



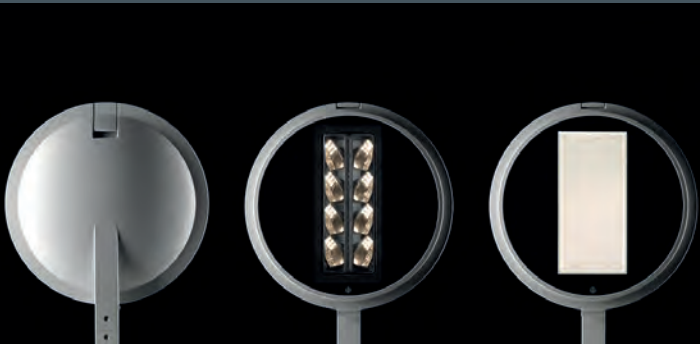
New Products 2014



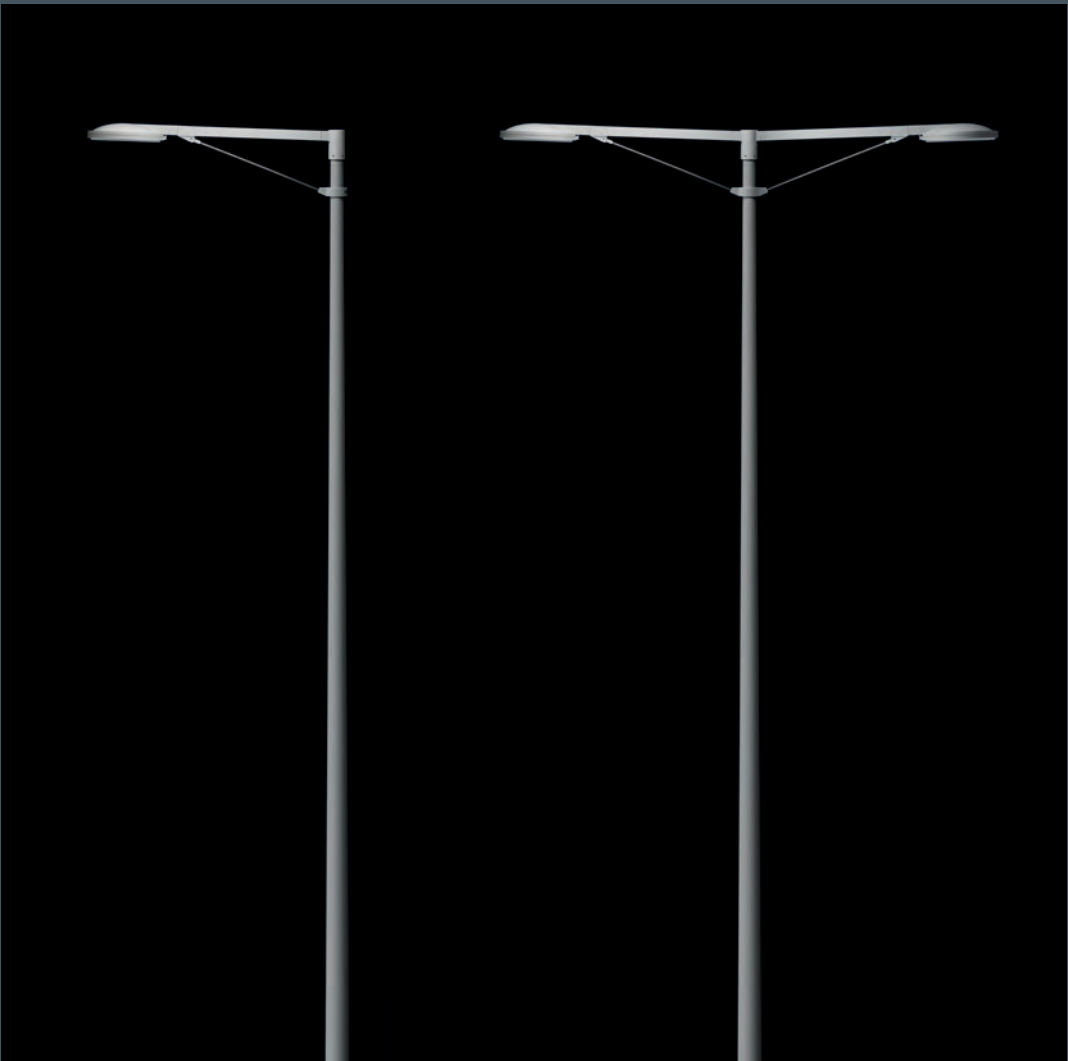
Design: Roy Fleetwood

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.



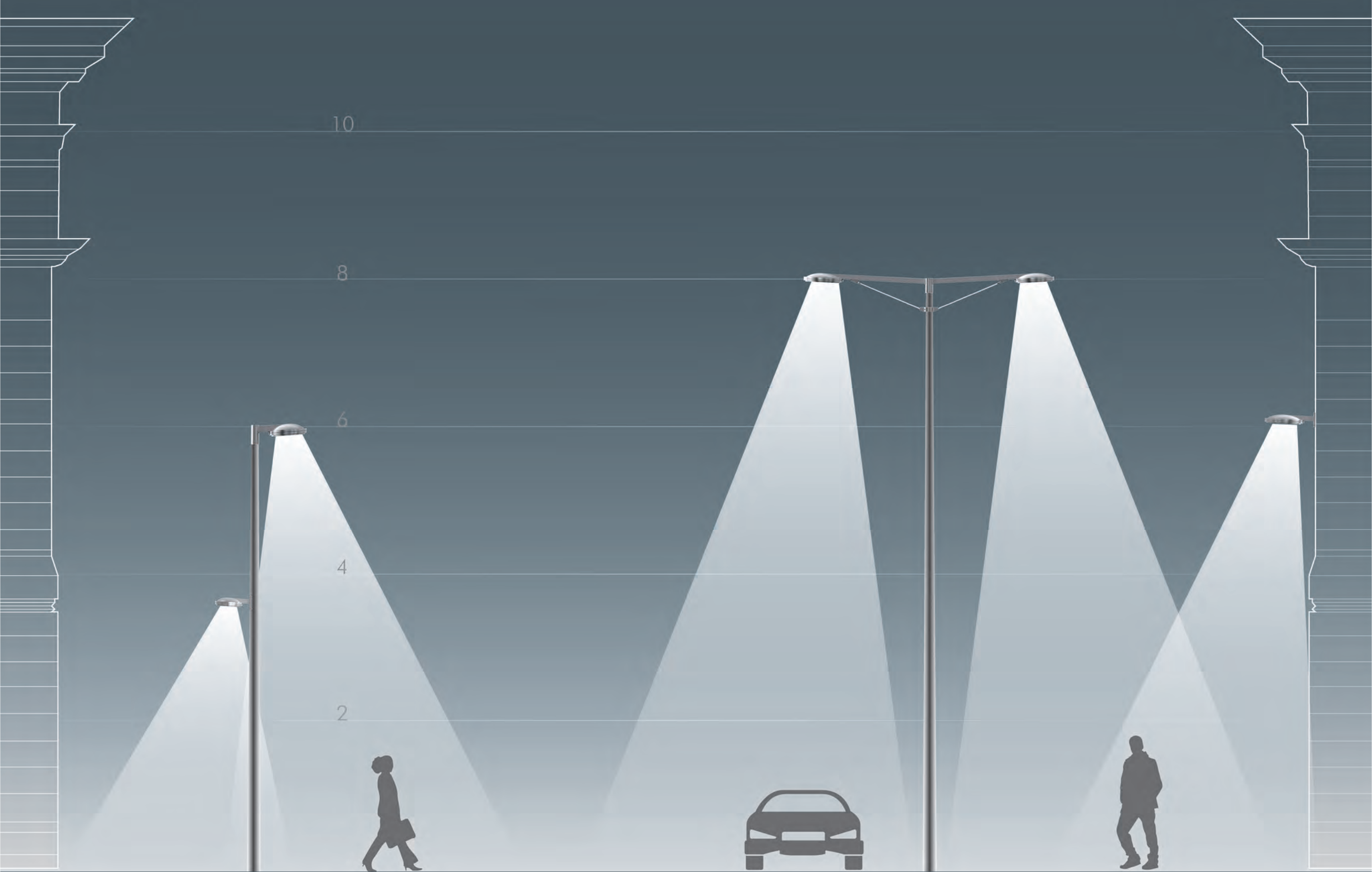
The version with Street Optics is equipped with LED modules which have become the norm in public lighting. The Comfort Optic version makes use of light diffraction prisms to provide optimal glare limitation.

