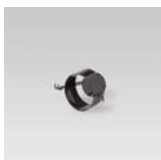
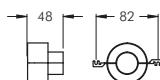


Accessories Uplight 220

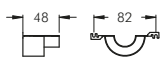
Part number	Description
126 0 338 000	Polypropylene installation sleeve , for luminaires with overlapping trim ring (for luminaires 8 663)



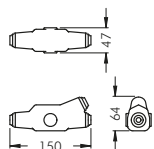
Part number	Description
126 0 338 060	Polypropylene installation sleeve , for luminaires with trim ring for flush mounting (for luminaires 8 664)



Part number	Description
126 0 339 940	Radial louvre , to reduce lateral glare



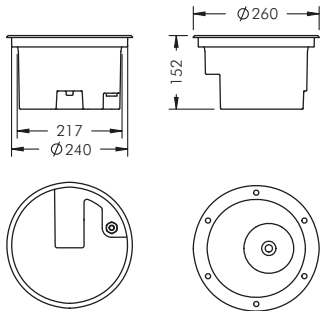
Part number	Description
126 0 351 940	Radial louvre , to reduce lateral glare



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, 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°

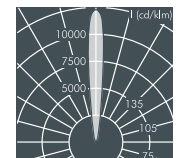
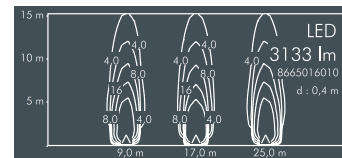


Uplight 260 adjustable optics

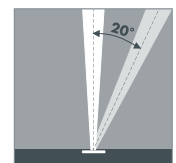
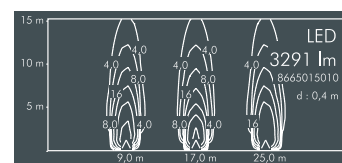
With high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B10 > 50 000 h
 protection class I, IP68 (1.5 m) , IK10
 corrosion-resistant cast aluminium housing AlSi12, double powder coated, high gloss aluminium reflector, tilt range 0-20°, 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

Uplight 260, adjustable optics, narrow beam

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 016 019	1 x LED module 37 W warm white (3000 K)	3133 lm	0 – 20°	11°

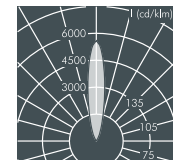
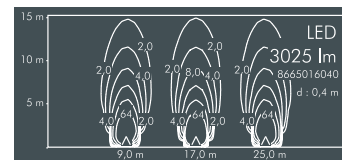


Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 015 019	1 x LED module 37 W neutral white (4000 K)	3291 lm	0 – 20°	11°

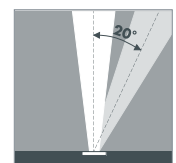
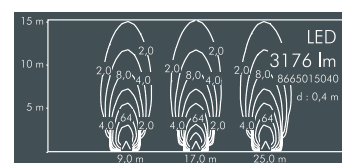


Uplight 260, adjustable optics, medium wide beam

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 016 049	1 x LED module 37 W warm white (3000 K)	3025 lm	0 – 20°	19°



Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 665 015 049	1 x LED module 37 W neutral white (4000 K)	3176 lm	0 – 20°	19°



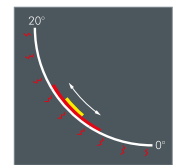
Part number	Description
8 666	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 341 060)

Part number	Description
. 1	Luminaire with slip resistant glass* (R13 according to DIN EN 51130)

*The light distribution becomes more diffuse

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

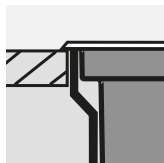
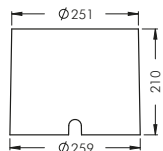
Luminaire with integral Heatslide mechanism



LED (see page 185)

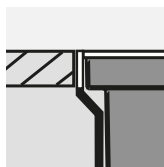
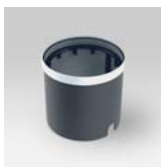
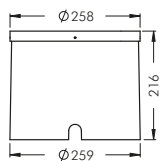
Luminaires available in 2700 K or other colour temperatures on request



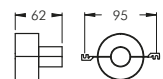


Accessories Uplight 260

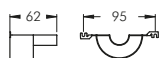
Part number	Description
126 0 341 000	Polypropylene installation sleeve , for luminaires with overlapping trim ring (for luminaires 8 665)



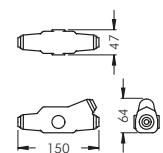
Part number	Description
126 0 341 060	Polypropylene installation sleeve , for luminaires with trim ring for flush mounting (for luminaires 8 666)



Part number	Description
126 0 342 940	Radial louvre , to reduce lateral glare



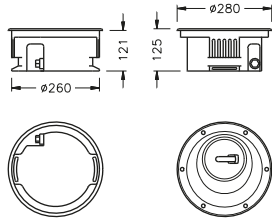
Part number	Description
126 0 352 940	Radial louvre , to reduce lateral glare



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, narrow beam		Half beam angle γ	
Part number	Description	C 0-180	C 90-270
126 0 343 000	Ribbed glass spreader lense , for linear beam control, continuously adjustable through 360°	12°	60°



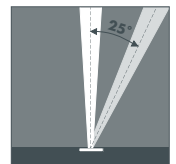
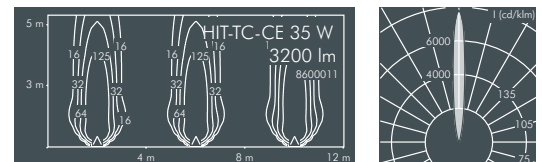
Uplight 280 rotationally symmetrical, adjustable optics

For ceramic metal halide lamps (HIT-TC-CE) protection class I, IP67 $\blacklozenge\blacklozenge\blacklozenge$, IK10 corrosion-resistant cast aluminium housing AlSi12, double powder coated, rotationally symmetrical aluminium reflector, tilt range 0-25°, 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, stainless steel cable gland, facility for through wiring, integral LPF ballast and ignitor, HPF available on request (see page 184), supplied without lamp

Uplight 280, adjustable optics, rotationally symmetrical narrow beam

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 600 011 009	HIT-TC-CE 35 W	G8.5	74° C	0 - 25°	10°

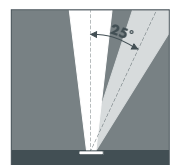
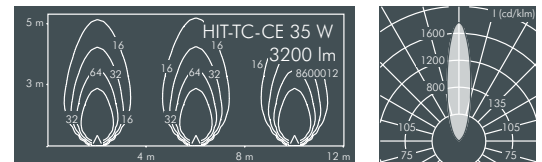
* With the heat-block filter (see accessories) the surface temperature of the glass is reduced to **69° C**.



Uplight 280, adjustable optics, rotationally symmetrical medium wide beam

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 600 012 009	HIT-TC-CE 35 W	G8.5	70° C	0 - 25°	23°

* With the heat-block filter (see accessories) the surface temperature of the glass is reduced to **65° C**.



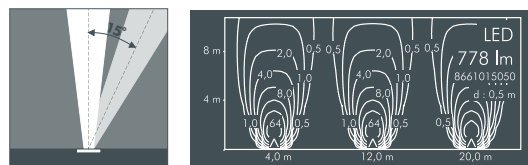
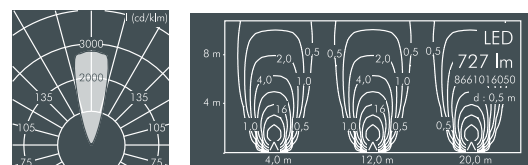
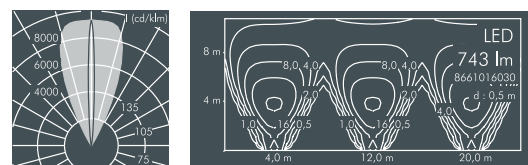
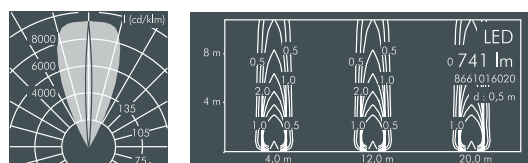
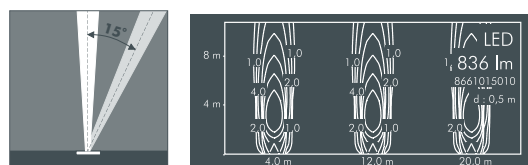
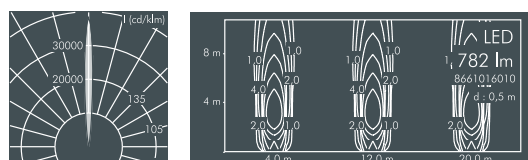
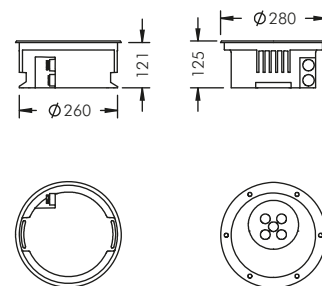
Part number	Description
. 069	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 160 060)

Part number	Description
. 1	Luminaire with slip-resistant glass* (R13 according to DIN EN 51130)

* The light distribution becomes more diffused.

Uplight 280 adjustable optics

With 5 x 2.5 W 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, 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 H07RNF3G1.5,
 facility for through wiring, integral driver



LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



Uplight 280, adjustable optics, narrow beam

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 661 016 019	5 x LED 2.5 W warm white (3000 K)	782 lm	0 - 15°	7°

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 661 015 019	5 x LED 2.5 W neutral white (4000 K)	836 lm	0 - 15°	7°

Uplight 280, adjustable optics, linear beam spread, vertical

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 661 016 029	5 x LED 2.5 W warm white (3000 K)	741 lm	0 - 15°	46°	6°
8 661 015 029	5 x LED 2.5 W neutral white (4000 K)	793 lm	0 - 15°	46°	6°

Uplight 280, adjustable optics, linear beam spread, horizontal

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 661 016 039	5 x LED 2.5 W warm white (3000 K)	743 lm	0 - 15°	6°	46°
8 661 015 039	5 x LED 2.5 W neutral white (4000 K)	796 lm	0 - 15°	6°	46°

Uplight 280, adjustable optics, wide beam

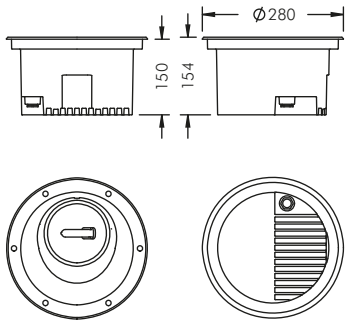
Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 661 016 059	5 x LED 2.5 W warm white (3000 K)	727 lm	0-15°	33°

Part number	Light source	Luminous flux	Tilt range	Beam angle γ (FWHM)
8 661 015 059	5 x LED 2.5 W neutral white (4000 K)	778 lm	0-15°	33°

Part number	Description
8 662	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 160 060)

Part number	Description
. 1	Luminaire with slip-resistant glass* (R13 according to DIN EN 51130)
. 1 . .	Dimmable luminaire (DALI)
. 2 . .	Dimmable luminaire (1-10 V)

*The light distribution becomes more diffuse.



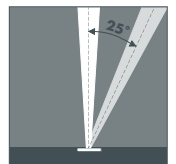
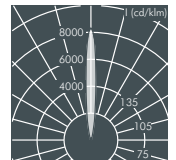
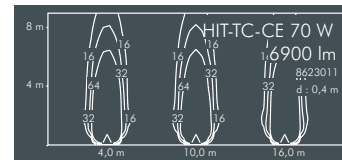
Uplight 280 rotationally symmetrical, adjustable optics

For ceramic metal halide lamps (HIT-TC-CE), protection class I, IP67 $\blacklozenge \blacklozenge \blacklozenge$, IK10 corrosion-resistant cast aluminium housing AlSi12, double polyester powder coated, rotationally symmetrical aluminium reflector, adjustment range 0-25°, lockable, all exterior steel parts are stainless steel, tempered safety glass flush with trim ring, for loads of up to max. 5000 kg (according to DIN EN 60598-2-13), silicon gasket, V4A stainless steel trim ring and 6 screws, M20 stainless steel cable gland with 0.8 m cable type H05RN-F-3G1, integral LPF control gear, HPF available on request (see page 184), supplied without lamp

Uplight 280, adjustable optics, rotationally symmetrical narrow beam

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 623 011 009	HIT-TC-CE 70 W	G8.5	78° C	0 - 25°	10°

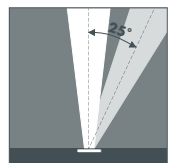
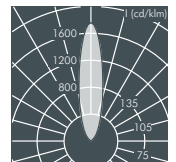
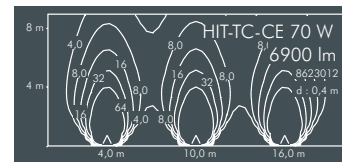
* With the heat block filter (see accessories) the surface temperature of the glass is reduced to **69° C**.



Uplight 280, adjustable optics, rotationally symmetrical medium wide beam

Part number	Lamp	Lampholder	Temperature*	Tilt range	Beam angle γ (FWHM)
8 623 012 009	HIT-TC-CE 70 W	G8.5	74° C	0 - 25°	23°

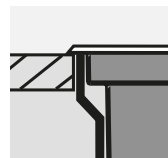
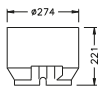
* With the heat block filter (see accessories) the surface temperature of the glass is reduced to **66° C**.



Part number	Description
. 069	Luminaire for flush installation (in combination with installation sleeve 126 0250 060)

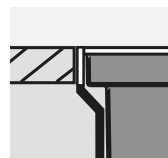
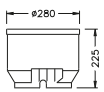
Part number	Description
. 1. . . .	Luminaire with slip-resistant glass* (R13 according to DIN EN 51130)

* The light distribution becomes more diffused

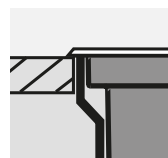
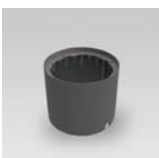
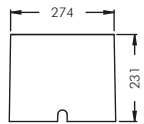


Accessories Uplight 280 (HIT 35 W/LED)

Part number	Description
126 0 160 000	Installation sleeve , polypropylene, for luminaire with overlapping trim (for luminaires 009 and for LED-uplights 8 661 9)

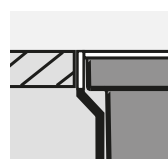
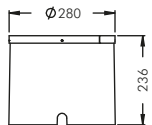


Part number	Description
126 0 160 060	Installation sleeve , polypropylene, for luminaire with trim for flush mounting (for luminaires 069 and for LED-uplights 8 662 9)

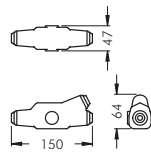


Uplight 280 (HIT 70 W)

Part number	Description
126 0 250 000	Installation sleeve , polypropylene, for luminaires with overlapping trim ring (for luminaires 009)



Part number	Description
126 0 250 060	Installation sleeve , polypropylene, for luminaires with trim ring for flush installation (for luminaires 069)



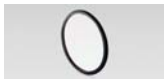
Uplight 280

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 280 (HIT 35 W), with adjustable optics

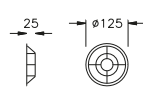
Part number	Colour	Description
126 0 441 000	yellow	Dichroic glass colour filters
126 0 443 000	blue	
126 0 447 000	red	
126 0 448 000	green	



Part number	Description
126 0 124 000	Heat-block filter , reduces the surface temperature on the glass
126 0 122 000	Ribbed glass , for linear beam control, continuously adjustable through 360°
126 0 212 000	Prismatic glass , for diffused light distribution

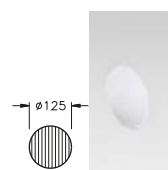
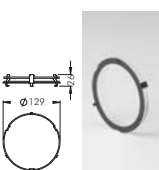
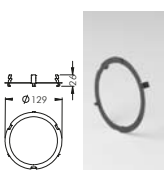
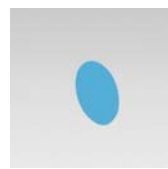


Part number	Description
126 0 120 940	Radial louvre , to reduce lateral glare, internally fitted

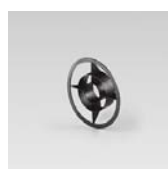
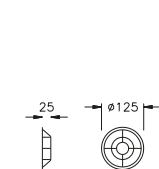
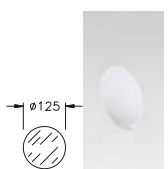


Uplight 280 (HIT 70 W), with adjustable optics

Part number	Colour	Description
126 0 251 000	yellow	Dichroic glass colour filters , in combination with carrier ring
126 0 253 000	blue	
126 0 257 000	red	
126 0 258 000	green	



Part number	Description
126 0 238 000	Carrier ring , for colour filters and ribbed glass spreader lens
126 0 259 000	Heat block filter , set with double filter, to reduce the surface temperature of the glass
126 0 255 000	Uplight 280 (HIT 70 W), with adjustable optics, narrow beam Ribbed glass spreader lens , for linear beam control, continuously adjustable 360°, in combination with carrier ring



Part number	Description
126 0 295 000	Prismatic glass , for diffused light distribution, in combination with carrier ring
126 0 284 940	Radial louvre , to reduce lateral glare



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





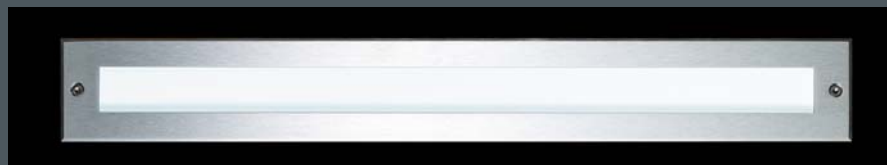
Wall washer optics for
façade illumination from
a short distance.

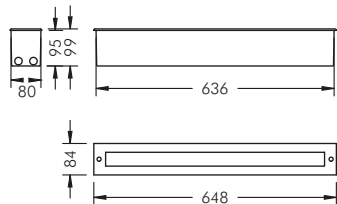


Asymmetrical optics for
façade illumination from
a greater distance.



Orientation luminaire with
diffuse light distribution.



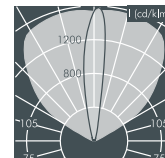
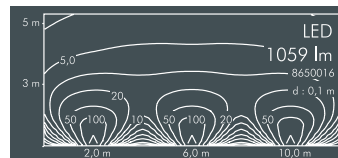


Upline 600

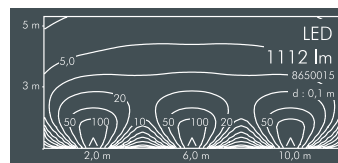
With high performance LEDs,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP67 $\blacklozenge \blacktriangle \blacktriangle$
 corrosion-resistant die cast aluminium housing AlSi12,
 double powder coated,
 tempered safety glass flush with frame,
 for loads up to max. 2000 kg (according to
 DIN EN 60598-2-13), silicon gasket,
 V4A stainless steel cover frame and 2 screws,
 stainless steel cable gland, 1 m cable H07RN-F3G1,
 with polypropylene recess housing,
 integral potted driver (AC/DC)

Upline 600, wall washer

Part number	Light source	Luminous flux	Beam angle γ (FWHM)	
			C 0 – 180	C 90 – 270
8 650 016 009	6 x LED 2.5 W warm white (3000 K)	1059 lm	12°	108°

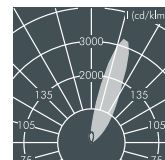
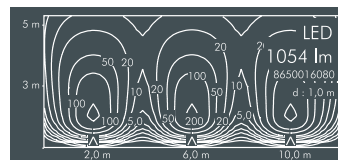


Part number	Light source	Luminous flux	Beam angle γ (FWHM)	
			C 0 – 180	C 90 – 270
8 650 015 009	6 x LED 2.5 W neutral white (4000 K)	1112 lm	12°	108°

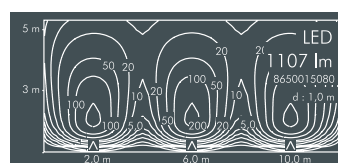


Upline 600, asymmetrical beam

Part number	Light source	Luminous flux	Main beam angle γ
8 650 016 089	6 x LED 2.5 W warm white (3000 K)	1054 lm	36°



Part number	Light source	Luminous flux	Main beam angle γ
8 650 015 089	6 x LED 2.5 W neutral white (4000 K)	1107 lm	36°

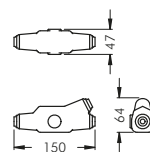


Part number	Description
. 1..	Dimmable luminaire (DALI)
. 2..	Dimmable luminaire (1-10 V)

The plastic recess housing can be supplied separately before the luminaire installation.

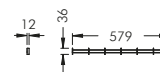
Accessories Upline 600, wall washer and asymmetrical beam

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).



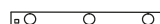
Accessories Upline 600, wall washer

Part number	Description
126 0 350 940	Louvre , stainless steel, to avoid glare



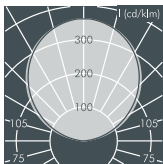
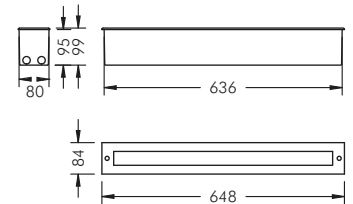
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



Upline 600 orientation luminaire

With linear LED module (Zhaga),
 CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP67 $\blacklozenge\blacklozenge\blacklozenge$
 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,
 stainless steel cable gland, 1 m cable H07RN-F3G1,
 with polypropylene recess housing,
 integral potted driver (AC/DC)



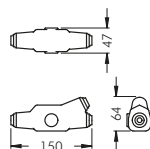
Upline 600 orientation luminaire

Part number	Light source	Luminous flux	Beam angle γ (FWHM)	
8 650 016 099	2 x LED linear modules 9.5 W warm white (3000 K)	566 lm	C 0 – 180	C 90 – 270

Part number	Light source	Luminous flux	Beam angle γ (FWHM)	
8 650 015 099	2 x LED linear modules 9.5 W neutral white (4000 K)	584 lm	C 0 – 180	C 90 – 270

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.