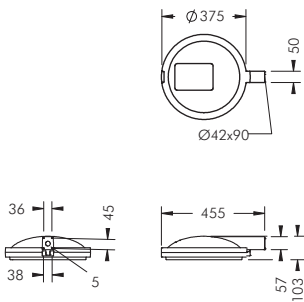


The range of accessories allows for different mounting possibilities and luminaire configurations.



Ecoscape offers optimal light distribution for various illumination requirements in public areas – for open spaces, streets or paths.



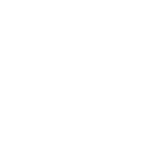
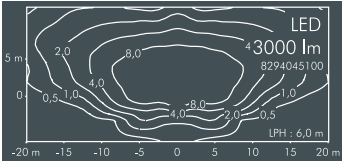
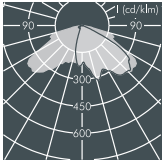
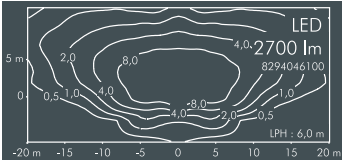


Ecoscape 1
With a high performance LED module or LED Prism module,
thermal monitoring device
protection class I, IP65
windage area AW 0.11 m²
die cast aluminium housing, polyester powder coated, all exterior steel parts are stainless steel, tempered, high transmission safety glass, silicon gasket, hinged frame, installation of luminaire using fixing accessories, cable entry: M20, fixing via a 42 mm diameter borehole, integral programmable and dimmable driver

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

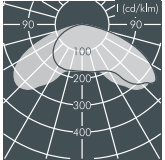
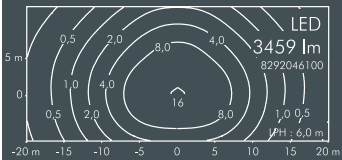
Part number	Colour	Light source	Weight	Main beam angle γ	
				C 0 – 180	C 90 – 270
8 294 046 109	black	1 x LED module (Osram) 32 W warm white	6.5 kg	56°	47°
8 294 066 109	white				
8 294 056 109	silver grey				

Part number	Colour	Light source	Weight	Main beam angle γ	
				C 0 – 180	C 90 – 270
8 294 045 109	black	1 x LED module (Osram) 32 W neutral white	6.5 kg	56°	47°
8 294 065 109	white				
8 294 055 109	silver grey				

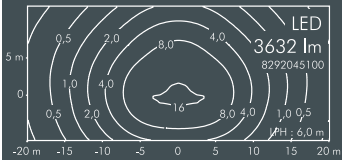


Ecoscape 1, Comfort Optic

Part number	Colour	Light source	Weight	Main beam angle γ	
				C 0 – 180	C 90 – 270
8 292 046 109	black	1 x LED Prism module 55 W warm white	6.5 kg	48°	54°
8 292 066 109	white				
8 292 056 109	silver grey				



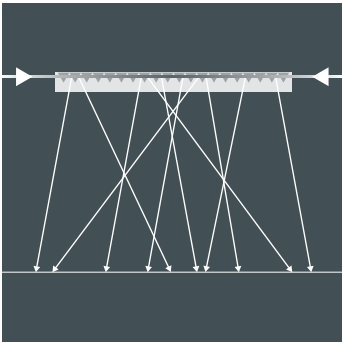
Part number	Colour	Light source	Weight	Main beam angle γ	
				C 0 – 180	C 90 – 270
8 292 045 109	black	1 x LED Prism module 55 W neutral white	6.5 kg	48°	54°
8 292 065 109	white				
8 292 055 109	silver grey				



Part number	Description
8 19	Luminaire safety class II

Accessories required for installation of luminaires – see pages 8-11.


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.

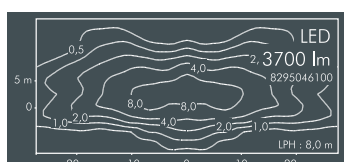
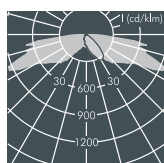
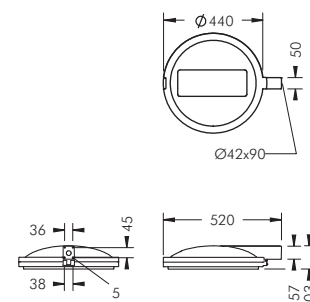


Light source
LEDs, replacement modules available



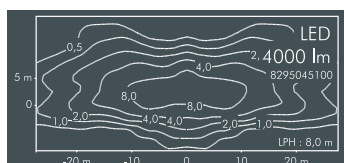
Ecoscape 2

With a high performance LED module or LED Prism module,
thermal monitoring device
protection class I, IP65 
windage area AW 0.15 m²
die cast aluminium housing, 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, fixing via a 42 mm diameter borehole, integral programmable and dimmable driver

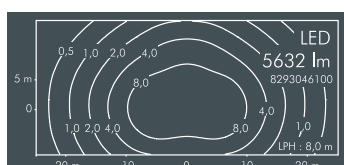
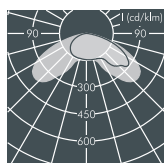


Ecoscape 2, Street Optic (according to DIN EN 13201)

Part number	Colour	Light source	Weight	Main beam angle γ	
8 295 046 109	black	1 x LED module (Osram) 47 W warm white	8.8 kg	C 0 – 180	C 90 – 270
8 295 066 109	white			66°	32°
8 295 056 109	silver grey				

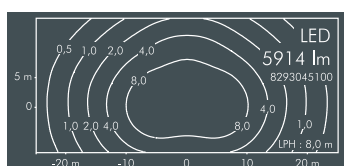


Part number	Colour	Light source	Weight	Main beam angle γ	
8 295 045 109	black	1 x LED module (Osram) 47 W neutral white	8.8 kg	C 0 – 180	C 90 – 270
8 295 065 109	white			66°	32°
8 295 055 109	silver grey				



Ecoscape 2, Comfort Optic

Part number	Colour	Light source	Weight	Main beam angle γ	
8 293 046 109	black	1 x LED Prism module 90 W warm white	8.8 kg	C 0 – 180	C 90 – 270
8 293 066 109	white			50°	53°
8 293 056 109	silver grey				



Part number	Colour	Light source	Weight	Main beam angle γ	
8 293 045 109	black	1 x LED Prism module 90 W neutral white	8.8 kg	C 0 – 180	C 90 – 270
8 293 065 109	white			50°	53°
8 293 055 109	silver grey				

Part number	Description
819	Luminaire safety class II

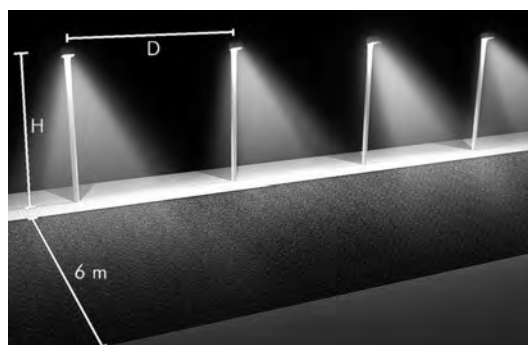
Accessories required for installation of luminaires – see pages 8-11.

Illumination examples (S3 according to DIN EN 13201-2)

	Ecoscape 1		Ecoscape 2	
	Street Optic	Comfort Optic	Street Optic	Comfort Optic
H	6 m	6 m	8 m	8 m
D	30 m	24 m	35 m	31 m
D/H	5	4	4.4	3.9
Em	7.5 lx	7.5 lx	7.5 lx	7.5 lx
Emin/Em	0.32	0.36	0.64	0.44
TI*	12%	7%	27%	6%

* TI: Threshold Increment (unit for measuring glare).

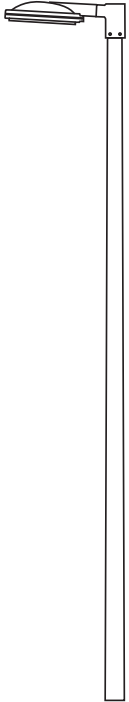
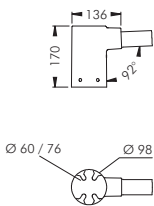
A low TI value indicates a low glare factor.



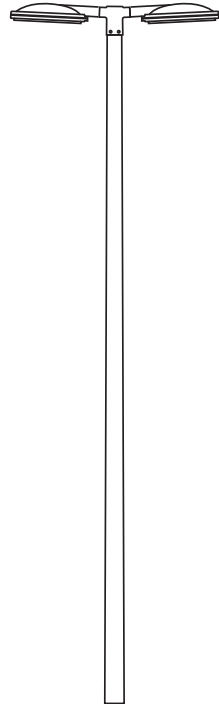
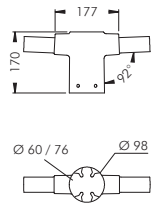
Light source

LEDs, replacement modules available

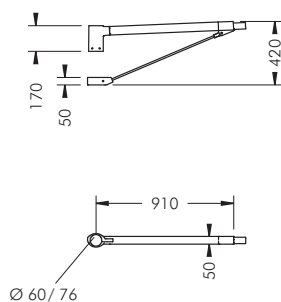
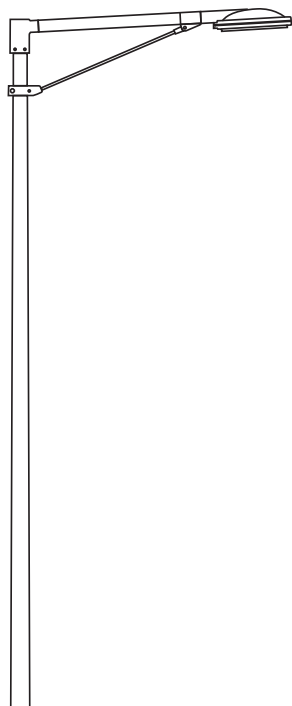




Pole top fitter for one luminaire		
Part number	Colour	Description
122 0 281 940	black	Pole top fitter , aluminium, polyester powder coated, for pole Ø 60 - 76 mm
122 0 281 960	white	
122 0 281 950	silver grey	

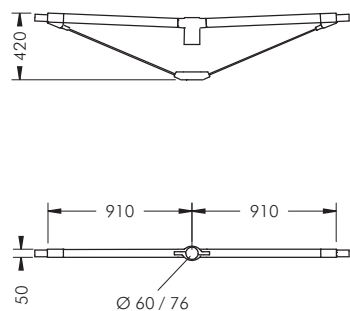
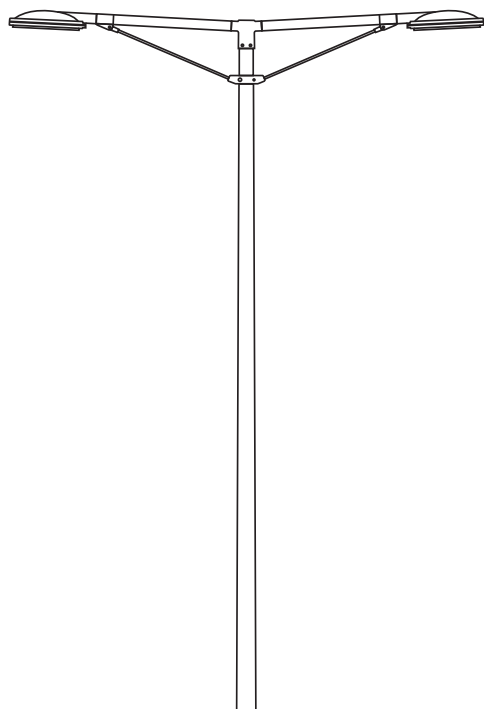


Pole top fitter for two luminaires		
Part number	Colour	Description
122 0 282 940	black	Pole top fitter , aluminium, polyester powder coated, for pole Ø 60 - 76 mm
122 0 282 960	white	
122 0 282 950	silver grey	



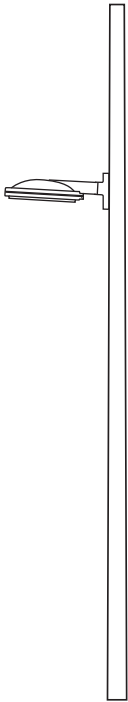
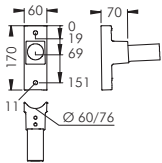
Pole outrigger for one luminaire

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	

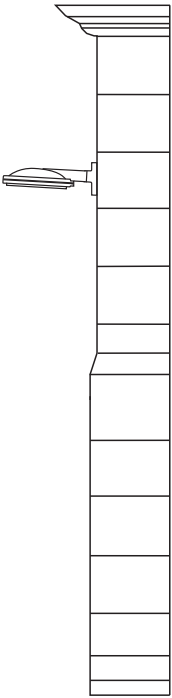
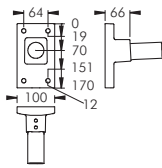


Pole outrigger for two luminaires

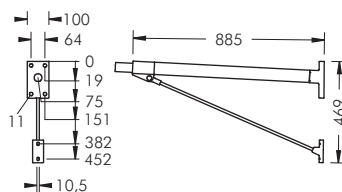
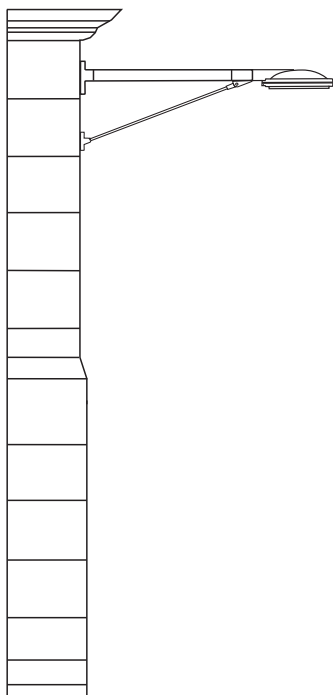
Part number	Colour	Description
122 0 292 940	black	Pole outrigger, 2 x 910 mm, aluminium, polyester powder coated, for pole Ø 60 mm
122 0 292 960	white	
122 0 292 950	silver grey	
122 0 294 940	black	Pole outrigger, 2 x 910 mm, aluminium, polyester powder coated, for pole Ø 76 mm
122 0 294 960	white	
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	