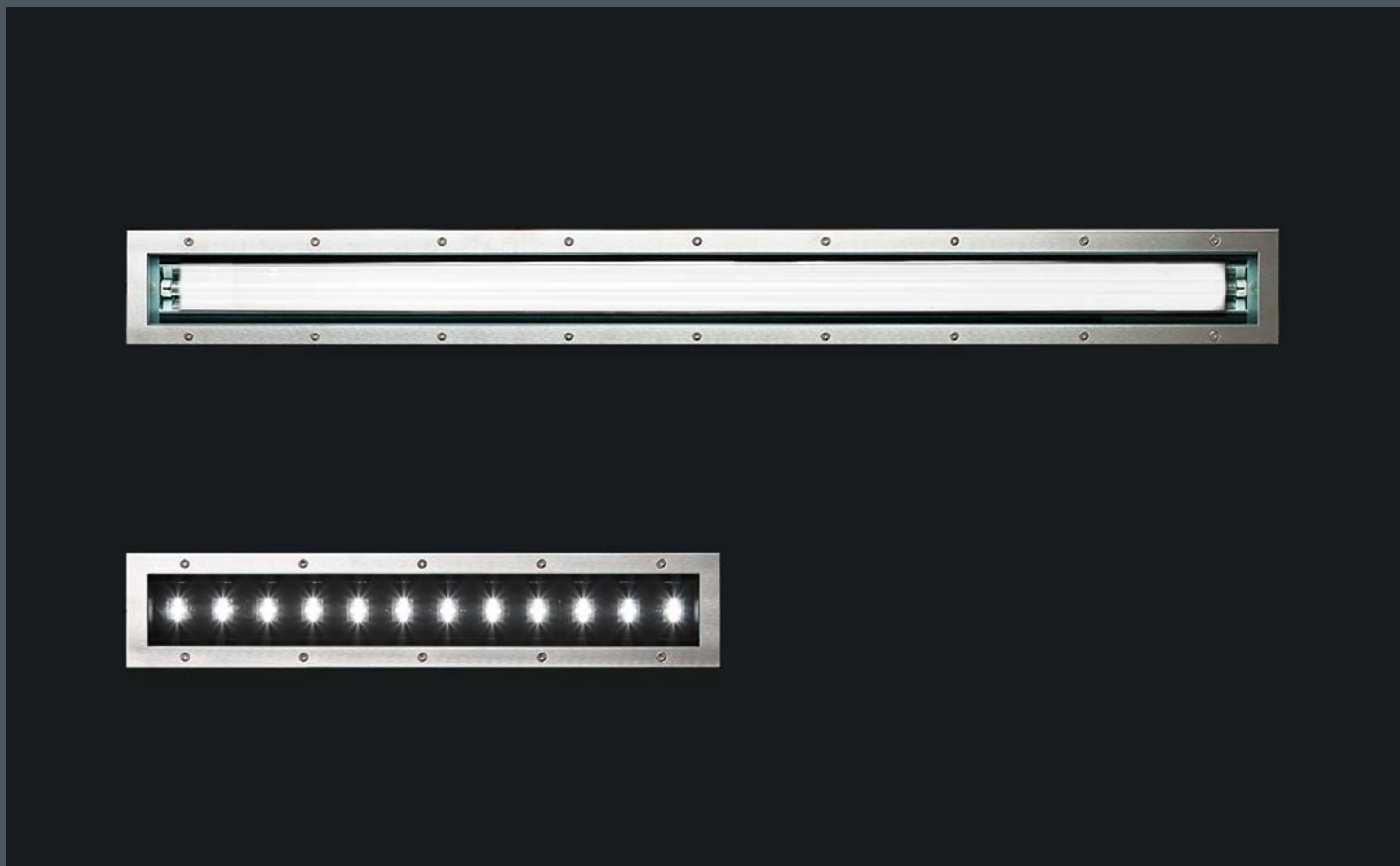
Accessories Upline 600 orientation luminaire

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 185)

Luminaires available in 2700 K and other colour temperatures on request



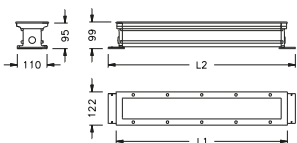


The linear ground-recessed luminaires are available in 4 lengths with LEDs and for T16 lamps, with symmetrical and asymmetrical reflectors. The robust design and execution ensure long-lasting service even under harsh conditions.



Dockland Hamburg/Germany
Architecture: BRT Architekten
Lighting design: Christian Feck



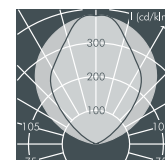
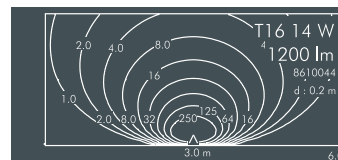


Upline linear wall washer

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, facility for through wiring, sealed integral electronic ballast or LED driver, supplied without lamp

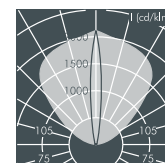
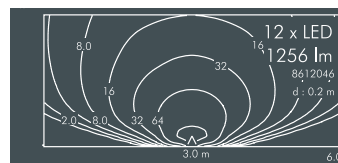
Upline linear, L1 = 635 mm, L2 = 695 mm

Part number	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 610 044 009	T16 14/24 W	G5	7.1 kg	82°	109°



Upline linear, L1 = 635 mm, L2 = 695 mm

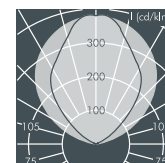
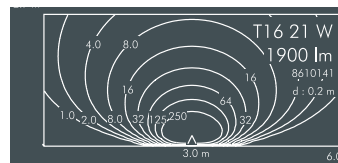
Part number*	Light source	Luminous flux	Beam angle γ (FWHM)	
			C 0 - 180	C 90 - 270
8 612 046 009	12 x LED 2.5 W warm white (3000 K), wall washer	1256 lm	10°	99°



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

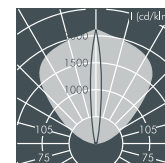
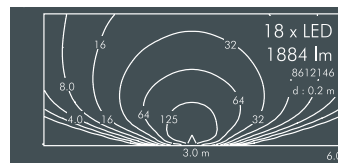
Upline linear, L1 = 935 mm, L2 = 995 mm

Part number	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 610 141 009	T16 21/39 W	G5	9.4 kg	82°	109°



Upline linear, L1 = 935 mm, L2 = 995 mm

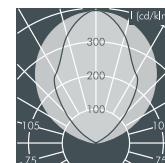
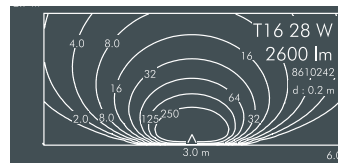
Part number*	Light source	Luminous flux	Beam angle γ (FWHM)	
			C 0 - 180	C 90 - 270
8 612 146 009	18 x LED 2.5 W warm white (3000 K), wall washer	1884 lm	10°	99°



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

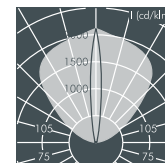
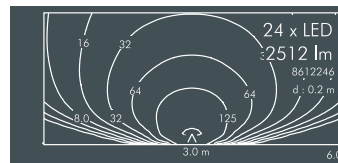
Upline linear, L1 = 1235 mm, L2 = 1295 mm

Part number	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 610 242 009	T16 28/54 W	G5	11.7 kg	82°	109°



Upline linear, L1 = 1235 mm, L2 = 1295 mm

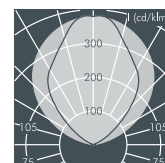
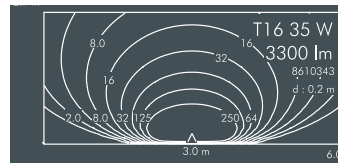
Part number*	Light source	Luminous flux	Beam angle γ (FWHM)	
			C 0 - 180	C 90 - 270
8 612 246 009	24 x LED 2.5 W warm white (3000 K), wall washer	2512 lm	10°	99°



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

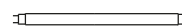
Upline linear, L1 = 1535 mm, L2 = 1595 mm

Part number	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 610 343 009	T16 35/49/80 W	G5	14.0 kg	82°	109°



Lamps

T16

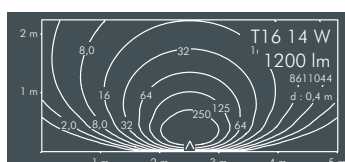
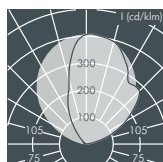
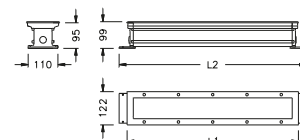


LED (see page 185)



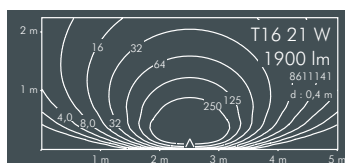
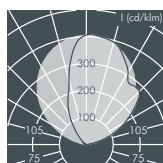
Upline linear asymmetrical wide beam

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,
facility for through wiring,
sealed integral electronic ballast,
supplied without lamp



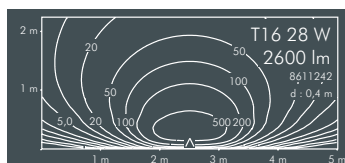
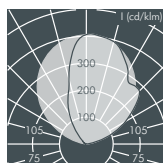
Upline linear, asymmetrical wide beam, L1 = 635 mm, L2 = 695 mm

Part number	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 611 044 009	T16 14/24 W	G5	7.1 kg	74°	105°



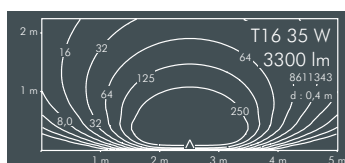
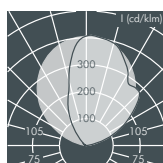
Upline linear, asymmetrical wide beam, L1 = 935 mm, L2 = 995 mm

Part number	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 611 141 009	T16 21/39 W	G5	9.4 kg	74°	105°



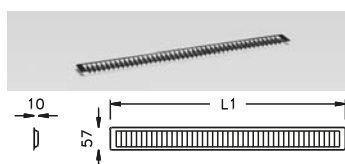
Upline linear, asymmetrical wide beam, L1 = 1235 mm, L2 = 1295 mm

Part number	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 611 242 009	T16 28/54 W	G5	11.7 kg	74°	105°



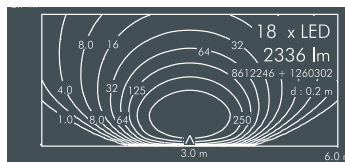
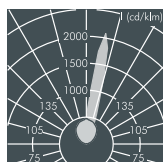
Upline linear, asymmetrical wide beam, L1 = 1535 mm, L2 = 1595 mm

Part number	Lamp	Lampholder	Weight	Beam angle γ (FWHM)	
				C 0 - 180	C 90 - 270
8 611 343 009	T16 35/49/80 W	G5	14 kg	74°	105°



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 185)





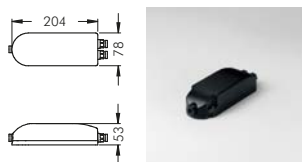
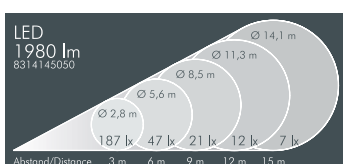
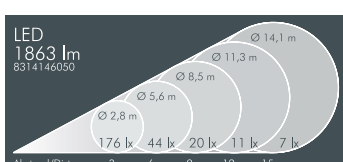
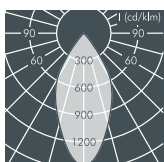
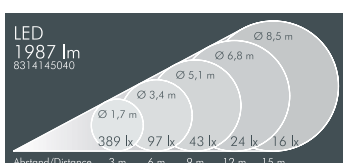
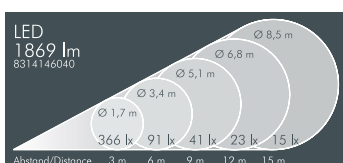
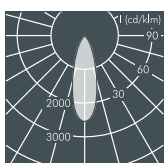
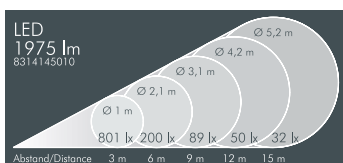
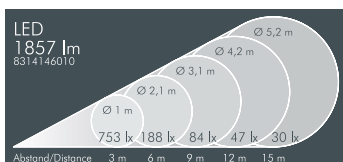
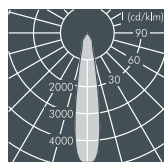
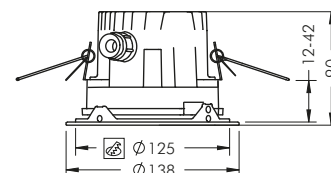
The range of ceiling mount recessed downlights is characterised by extremely compact dimensions and high efficiency of the LED module and reflector. The unobtrusive luminaires create high lux levels in entrance areas and under canopies. A very small recess depth is achieved by the shallow luminaire housing 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 1 x high performance LED module,
 CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L80/B20 > 50 000 h
 protection class III ⚡, IP65 ⚡⚡⚡, IK08
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 rotationally symmetrical aluminium reflector,
 all exterior steel parts are stainless steel,
 tempered safety glass, silicon gasket,
 trim ring with bayonet lock, luminaire fixed using
 stainless steel spring loaded clamps,
 clamping range in hollow ceilings 12-42 mm,
 aperture for installation Ø 125 mm,
 luminaire with 1 m cable, without driver,
 remote driver required