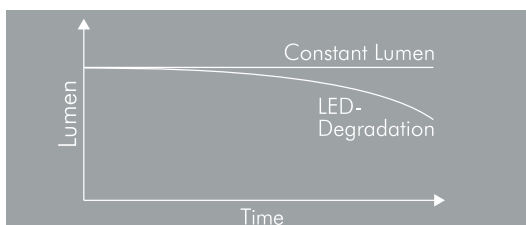
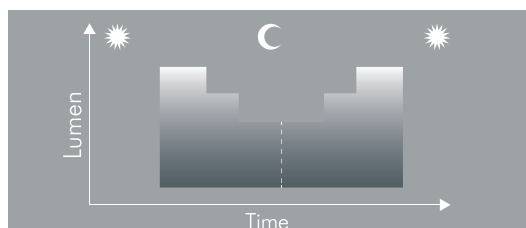
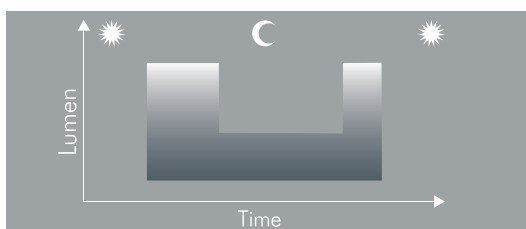
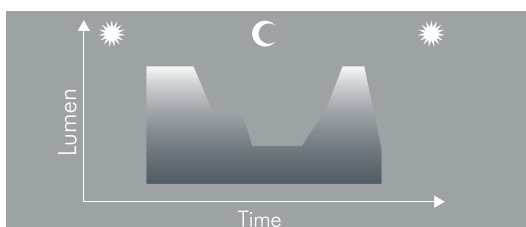


Wall adapter		
Part number	Colour	Description
122 0 284 940	black	Wall adapter , aluminium, polyester powder coated
122 0 284 960	white	
122 0 284 950	silver grey	



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

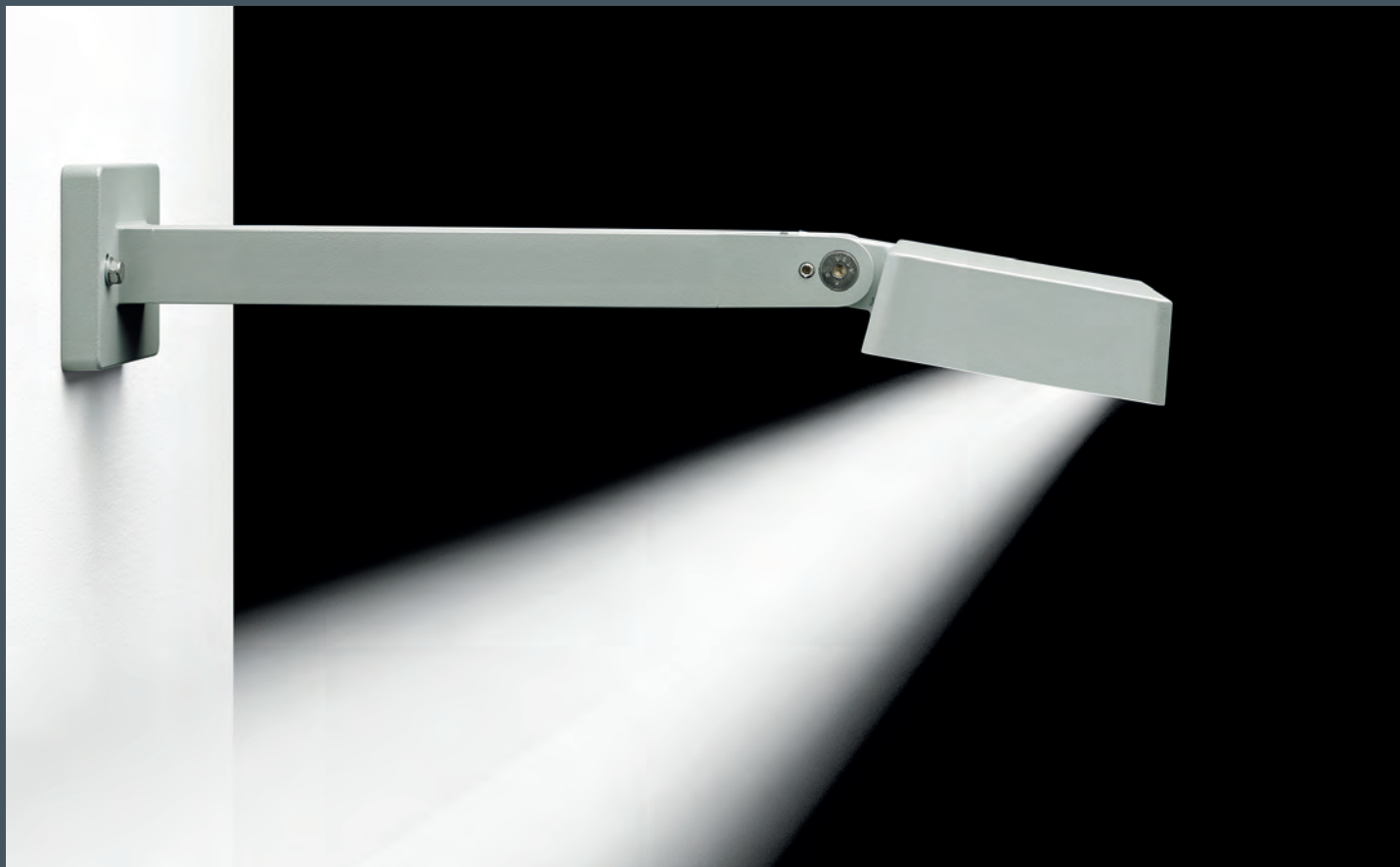
Similar to a half-night switch the luminous flux is reduced to a defined level by an additional control wire (switched phase). The dimming parameters can be individually defined by the use of a software with interface.

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.




The Expolux range of luminaires illuminates signs and 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.

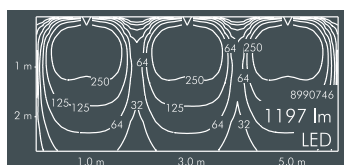
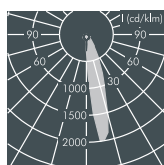
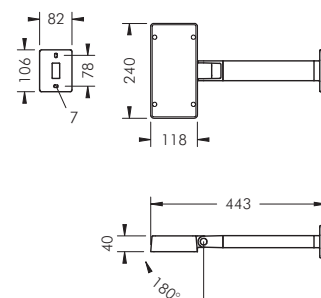
The low profile housing is very compact and only needs to be tilted very little thanks to the asymmetrical distribution lens. Together with the short arm, the overall impression is a very discreet luminaire. But one which can make any sign or advertising surface stand out.



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

Expolux

With a high performance LED module,
thermal monitoring device
protection class I, IP65 
windage area AW 0.04 m²
die cast aluminium housing, polyester powder
coated, asymmetrical 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



Expolux

Part number	Colour	Light source	Weight	Half beam angle γ	
8 990 746 009	black	1 x LED module 18 W warm white	2.1 kg	C 0 – 180	C 90 – 270
8 990 766 009	white			15°	41°
8 990 756 009	silver grey				

Part number	Colour	Light source	Weight	Half beam angle γ	
8 990 745 009	black	1 x LED module 18 W neutral white	2.1 kg	C 0 – 180	C 90 – 270
8 990 765 009	white			15°	41°
8 990 755 009	silver grey				

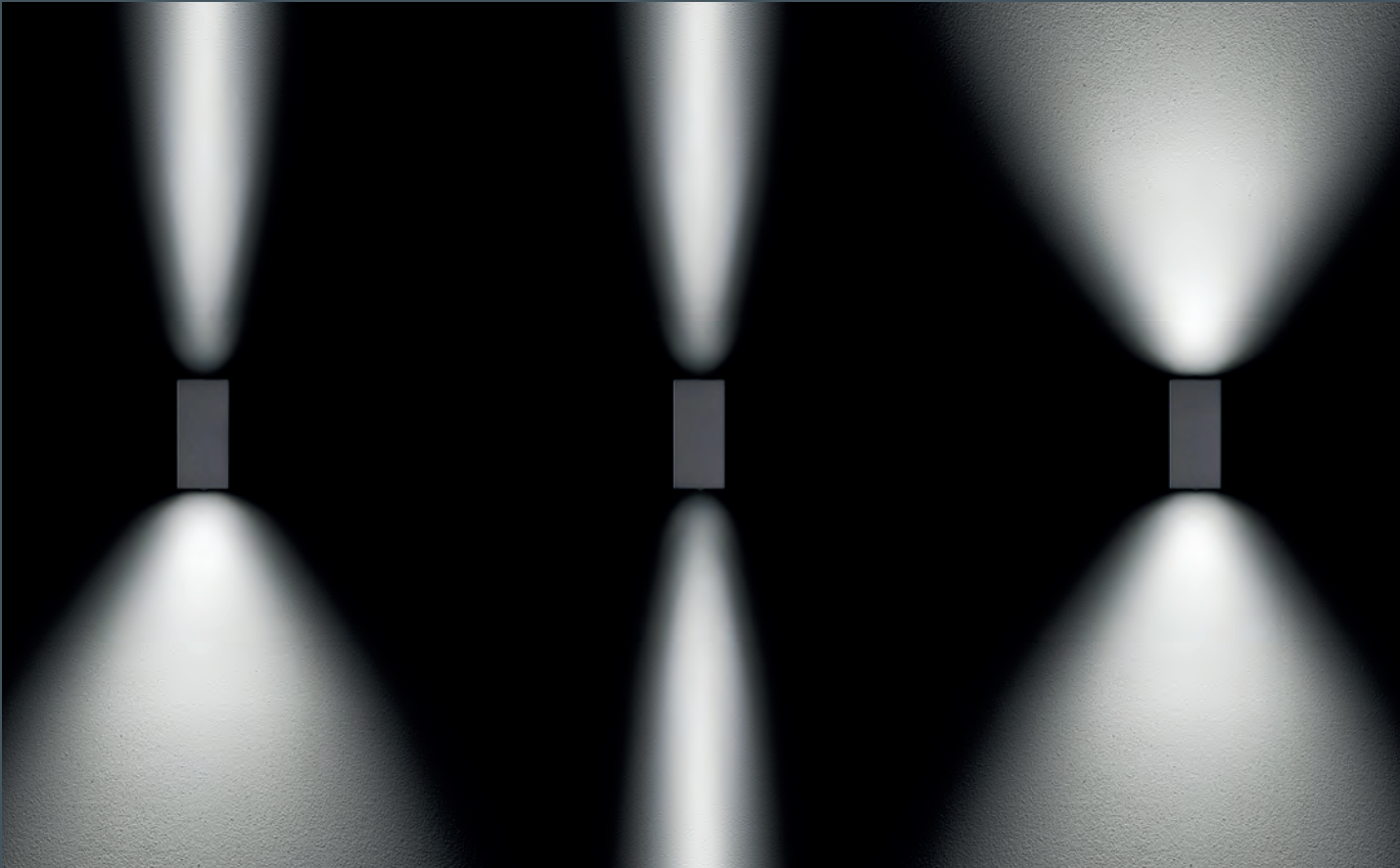
These luminaires are equipped with an optical system which was developed specifically for sign illumination. The light is directed asymmetrically onto the surface with a high degree of uniformity. Typically, a sign measuring 2 x 2 metres can be illuminated using just one luminaire.



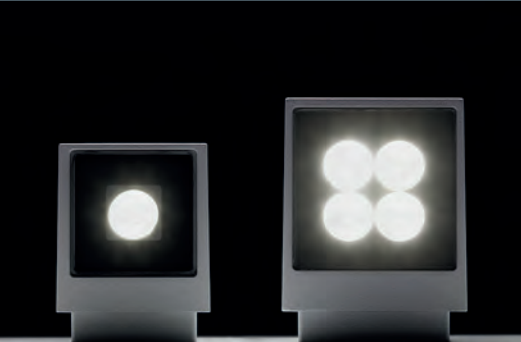
Light source

LEDs, replacement modules available





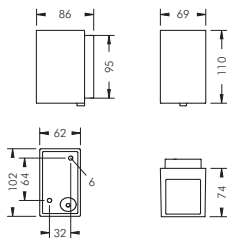
Gemini is a range of up/down wall luminaires. The LED optics are available in narrow or wide beam distribution and can be combined with one another. Thanks to their sleek design and compact dimensions, these luminaires lend themselves well to being integrated into modern or historical architecture. They 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.



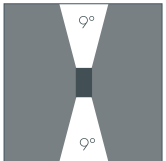
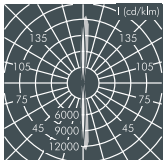
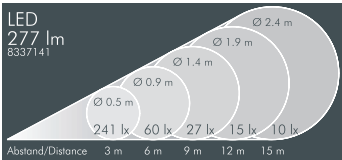


Gemini 1
2 x 2.5 W high performance LEDs,
thermal monitoring device
protection class I, IP65
die cast aluminium housing, polyester powder
coated, all exterior steel parts are stainless steel,
tempered, high transmission safety glass, silicon
gasket, wall box: 2 drilled holes Ø 6 mm,
spacing 64 mm, one cable entry for recessed or
surface mounted cable Ø 7-10 mm, integral driver

Gemini 1, narrow beam

Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 337 141 009	black	2 x LED 2.5 W warm white	0.6 kg	9°	9°
8 337 161 009	white				
8 337 151 009	silver grey				

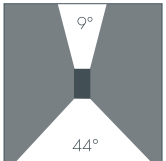
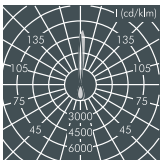
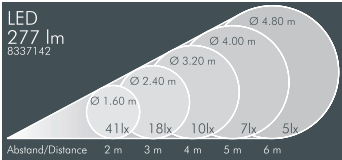
Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 337 444 009	black	2 x LED 2.5 W neutral white	0.6 kg	9°	9°
8 337 464 009	white				
8 337 454 009	silver grey				



Gemini 1, narrow/wide beam

Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 337 142 009	black	2 x LED 2.5 W warm white	0.6 kg	9°	44°
8 337 162 009	white				
8 337 152 009	silver grey				

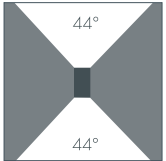
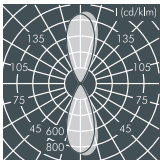
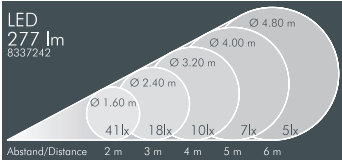
Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 337 445 009	black	2 x LED 2.5 W neutral white	0.6 kg	9°	44°
8 337 465 009	white				
8 337 455 009	silver grey				



Gemini 1, wide beam

Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 337 242 009	black	2 x LED 2.5 W warm white	0.6 kg	44°	44°
8 337 262 009	white				
8 337 252 009	silver grey				


Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 337 545 009	black	2 x LED 2.5 W neutral white	0.6 kg	44°	44°
8 337 565 009	white				
8 337 555 009	silver grey				