Recessed downlight, narrow beam

Part number	Trim ring colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 146 019	black	1 x LED module 19 W	1857 lm	20°
8 314 166 019	white	warm white (3000 K)		
8 314 156 019	silver grey			

Part number	Trim ring colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 145 019	black	1 x LED module 19 W	1975 lm	20°
8 314 165 019	white	neutral white (4000 K)		
8 314 155 019	silver grey			

Recessed downlight, medium wide beam

Part number	Trim ring colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 146 049	black	1 x LED module 19 W	1869 lm	32°
8 314 166 049	white	warm white (3000 K)		
8 314 156 049	silver grey			

Part number	Trim ring colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 145 049	black	1 x LED module 19 W	1987 lm	32°
8 314 165 049	white	neutral white (4000 K)		
8 314 155 049	silver grey			

Recessed downlight, wide beam

Part number	Trim ring colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 146 059	black	1 x LED module 19 W	1863 lm	50°
8 314 166 059	white	warm white (3000 K)		
8 314 156 059	silver grey			

Part number	Trim ring colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 314 145 059	black	1 x LED module 19 W	1980 lm	50°
8 314 165 059	white	neutral white (4000 K)		
8 314 155 059	silver grey			

Accessories recessed downlights

Part number	Description	Weight
113 0 027 000	Power supply with integral constant current LED driver	0.6 kg

LED (see page 185)

Luminaires available in 2700 K or other colour temperatures on request





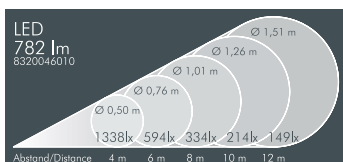
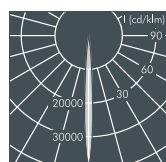
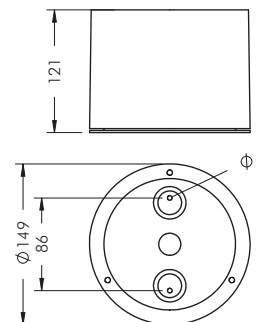
The LED surface mounted downlights are very compact and shallow in design. The precise optics are available with different light distributions. This allows the products to be used for various different lighting applications and at different mounting heights. The housings are neutral in design and have 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.



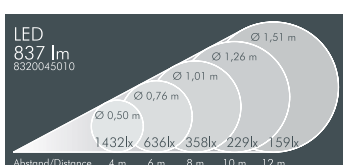
Surface-mounted downlight

With 5 x 2.5 W 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,
 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

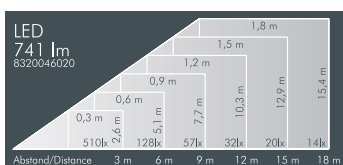
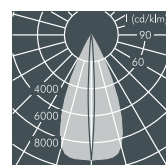


Surface-mounted downlight, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 046 019	black	5 x LED 2.5 W	782 lm	7°
8 320 066 019	white	warm white (3000 K)		
8 320 056 019	silver grey			

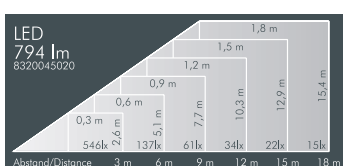
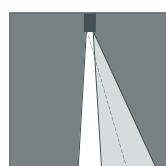


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 045 019	black	5 x LED 2.5 W	837 lm	7°
8 320 065 019	white	neutral white (4000 K)		
8 320 055 019	silver grey			

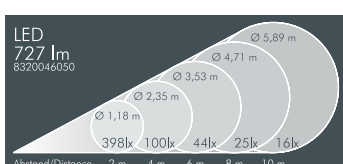
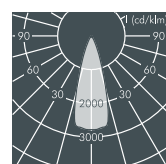


Surface-mounted downlight, linear beam spread

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 046 029	black	5 x LED 2.5 W	741 lm	C 0 - 180
8 320 066 029	white	warm white (3000 K)		C 90 - 270
8 320 056 029	silver grey			6°

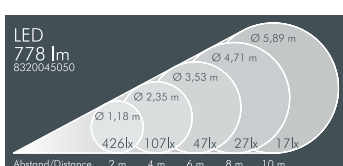


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 045 029	black	5 x LED 2.5 W	794 lm	C 0 - 180
8 320 065 029	white	neutral white (4000 K)		C 90 - 270
8 320 055 029	silver grey			6°



Surface-mounted downlight, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 046 059	black	5 x LED 2.5 W	727 lm	33°
8 320 066 059	white	warm white (3000 K)		
8 320 056 059	silver grey			



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 320 045 059	black	5 x LED 2.5 W	778 lm	33°
8 320 065 059	white	neutral white (4000 K)		
8 320 055 059	silver grey			

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

LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request

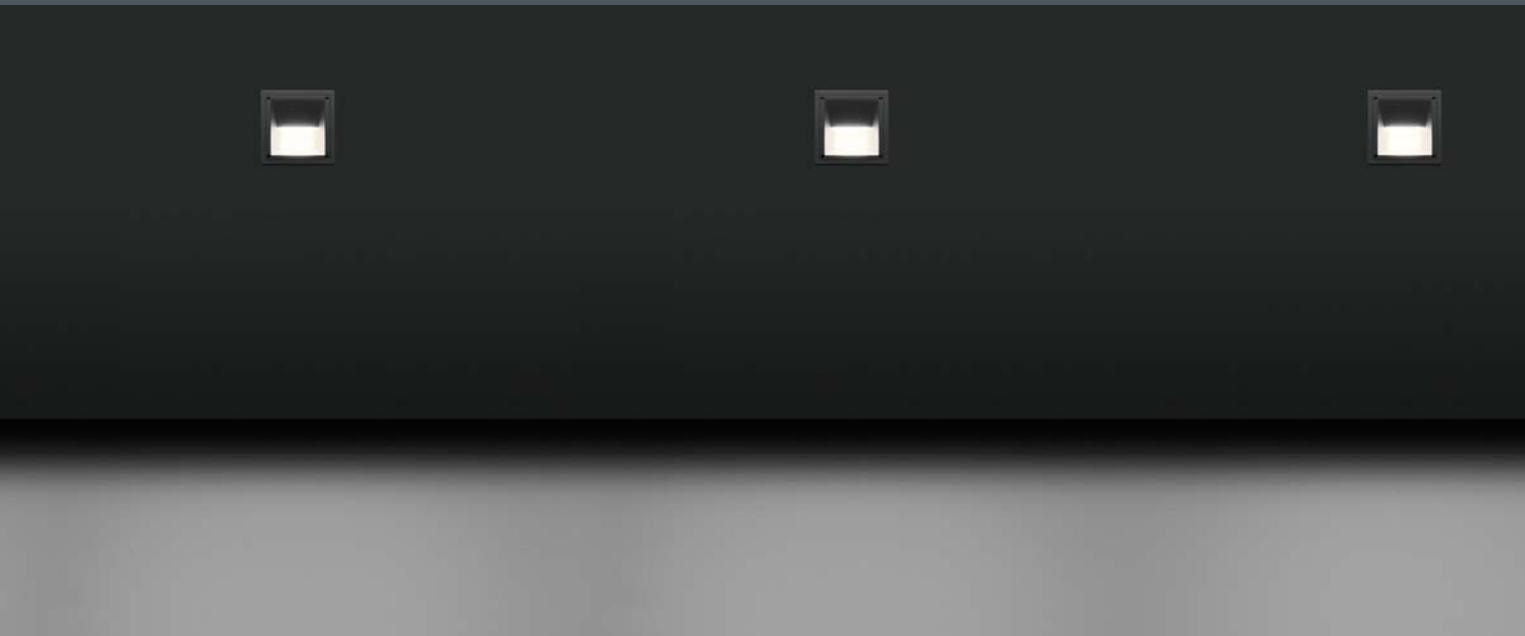




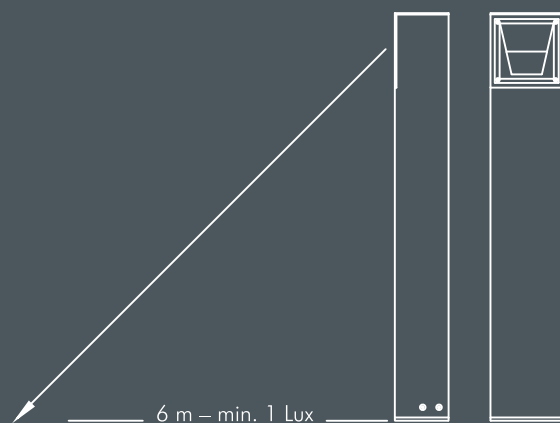
Nightpath is a wall recess and bollard series. The optical system produces an exceptionally wide and uniform light distribution which allows the luminaires to be spaced far apart. The housings are of compact design and offer the advantage of a very shallow recess depth. An impact resistant polycarbonate cover for enhanced protection against vandalism is available as an accessory.



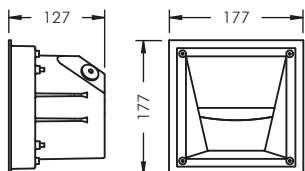
Design: Roy Fleetwood




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.



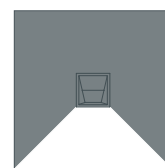
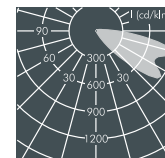
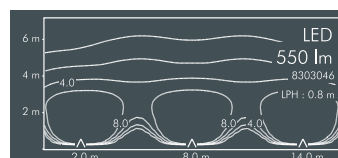
Nightpath wall recessed luminaire

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

Nightpath wall recessed luminaire for installation in cavity walls

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 303 046 009	black	5 x LED 2.5 W	550 lm	88°
8 303 066 009	white	warm white (3000 K)		
8 303 056 009	silver grey			

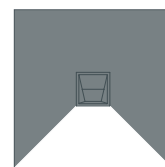
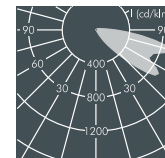
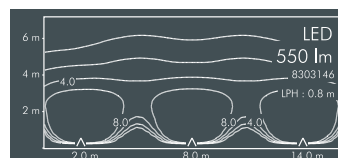
*These luminaires are also available with neutral white LEDs (4000 K) upon request.