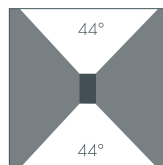
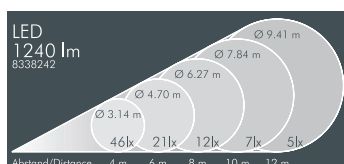
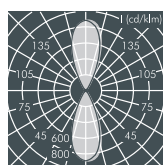
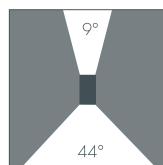
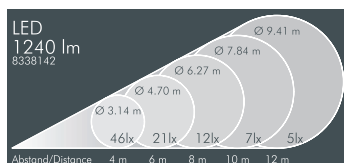
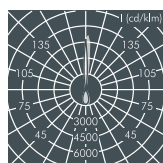
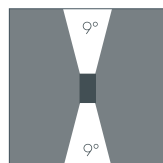
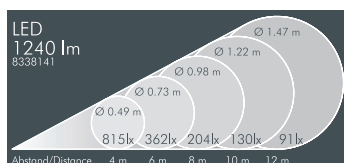
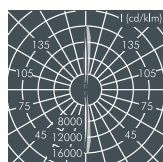
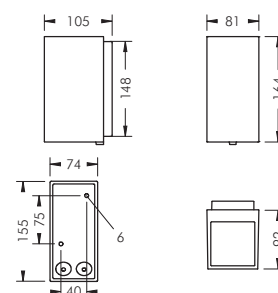


Light source
LEDs, replacement modules available



Gemini 2

8 x 2.5 W high performance LEDs,
thermal monitoring device
protection class I, IP65 
die cast aluminium housing, 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



Gemini 2, narrow beam

Part number	Colour	Light source	Weight	Half beam angle γ	
8 338 141 009	black	8 x LED 2.5 W warm white	1.2 kg	up	down
8 338 161 009	white			9°	9°
8 338 151 009	silver grey				

Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 338 444 009	black	8 x LED 2.5 W neutral white	1.2 kg	9°	9°
8 338 464 009	white				
8 338 454 009	silver grey				

Gemini 2, narrow/wide beam

Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 338 142 009	black	8 x LED 2.5 W warm white	1.2 kg	9°	44°
8 338 162 009	white				
8 338 152 009	silver grey				

Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 338 445 009	black	8 x LED 2.5 W neutral white	1.2 kg	9°	44°
8 338 465 009	white				
8 338 455 009	silver grey				

Gemini 2, wide beam

Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 338 242 009	black	8 x LED 2.5 W warm white	1.2 kg	44°	44°
8 338 262 009	white				
8 338 252 009	silver grey				

Part number	Colour	Light source	Weight	Half beam angle γ	
				up	down
8 338 545 009	black	8 x LED 2.5 W neutral white	1.2 kg	44°	44°
8 338 565 009	white				
8 338 555 009	silver grey				

Light source

LEDs, replacement modules available




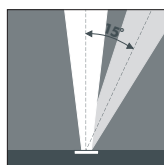
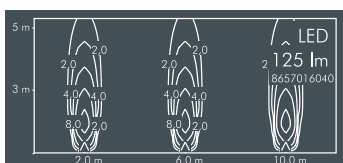
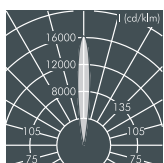
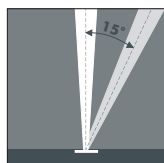
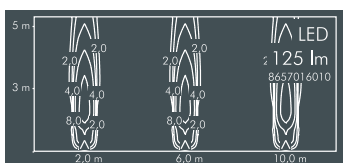
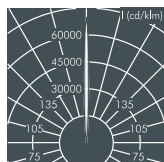
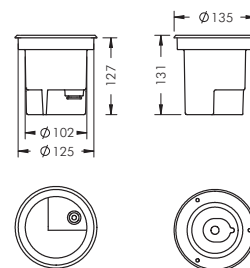


The range of ground-recessed uplighters has been widened with the introduction of a very compact product using just one single LED. The light beam can be aimed precisely with the help of the extremely narrow beam and adjustable optic. This makes the product a useful tool for accent lighting with minimal energy consumption.



Ground-recessed LED uplighter Adjustable

With 1 x 3 W high performance LED,
Protection class I, IP67 , IK10
Cast aluminium housing, 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 IEC 60598-2-13),
silicon gasket, V4A (316 grade) stainless steel trim
ring and 3 screws, M20 cable gland, 0.8 m cable
type H05RN-F3G1, integral driver



Ground-recessed uplighter, adjustable optics, narrow beam*

Part number	Light source	Temperature	Tilt range	Half beam angle γ
8 657 016 019	1 x LED 3 W warm white	29 °C	0 – 15°	4°

Part number	Light source	Temperature	Tilt range	Half beam angle γ
8 657 015 019	1 x LED 3 W neutral white	29 °C	0 – 15°	4°

* Recommended wall distance 0.1 m

Ground-recessed uplighter, adjustable optics, medium wide beam

Part number	Light source	Temperature	Tilt range	Half beam angle γ
8 657 016 049	1 x LED 3 W warm white	29 °C	0 – 15°	13°

Part number	Light source	Temperature	Tilt range	Half beam angle γ
8 657 015 049	1 x LED 3 W neutral white	29 °C	0 – 15°	13°

Part number	Description
8 658 9	Luminaire for installation flush with surrounding surface (in combination with installation sleeve 126 0 205 060)

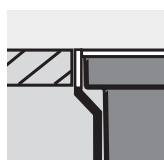
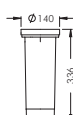
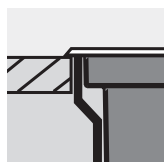
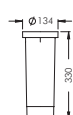
Accessories

Part number	Description
126 0 205 000	Installation sleeve* , polypropylene, for luminaire with overlapping trim (for luminaires 8 657 9)

* 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 8 658 9)

* If necessary can be shortened on site.



Light source

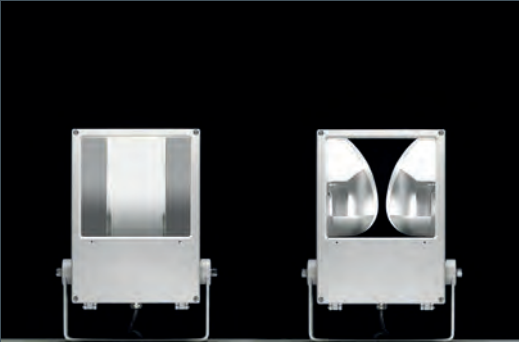
LEDs, replacement modules available





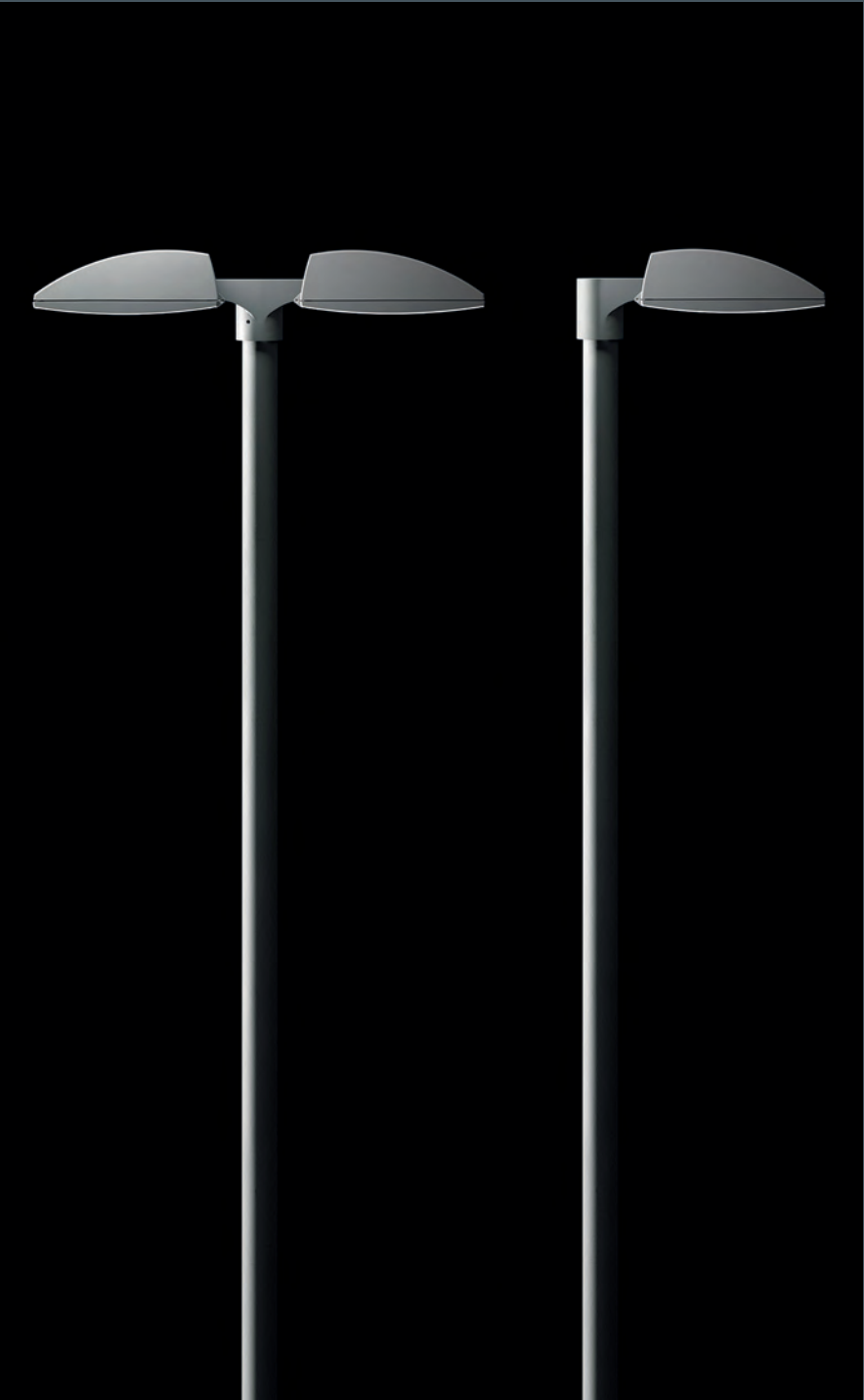
The well-proven Fluxa area floodlights have been developed further for the demands of modern LED technology. The luminous flux of highly efficient LED modules is distributed across the area by precise reflector optics. The resulting lux levels are achieved with much lower energy consumption and exceed those of respective luminaires for discharge lamps. Fluxa A LED is therefore the right choice for modern and economic lighting installations.

Small dimensions of LED components allow the luminaire housing to be very shallow. That way the timeless and elegant design of Fluxa A LED is enhanced.

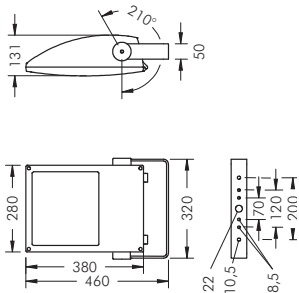


The luminaires are available with 2 alternative optics: Asymmetrical reflectors with forward throw light distribution achieve high lux levels in great distance. Wide beam reflectors evenly distribute the light of two LED modules sideways.


Pole-top luminaires are available complete with one or two floodlights. These units are pre-assembled for easy installation.



Thanks to their neutral design the luminaires blend in well with various different architectural styles.

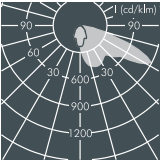
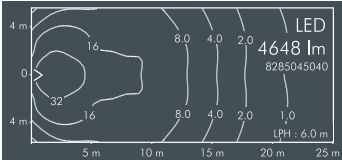


Fluxa A LED

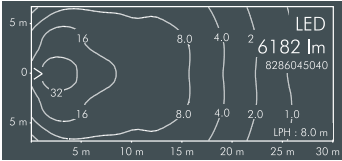
With high performance LED module (Zhaga),
 integral temperature monitoring device,
 protection class I, IP65 
 windage area AW 0.11 m²
 die cast aluminium housing, polyester powder coated,
 aluminium reflector, all exterior steel parts are
 stainless steel, tempered safety glass, silicon gasket,
 4 stainless 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 converter

Fluxa A LED, asymmetrical beam

Part number	Colour	Light source	Weight	Main beam angle γ
8 285 045 049	black	1 x LED module 52 W	6.2 kg	63°
8 285 065 049	white	neutral white		
8 285 055 049	silver grey			

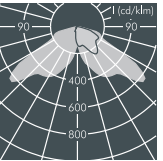
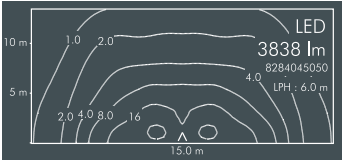


Part number	Colour	Light source	Weight	Main beam angle γ
8 286 045 049	black	1 x LED module 69 W	6.2 kg	63°
8 286 065 049	white	neutral white		
8 286 055 049	silver grey			



Fluxa A LED, wide beam

Part number	Colour	Light source	Weight	Half beam angle γ
8 284 045 059	black	2 x LED module 21 W	6.2 kg	C 0 – 180
8 284 065 059	white	neutral white		C 90 – 270
8 284 055 059	silver grey			

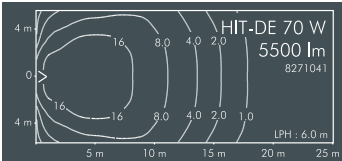


Part number	Description
... 6 ...	Luminaire with warm white LED module
... 1 ..	Dimmable luminaire*
	DALI / StepDIM / AstroDIM

* Light control options (see page 11)

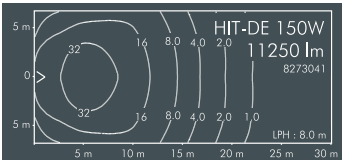
Lux level comparison HIT-DE 70 W / LED 52 W, asymmetrical beam

HIT-DE 70 W: 4.5 lux average level
 LED 52 W: 7 lux average level

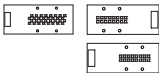


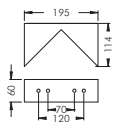
Lux level comparison HIT-DE 150 W / LED 69 W, asymmetrical beam

HIT-DE 150 W: 9 lux average level
 LED 69 W: 8 lux average level



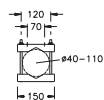
Light source
 LEDs, replacement modules available



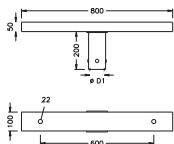


Accessories for Fluxa A LED

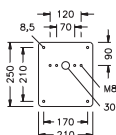
Part number	Colour	Description
128 0 086 940	black	Corner fixing bracket B , aluminium, polyester powder coated, for mounting floodlights on 90° corners
128 0 086 960	white	
128 0 086 950	silver grey	