Nightpath wall recessed luminaire for installation in concrete walls**

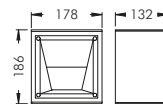
Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 303 146 009	black	5 x LED 2.5 W	550 lm	88°
8 303 166 009	white	warm white (3000 K)		
8 303 156 009	silver grey			

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



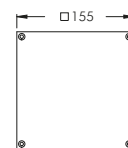
Nightpath wall recessed luminaire for surface mounting

Part number	Description
. . . . 2	Luminaire for surface mounting, with aluminium housing

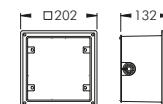


Accessories Nightpath wall recessed luminaires

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



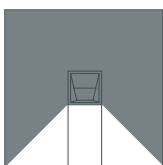
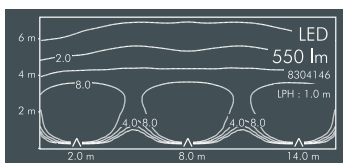
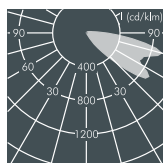
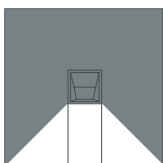
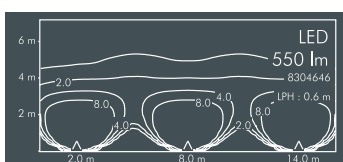
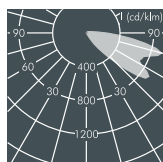
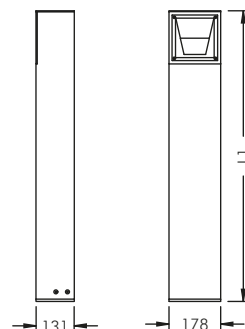
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on 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



Nightpath bollard, height 600 mm

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 304 646 009	black	5 x LED 2.5 W	550 lm	88°
8 304 666 009	white	warm white (3000 K)		
8 304 656 009	silver grey			

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

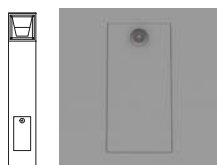
Nightpath bollard, height 1000 mm

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 304 146 009	black	5 x LED 2.5 W	550 lm	88°
8 304 166 009	white	warm white (3000 K)		
8 304 156 009	silver grey			

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

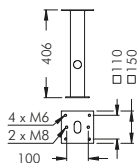
Nightpath bollard with door and connection box

Part number	Description
. 1.	Luminaire with door and connection box

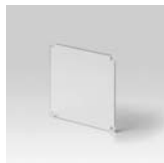
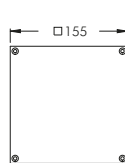


Accessories Nightpath bollard

Part number	Description
128 0 346 000	Buried extension piece, steel, hot dip galvanised



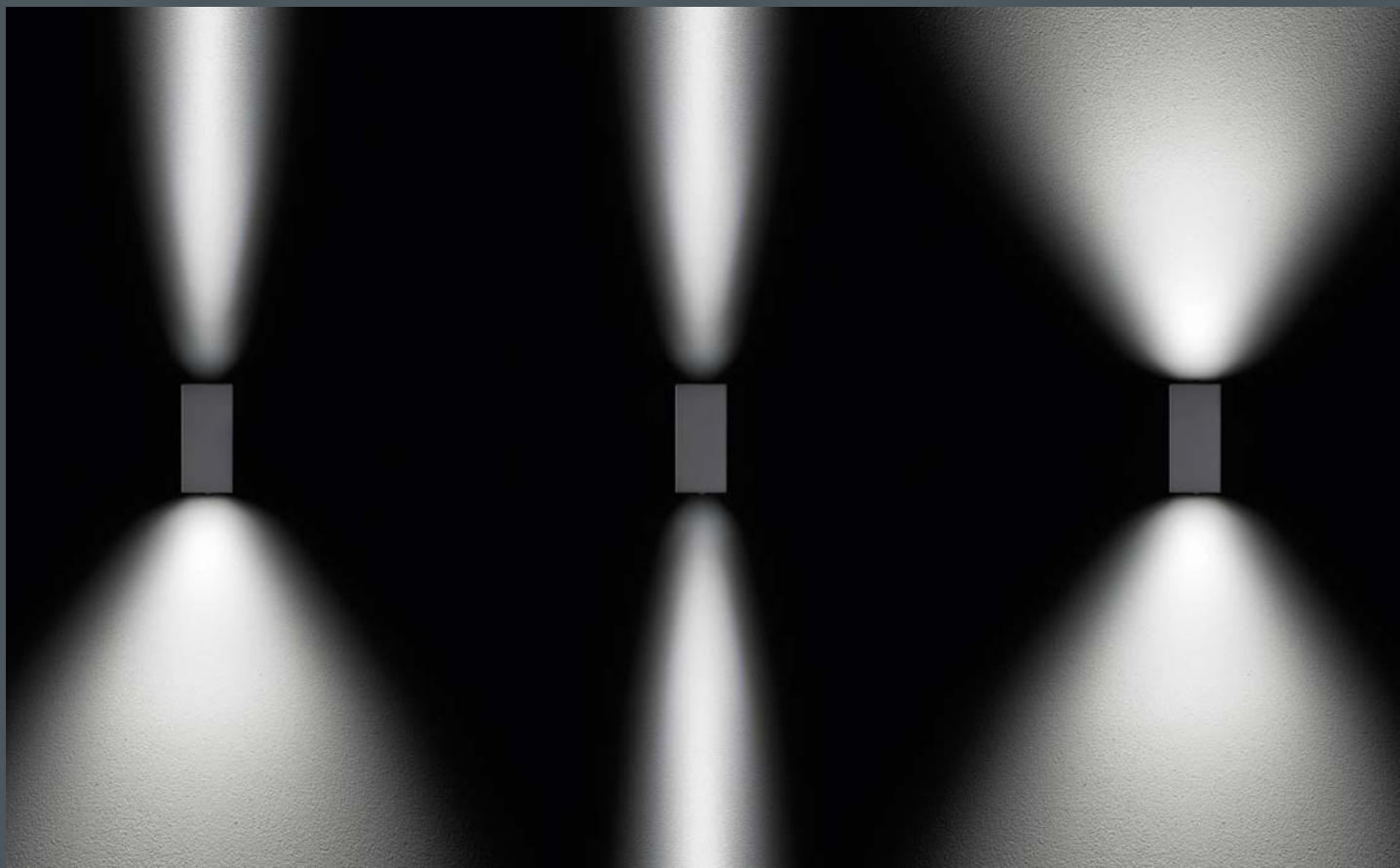
Part number	Description
123 0 270 000	Polycarbonate cover, for protection against vandalism, for flush mounting in luminaire housing (IK10)



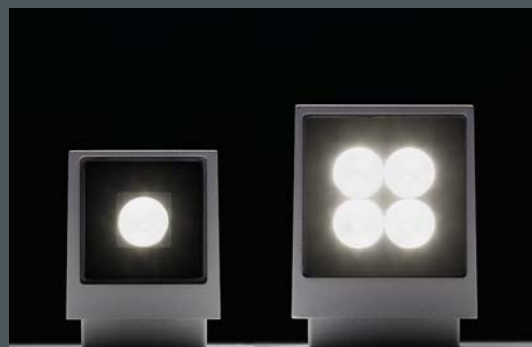
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request





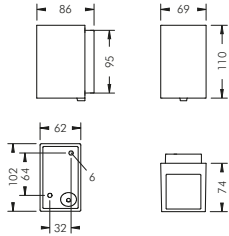
Gemini is a range of up/down wall luminaires. The LED optics are available in narrow or wide beam distribution and can be combined with one another. Thanks to their sleek design and compact dimensions, these luminaires lend themselves well to being integrated into modern or historical architecture. They 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.



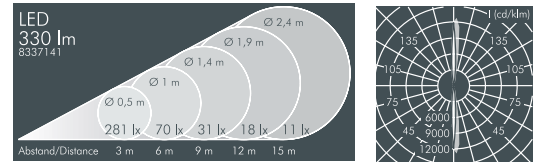


Gemini 1

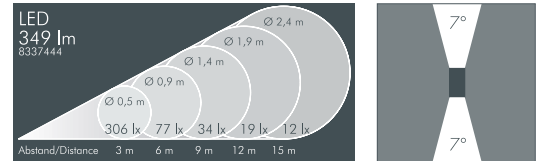
2 x 2.5 W high performance LEDs,
thermal monitoring device,
CRI: > 80, Colour tolerance: max. 2 SDCM
Service life: L90/B10 > 50 000 h
protection class I, IP65 ⚡⚠⚠
corrosion-resistant die cast aluminium housing AlSi12,
polyester powder coated,
all exterior steel parts are stainless steel,
tempered, high 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	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 337 141 009	black	2 x LED 2.5 W warm white (3000 K)	330 lm	7°	7°
8 337 161 009	white				
8 337 151 009	silver grey				

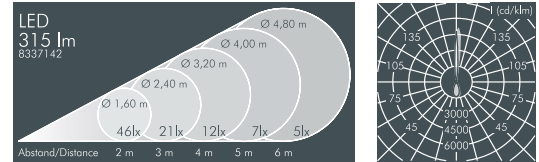


Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 337 444 009	black	2 x LED 2.5 W neutral white (4000 K)	349 lm	7°	7°
8 337 464 009	white				
8 337 454 009	silver grey				

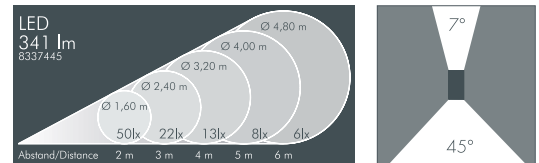


Gemini 1, narrow/wide beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 337 142 009	black	2 x LED 2.5 W warm white (3000 K)	315 lm	7°	45°
8 337 162 009	white				
8 337 152 009	silver grey				

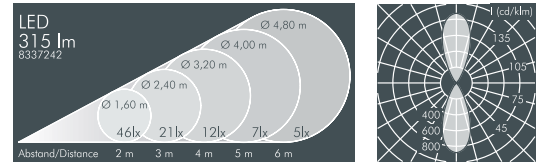


Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 337 445 009	black	2 x LED 2.5 W neutral white (4000 K)	341 lm	7°	45°
8 337 465 009	white				
8 337 455 009	silver grey				

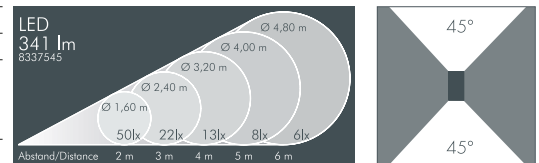


Gemini 1, wide beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 337 242 009	black	2 x LED 2.5 W warm white (3000 K)	315 lm	45°	45°
8 337 262 009	white				
8 337 252 009	silver grey				



Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 337 545 009	black	2 x LED 2.5 W neutral white (4000 K)	341 lm	45°	45°
8 337 565 009	white				
8 337 555 009	silver grey				




*Also available as up- or downlight only.

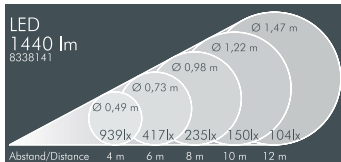
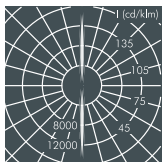
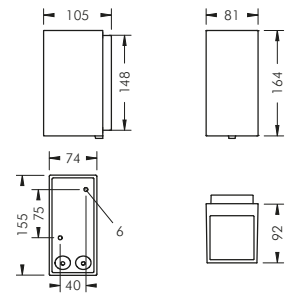
LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request



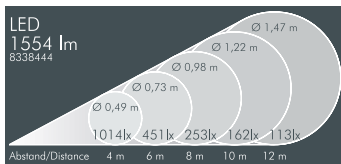
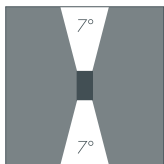
Gemini 2

8 x 2.5 W 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
 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)

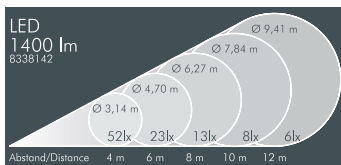
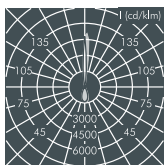


Gemini 2, narrow beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 338 141 009	black	8 x LED 2.5 W	1440 lm	7°	7°
8 338 161 009	white	warm white (3000 K)			
8 338 151 009	silver grey				

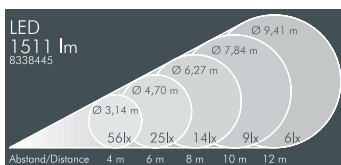
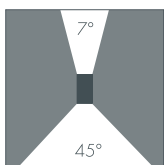


Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 338 444 009	black	8 x LED 2.5 W	1554 lm	7°	7°
8 338 464 009	white	neutral white (4000 K)			
8 338 454 009	silver grey				

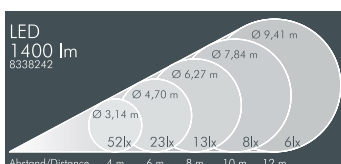
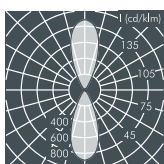


Gemini 2, narrow/wide beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 338 142 009	black	8 x LED 2.5 W	1400 lm	7°	45°
8 338 162 009	white	warm white (3000 K)			
8 338 152 009	silver grey				

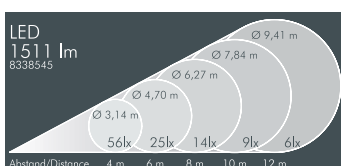
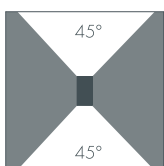


Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 338 445 009	black	8 x LED 2.5 W	1511 lm	7°	45°
8 338 465 009	white	neutral white (4000 K)			
8 338 455 009	silver grey				



Gemini 2, wide beam

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 338 242 009	black	8 x LED 2.5 W	1400 lm	45°	45°
8 338 262 009	white	warm white (3000 K)			
8 338 252 009	silver grey				



Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
				up	down
8 338 545 009	black	8 x LED 2.5 W	1511 lm	45°	45°
8 338 565 009	white	neutral white (4000 K)			
8 338 555 009	silver grey				

Part number*	Description
8 338 .. 8 ...	Luminaire with asymmetrical light distribution downwards

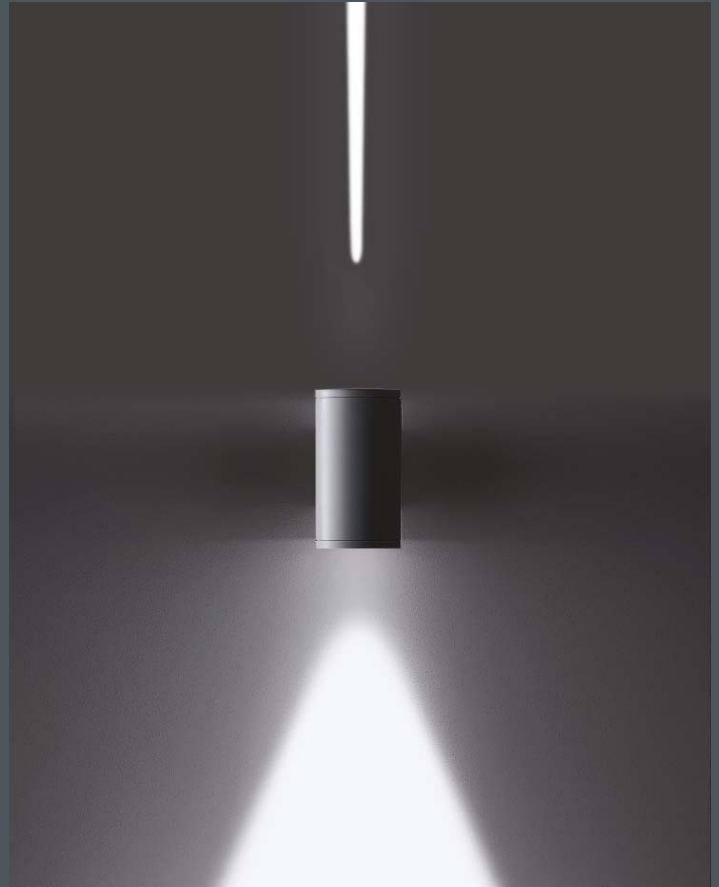
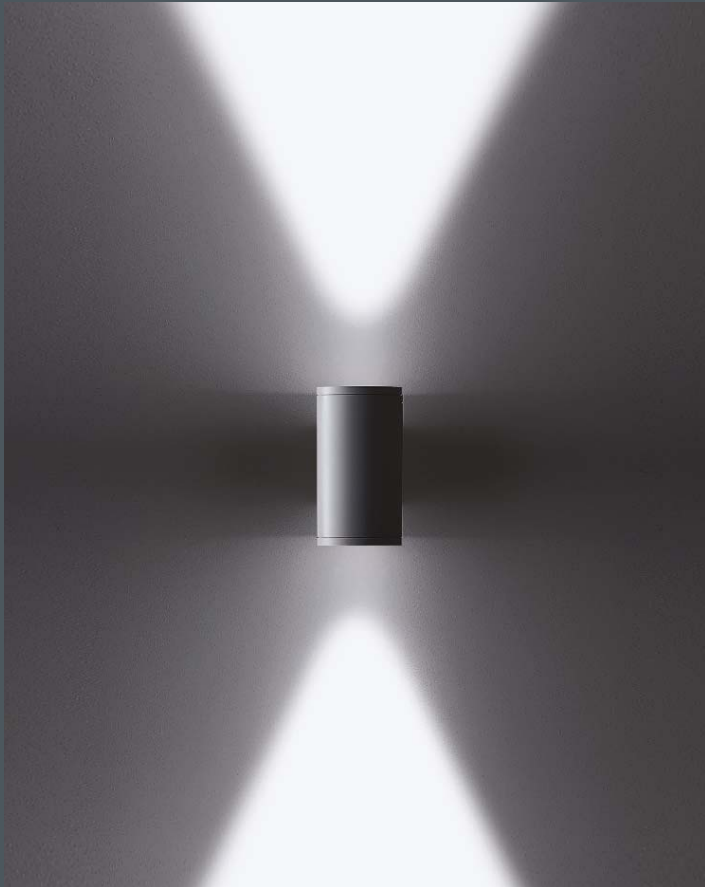
Part number*	Description
... .. 2 ..	Dimmable version (1-10 V)

*On request the luminaires are available as up or downlight only and with additional light distributions.

LED (see page 185)

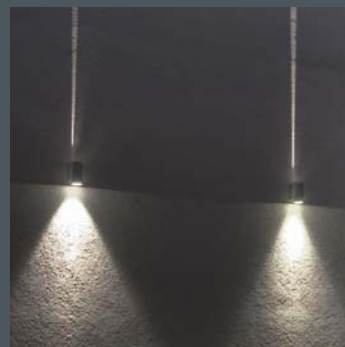
Luminaires available in 2700 K and other colour temperatures on request






The Twin EL series is equipped with 2 reflectors which produce a conical light beam up and down. Alternatively these luminaires can be supplied with a single reflector and a lense system for creating light band effects. LED luminaires are available with optics for various different light distributions which can be combined with each other.

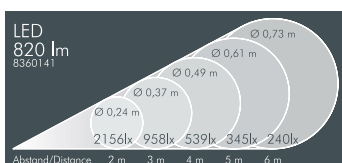
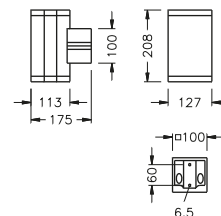
Sharp-edged light band effects (which may be coloured if required) created by the lense system (only for Twin EL C, the brightness depends on the reflective characteristics of the façade).



Twin EL makes various lighting effects possible: depending on the texture and the reflection characteristics of the façade, either luminaires with a double reflector or those with a pencil beam on the upper side can be used. The appearance of a building at night can be substantially enhanced by using these products.

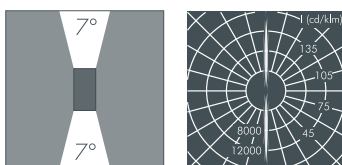
Twin EL A

With high performance LEDs,
 CRI: > 80, Colour tolerance: max. 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP44 
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 all exterior steel parts are stainless steel,
 tempered safety glasses, silicon gasket,
 closure with 4 stainless steel screws, wall box:
 2 drilled holes Ø 6.5 mm, spacing 60 mm,
 2 cable entries up to Ø 12 mm,
 for recessed or surface mounted cable,
 for vertical installation only,
 integral driver (AC/DC)

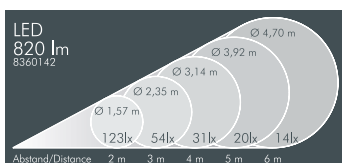


Twin EL A, narrow beam

Part number	Colour	Light source	Luminous flux	Optics	Beam angle γ (FWHM)	
					up	down
8 360 141 009	black	8 x LED 1.5 W warm white (3000 K)	820 lm	narrow beam up narrow beam down	7°	7°
8 360 161 009	white					
8 360 151 009	silver grey					

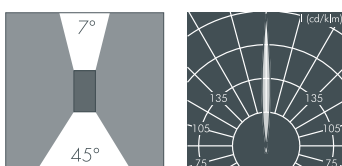


Part number	Colour	Light source	Luminous flux	Optics	Beam angle γ (FWHM)	
					up	down
8 360 747 009	black	8 x LED 1.5 W neutral white (4000 K)	861 lm	narrow beam up narrow beam down	7°	7°
8 360 767 009	white					
8 360 757 009	silver grey					



Twin EL A, narrow/wide beam

Part number	Colour	Light source	Luminous flux	Optics	Beam angle γ (FWHM)	
					up	down
8 360 142 009	black	8 x LED 1.5 W warm white (3000 K)	820 lm	narrow beam up wide beam down	7°	45°
8 360 162 009	white					
8 360 152 009	silver grey					

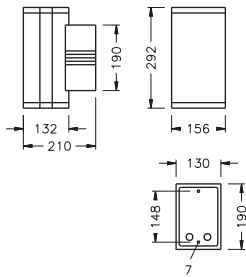


Part number	Colour	Light source	Luminous flux	Optics	Beam angle γ (FWHM)	
					up	down
8 360 748 009	black	8 x LED 1.5 W neutralweiß (4000 K)	861 lm	narrow beam up wide beam down	7°	45°
8 360 768 009	white					
8 360 758 009	silver grey					

LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on request





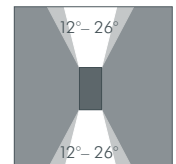
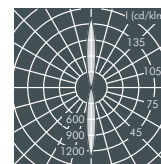
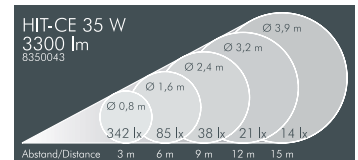
Twin EL C

For ceramic metal halide lamps (HIT-CE) protection class I, IP44 ▲ corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, aluminium double reflector (adjustable lampholder) or single reflector with lense (adjustable), all exterior steel parts are stainless steel, tempered safety glasses, silicon gasket, closure with 4 stainless steel screws, wall box: 2 drilled holes Ø 7 mm, spacing 148 mm, 2 cable entries up to Ø 12 mm, for recessed or surface mounted cable, for vertical installation only, integral LPF ballast and ignitor, HPF available on request (see page 184), supplied without lamp

Twin EL C with double reflector

Part number*	Colour	Lamp	Lampholder	Weight	Optics	Beam angle γ (FWHM)	
						Reflector	Lense
8 350 043 009	black	HIT-CE 35 W	G12	4.8 kg	double reflector	12° - 26°	-
8 350 063 009	white						
8 350 053 009	silver grey						
8 355 045 009	black	HIT-CE 70 W		5.1 kg			
8 355 065 009	white						
8 355 055 009	silver grey						

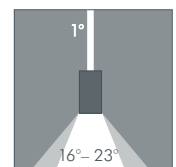
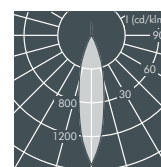
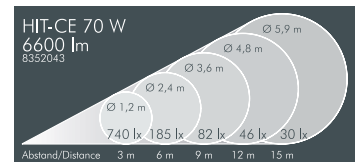
*Also available as up or downlight only.

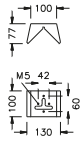


Twin EL C with lense and reflector

Part number*	Colour	Lamp	Lampholder	Weight	Optics	Beam angle γ (FWHM)	
						Reflector	Lense
8 352 043 009	black	HIT-CE 35 W	G12	4.8 kg	lense up, reflector down	16° - 23°	1°
8 352 063 009	white						
8 352 053 009	silver grey						
8 357 045 009	black	HIT-CE 70 W		5.1 kg			
8 357 065 009	white						
8 357 055 009	silver grey						

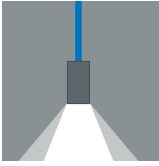
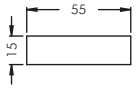
*Also available as up or downlight only.





Accessories Twin EL A

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	





Accessories Twin EL C

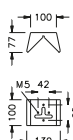
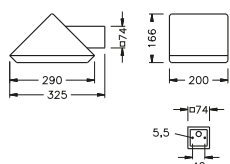
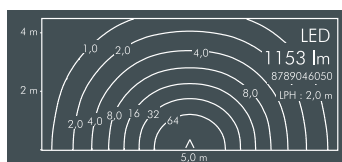
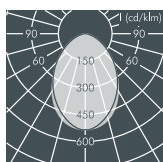
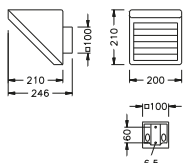
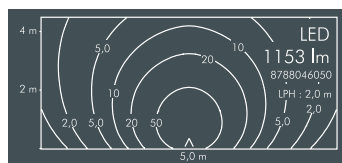
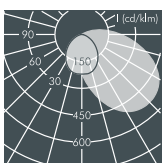
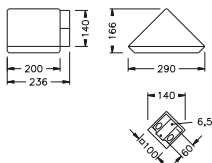
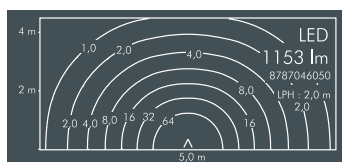
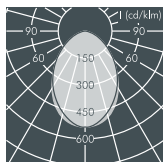
Part number	Colour	Description
123 0 201 910	yellow	Dichroic glass colour filters , to create coloured light band effects, for retro-fitting
123 0 201 970	red	
123 0 201 930	blue	
123 0 201 980	green	



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
 corrosion-resistant die cast aluminium housing AISi12,
 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 787 046 059	black	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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 788 046 059	black	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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 789 046 059	black	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

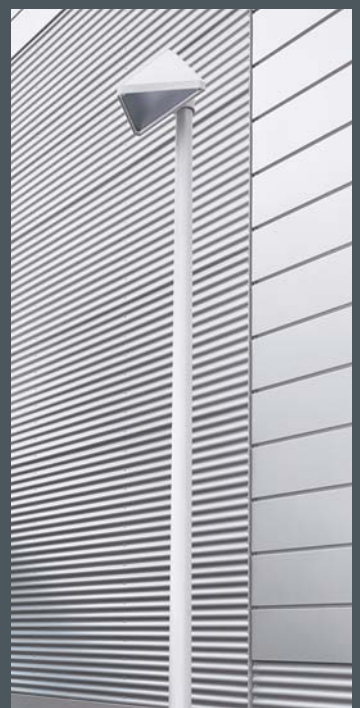
Part number	Colour	Description
127 0 098 940	black	Corner fixing bracket , aluminium, polyester powder coated, for mounting floodlights on 90° corners
127 0 098 960	white	
127 0 098 950	silver grey	







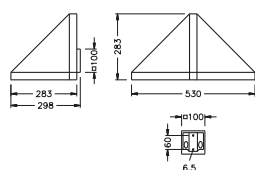
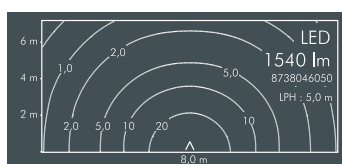
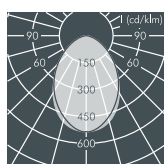
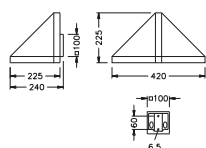
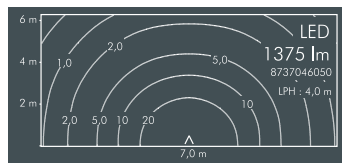
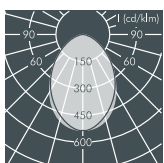
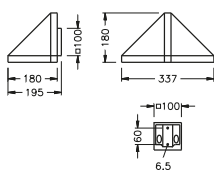
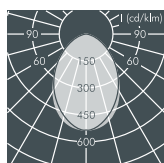
The Facette series is available in 3 sizes for LED, with wide beam light distribution. Uniform illumination of façades and adjacent ground areas is possible from various different mounting heights.

Facette B and C with more powerful LEDs can also be used for pole mounting.



Facette

With high performance LED module,
 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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 736 046 059	black	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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 737 046 059	black	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	Light source	Luminous flux	Beam angle γ (FWHM)	
8 738 046 059	black	2 x LED module 14 W warm white (3000 K)	1540 lm	C 0 - 180	C 90 - 270
8 738 066 059	white			80°	80°
8 738 056 059	silver grey				

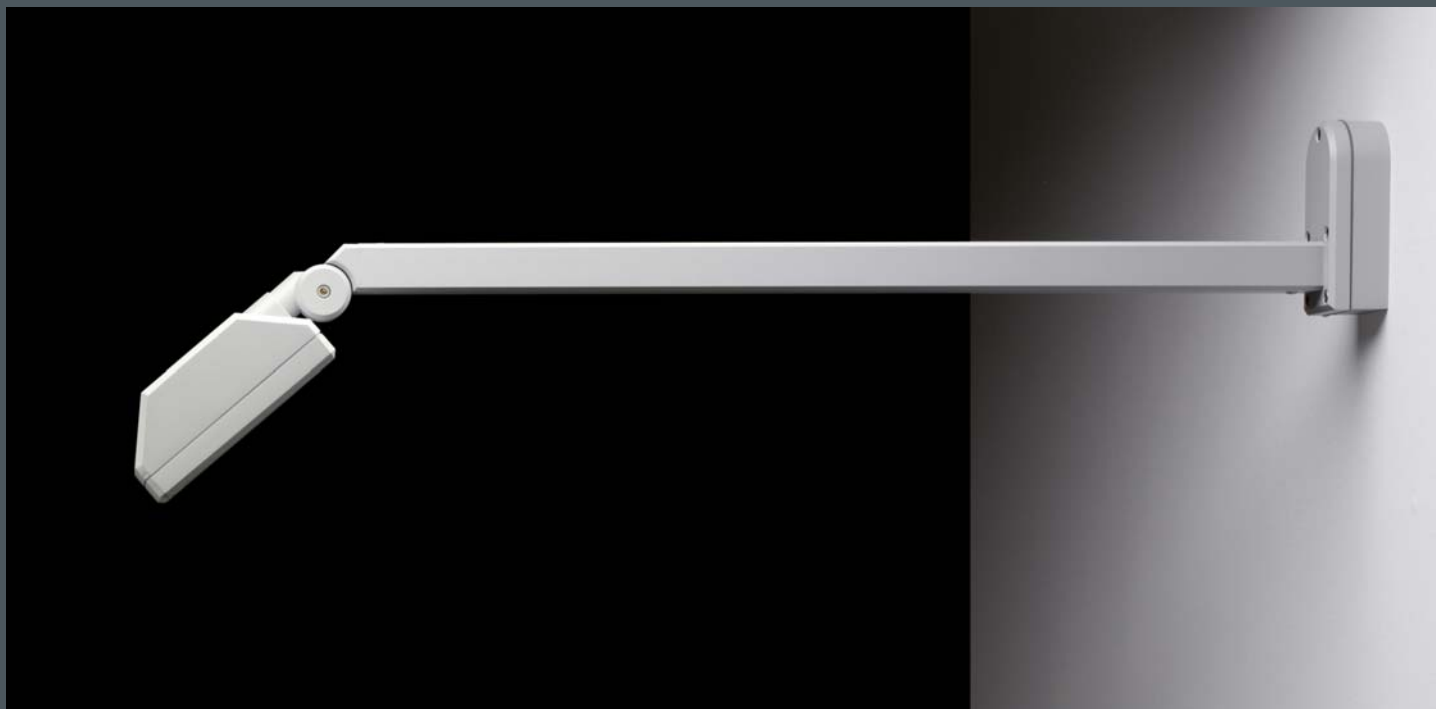
Part number	Description
..... 1 ..	Dimmable luminaire (DALI)
..... 2 ..	Dimmable luminaire (1-10 V)

* 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	







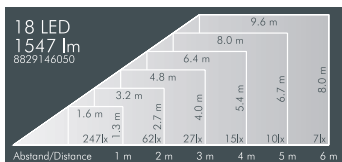
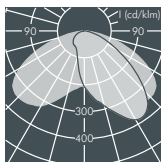
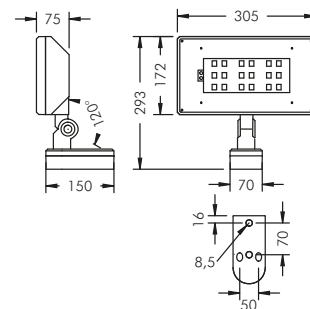
Superlight is a tried and tested luminaire series for LEDs and offers an economical solution for uniform illumination of entrances, façades and canopies. The robust knuckle joints allow for flexible orientation of the fixtures.



The versions with wall arm are useful products for sign lighting.

Superlight with wall box and joint

With 18 x 1.5 high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP54   corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 4 stainless steel screws, wall box: 2 drilled holes Ø 8.5 mm, spacing 70 mm, knuckle joint adjustable 120°, cable entry: recessed or surface mounted cable, cable entry up to Ø 10 mm, integral driver (AC/DC)





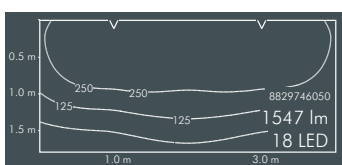
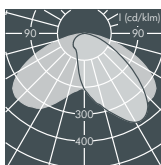
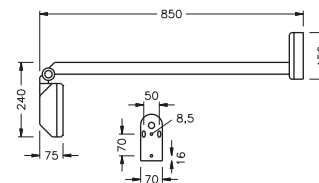
Superlight with wall box and joint

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 829 146 059	black	18 x LED 1.5 W	1547 lm	C 0 – 180	C 90 – 270
8 829 166 059	white	warm white (3000 K)		57°	138°
8 829 156 059	silver grey				

*The luminaires are also available with neutral white LEDs (4300 K) upon request.

Superlight with wall arm and joint

With 18 x 1.5 high performance LEDs, integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP54   corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 4 stainless steel screws, wall box: 2 drilled holes Ø 8.5 mm, spacing 70 mm, aluminium wall arm overall length 0.75 m, recessed or surface mounted cable, cable entry up to Ø 10 mm, integral driver (AC/DC)



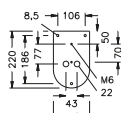
Superlight with wall arm and joint

Part number*	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 829 746 059	black	18 x LED 1.5 W	1547 lm	C 0 – 180	C 90 – 270
8 829 766 059	white	warm white (3000 K)		57°	138°
8 829 756 059	silver grey				

*The luminaires are also available with neutral white LEDs (4300 K) upon request.

Accessories Superlight

Part number	Colour	Description
128 0 231 940	black	Wall plate A (U-shaped) , aluminium, polyester powder coated, for extra support on unstable surfaces
128 0 231 960	white	
128 0 231 950	silver grey	



LED (see page 185)

Luminaires available in 2700 K and other colour temperatures on 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.

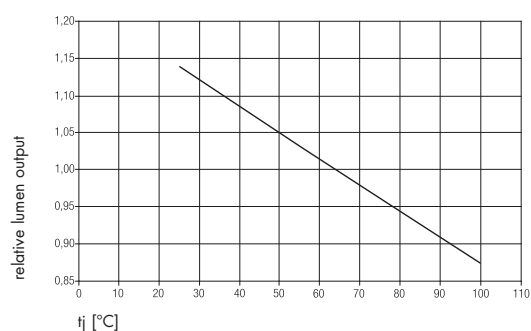
Zhaga is a consortium which is developing specifications that enable the interchangeability of LED light sources made by multiple different manufacturers. The standardization covers the fixing points, lumen packages and colour temperatures.

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.

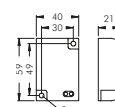
Overvoltage / surge protection

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
113		122 0 294 940	121	126 0 284 940	153	128 0 232 950	131
113 0 027 000	163	122 0 294 950	121	126 0 295 000	153	128 0 232 960	131
119		122 0 294 960	121	126 0 300 000	161	128 0 235 000	57
119 0 031 940	101, 112	122 0 354 940	131, 135	126 0 301 000	161	128 0 235 940	57
119 0 031 950	101, 112	122 0 354 950	131, 135	126 0 302 000	161	128 0 235 950	57
119 0 031 960	101, 112	122 0 354 960	131, 135	126 0 338 000	147	128 0 235 960	57
119 0 032 940	101, 112	123		126 0 338 060	147	128 0 287 000	70, 131
119 0 032 950	101, 112	123 0 201 910	177	126 0 339 940	147	128 0 287 940	70, 131
119 0 032 960	101, 112	123 0 201 930	177	126 0 340 000	147	128 0 287 950	131
119 0 033 940	112	123 0 201 970	177	126 0 341 000	149	128 0 287 960	131
119 0 033 950	112	123 0 201 980	177	126 0 341 060	149	128 0 294 940	56, 77
119 0 033 960	112	123 0 252 000	168	126 0 342 940	149	128 0 294 950	56, 77
119 0 034 940	112	123 0 270 000	168, 169	126 0 343 000	149	128 0 294 960	56, 77
119 0 034 950	112	123 0 367 940	10	126 0 350 940	156	128 0 310 940	71
119 0 034 960	112	123 0 367 950	10	126 0 351 940	147	128 0 311 940	71
120		123 0 367 960	10	126 0 352 940	149	128 0 346 000	169
120 0 086 000	184	123 0 370 000	10	126 0 441 000	153	128 0 352 940	56
120 0 089 000	184	125		126 0 443 000	153	128 0 352 950	56
120 0 091 000	184	125 0 145 000	77	126 0 447 000	153	128 0 352 960	56
120 0 093 000	184	125 0 146 000	77	126 0 448 000	153	128 0 368 940	57
120 0 094 000	184	125 0 160 940	46, 56, 77	127		128 0 368 950	57
120 0 240 940	70, 77, 131	125 0 160 950	46, 56, 77	127 0 081 940	135	128 0 368 960	57
120 0 240 950	77, 131	125 0 160 960	46, 56, 77	127 0 081 950	135	128 0 370 000	55
120 0 240 960	77, 131	125 0 171 000	76	127 0 081 960	135	128 0 431 940	57
120 0 256 000	184	125 0 177 000	76	127 0 082 940	135	128 0 431 950	57
120 0 533 000	185	125 0 183 000	77	127 0 082 950	135	128 0 431 960	57
122		125 0 183 940	77	127 0 082 960	135	128 0 552 000	70, 131
122 0 066 940	131	125 0 183 960	77	127 0 098 940	177, 179, 181	128 0 552 940	70, 131
122 0 066 950	131	125 0 184 000	77	127 0 098 950	177, 179, 181	128 0 552 950	131
122 0 066 960	131	125 0 184 940	77	127 0 098 960	177, 179, 181	128 0 552 960	131
122 0 134 940	135	125 0 184 960	77	127 0 181 940	135	128 0 565 000	52
122 0 134 950	135	125 0 197 940	56, 77	127 0 181 950	135	128 0 566 000	52
122 0 134 960	135	125 0 197 950	56, 77	127 0 181 960	135	128 0 585 000	55
122 0 140 940	71	125 0 197 960	56, 77	127 0 182 940	135	128 0 588 940	46
122 0 150 940	71	126		127 0 182 950	135	128 0 588 950	46
122 0 207 940	127	126 0 120 940	153	127 0 182 960	135	128 0 588 960	46
122 0 207 950	127	126 0 122 000	153	127 0 189 000	41, 46	128 0 589 940	46
122 0 207 960	127	126 0 124 000	153	127 0 299 940	18	128 0 589 950	46
122 0 208 940	127	126 0 129 940	161	127 0 299 950	18	128 0 589 960	46
122 0 208 950	127	126 0 130 940	161	127 0 299 960	18	128 0 622 940	57
122 0 208 960	127	126 0 131 940	161	127 0 300 940	18	128 0 622 950	57
122 0 209 940	127	126 0 132 940	161	127 0 300 950	18	128 0 622 960	57
122 0 209 950	127	126 0 160 000	153	127 0 300 960	18	128 0 625 940	56
122 0 209 960	127	126 0 160 060	153	127 0 301 940	18	128 0 625 950	56
122 0 217 940	127	126 0 165 000	142	127 0 301 950	18	128 0 625 960	56
122 0 217 950	127	126 0 167 940	142	127 0 301 960	18	128 0 626 940	101, 112
122 0 217 960	127	126 0 198 000	142	127 0 302 940	18	128 0 626 950	101, 112
122 0 218 940	127	126 0 198 060	142	127 0 302 950	18	128 0 626 960	101, 112
122 0 218 950	127	126 0 201 000	142	127 0 302 960	18	128 0 640 940	46
122 0 218 960	127	126 0 203 000	142	127 0 332 940	18	128 0 640 950	46
122 0 281 940	120	126 0 204 000	142	127 0 332 950	18	128 0 640 960	46
122 0 281 950	120	126 0 205 000	142	127 0 332 960	18	128 0 641 940	46
122 0 281 960	120	126 0 205 060	142	127 0 333 940	18	128 0 641 950	46
122 0 282 940	120	126 0 207 000	142	127 0 333 950	18	128 0 641 960	46
122 0 282 950	120	126 0 208 000	142	127 0 333 960	18	128 0 653 940	33
122 0 282 960	120	126 0 212 000	153	128		128 0 653 950	33
122 0 283 940	122	126 0 232 000	145	128 0 031 940	56	128 0 653 960	33
122 0 283 950	122	126 0 232 060	145	128 0 031 950	56	128 0 664 940	35
122 0 283 960	122	126 0 238 000	153	128 0 031 960	56	128 0 664 950	35
122 0 284 940	122	126 0 239 940	145	128 0 032 940	70	128 0 664 960	35
122 0 284 950	122	126 0 240 000	145	128 0 033 940	57	128 0 679 940	37
122 0 284 960	122	126 0 241 000	145	128 0 033 950	57	128 0 679 950	37
122 0 285 940	123	126 0 243 000	145	128 0 033 960	57	128 0 679 960	37
122 0 285 950	123	126 0 247 000	145	128 0 034 940	70	128 0 700 940	39, 41, 46, 56
122 0 285 960	123	126 0 248 000	145	128 0 035 940	56	128 0 700 950	39, 41, 46, 56
122 0 291 940	121	126 0 249 000	145	128 0 035 950	56	128 0 700 960	39, 41, 46, 56
122 0 291 950	121	126 0 250 000	153	128 0 035 960	56	128 0 730 940	39, 41, 46, 56
122 0 291 960	121	126 0 250 060	153	128 0 086 940	126, 131	128 0 730 950	39, 41, 46, 56
122 0 292 940	121	126 0 251 000	153	128 0 086 950	126, 131	128 0 730 960	39, 41, 46, 56
122 0 292 950	121	126 0 253 000	153	128 0 086 960	126, 131	128 0 738 940	33, 35, 37
122 0 292 960	121	126 0 255 000	153	128 0 231 940	183	128 0 738 950	33, 35, 37
122 0 293 940	121	126 0 257 000	153	128 0 231 950	183	128 0 738 960	33, 35, 37
122 0 293 950	121	126 0 258 000	153	128 0 231 960	183	128 0 739 940	33, 35, 37
122 0 293 960	121	126 0 259 000	153	128 0 232 940	70, 131	128 0 739 950	33, 35, 37

Ref. No.	Page	Ref. No.	Page	Ref. No.	Page	Ref. No.	Page
128 0 739 960	33, 35, 37	128 0 827 940	50	129 0 587 000	111	8 280 045 059	126
128 0 751 940	33	128 0 891 000	57	129 0 588 000	111	8 280 046 049	126
128 0 751 941	33	128 0 893 000	57	129 0 591 940	111	8 280 046 059	126
128 0 751 950	33	128 0 897 000	57	129 0 591 950	111	8 280 055 049	126
128 0 751 951	33	128 0 898 000	57	129 0 591 960	111	8 280 055 059	126
128 0 751 960	33	128 0 908 000	67	129 0 602 940	83	8 280 056 049	126
128 0 751 961	33	128 0 909 940	67	129 0 602 941	83	8 280 056 059	126
128 0 752 941	35	128 0 909 950	67	129 0 602 950	83	8 280 065 049	126
128 0 752 951	35	128 0 909 960	67	129 0 602 951	83	8 280 065 059	126
128 0 752 961	35	128 0 910 000	67	129 0 602 960	83	8 280 066 049	126
128 0 753 941	37	129		129 0 602 961	83	8 280 066 059	126
128 0 753 951	37	129 0 257 000	101, 111	129 0 627 000	113	8 280 145 049	127
128 0 753 961	37	129 0 270 000	113	129 0 647 000	113	8 280 145 059	127
128 0 760 940	33, 35, 37, 39, 41, 46, 57, 81, 83	129 0 272 000	113	129 0 653 000	113	8 280 146 049	127
128 0 760 950	33, 35, 37, 39, 41, 46, 57, 81, 83	129 0 274 000	94, 95, 105, 113	129 0 660 000	113	8 280 146 059	127
128 0 760 960	33, 35, 37, 39, 41, 46, 57, 81, 83	129 0 280 000	113	129 0 681 000	111	8 280 155 049	127
128 0 761 940	33	129 0 282 000	113	129 0 683 000	111	8 280 155 059	127
128 0 761 950	33	129 0 284 000	102, 103 110, 113	129 0 687 000	111	8 280 156 049	127
128 0 761 960	33	129 0 297 000	113	129 0 688 000	111	8 280 156 059	127
128 0 762 940	35	129 0 298 000	113	129 0 691 000	111	8 280 165 049	127
128 0 762 950	35	129 0 320 940	111	129 0 693 000	111	8 280 165 059	127
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128 0 763 960	37	129 0 321 950	111	129 0 703 000	111	8 284 045 059	129
128 0 792 940	67	129 0 321 960	111	129 0 707 000	111	8 284 055 059	129
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128 0 792 960	67	129 0 340 940	111	135		8 284 145 059	133
128 0 793 940	67	129 0 340 950	111	135 0 412 000	76	8 284 155 059	133
128 0 793 950	67	129 0 340 960	111	135 0 427 000	77	8 284 165 059	133
128 0 793 960	67	129 0 390 940	46, 56, 77, 113	135 0 427 940	77	8 284 345 059	136
128 0 794 940	67	129 0 390 950	46, 56, 113	135 0 427 960	77	8 284 355 059	136
128 0 794 950	67	129 0 390 960	46, 56, 113	226		8 284 365 059	136
128 0 794 960	67	129 0 399 940	88	226 0 161 000	142, 145, 147, 149, 153, 156, 157	8 284 445 059	137
128 0 797 940	67	129 0 399 950	88	232		8 284 455 059	137
128 0 797 950	67	129 0 399 960	88	232 0 150 000	131, 135	8 284 465 059	137
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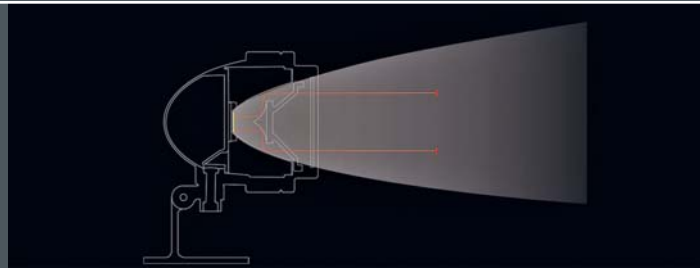
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Internet



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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