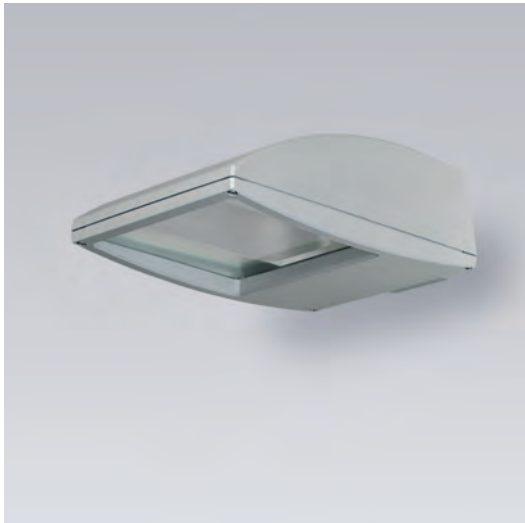
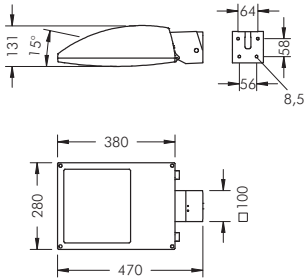
Part number	Colour	Description
120 0 240 940	black	Universal pole clamp , aluminium, polyester powder coated, stainless steel bolts, for mounting on poles Ø 40 -110 mm
120 0 240 960	white	
120 0 240 950	silver grey	






Part number	Colour	Description
128 0 287 940	black	Crossbar , for pole D1= 76 mm , for two luminaires, hot dip galvanized steel, polyester powder coated
128 0 287 960	white	
128 0 287 950	silver grey	
128 0 287 000	unpainted	Crossbar , for pole D1= 76 mm , for two luminaires, hot dip galvanized steel
128 0 552 940	black	Crossbar , for pole D1= 89 mm , for two luminaires, hot dip galvanized steel, polyester powder coated
128 0 552 960	white	
128 0 552 950	silver grey	
128 0 552 000	unpainted	Crossbar , for pole D1= 89 mm , for two luminaires, hot dip galvanized steel



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

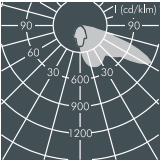
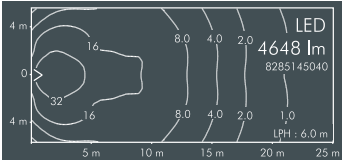


Fluxa AG LED

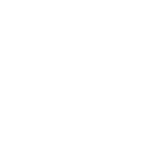
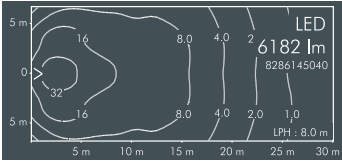
With high performance LED module (Zhaga),
integral temperature monitoring device,
protection class I, IP65 
windage area AW 0.11 m²
die cast aluminium housing, polyester powder coated,
aluminium reflector, all exterior steel parts are
stainless steel, tempered safety glass, silicon gasket,
4 stainless 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 converter

Fluxa AG LED, asymmetrical beam

Part number	Colour	Light source	Weight	Main beam angle γ
8 285 145 049	black	1 x LED module 52 W neutral white	6.2 kg	63°
8 285 165 049	white			
8 285 155 049	silver grey			



Part number	Colour	Light source	Weight	Main beam angle γ
8 286 145 049	black	1 x LED module 69 W neutral white	6.2 kg	63°
8 286 165 049	white			
8 286 155 049	silver grey			



Fluxa AG LED, wide beam

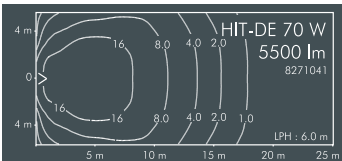
Part number	Colour	Light source	Weight	Half beam angle γ	
				C 0 – 180	C 90 – 270
8 284 145 059	black	2 x LED module 21 W neutral white	6.2 kg	121°	139°
8 284 165 059	white				
8 284 155 059	silver grey				

Part number	Description
... 6 ...	Luminaire with warm white LED module
... 1 ..	Dimmable luminaire* DALI / StepDIM / AstroDIM

* Light control options (see page 11)

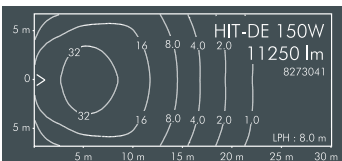
Lux level comparison HIT-DE 70 W / LED 52 W, asymmetrical beam

HIT-DE 70 W: 4.5 lux average level
LED 52 W: 7 lux average level



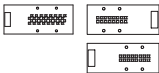
Lux level comparison HIT-DE 150 W / LED 69 W, asymmetrical beam

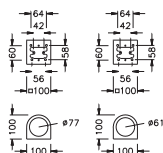
HIT-DE 150 W: 9 lux average level
LED 69 W: 8 lux average level



Light source

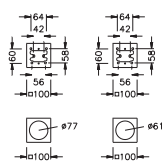
LEDs, replacement modules available



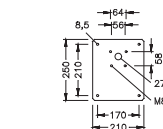


Accessories for Fluxa AG LED

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	Pole top fitter for pole Ø 76 mm for one luminaire
127 0 081 940	black	
127 0 081 960	white	
127 0 081 950	silver grey	

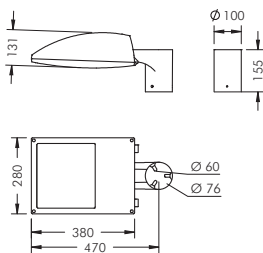


Part number	Colour	Description
127 0 182 940	black	Pole top fitter for pole Ø 60 mm for two luminaires
127 0 182 960	white	
127 0 182 950	silver grey	Pole top fitter for pole Ø 76 mm for two luminaires
127 0 082 940	black	
127 0 082 960	white	
127 0 082 950	silver grey	




Part number	Colour	Lamp
122 0 134 940	black	Wall plate G* , for one luminaire Fluxa AG LED, 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.

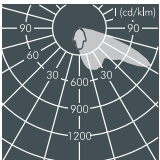
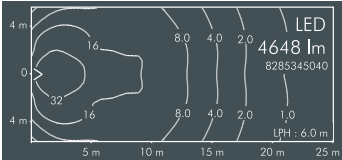


**Fluxa A LED,
pole top luminaire, single configuration**

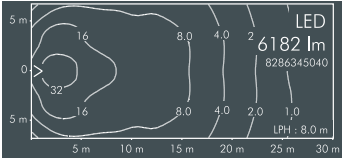
With high performance LED module (Zhaga),
integral temperature monitoring device,
protection class I, IP65  windage area AW 0.11 m²
die cast aluminium housing, polyester powder coated,
aluminium reflector, all exterior steel parts are
stainless steel, tempered safety glass, silicon gasket,
4 stainless 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 converter

Fluxa A LED pole top luminaire, single configuration, asymmetrical beam

Part number	Colour	Light source	Weight	Main beam angle γ
8 285 345 049	black	1 x LED module 52 W neutral white	6.6 kg	63°
8 285 365 049	white			
8 285 355 049	silver grey			

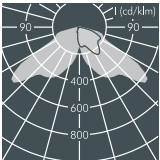
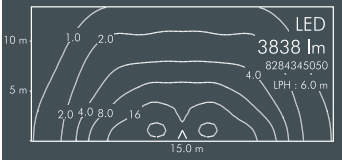


Part number	Colour	Light source	Weight	Main beam angle γ
8 286 345 049	black	1 x LED module 69 W neutral white	6.6 kg	63°
8 286 365 049	white			
8 286 355 049	silver grey			



Fluxa A LED pole top luminaire, single configuration, wide beam

Part number	Colour	Light source	Weight	Half beam angle γ	
				C 0 – 180	C 90 – 270
8 284 345 059	black	2 x LED module 21 W neutral white	6.6 kg	121°	139°
8 284 365 059	white				
8 284 355 059	silver grey				



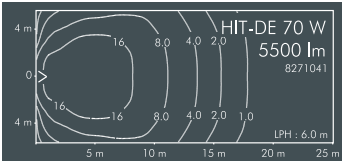
Part number	Description
... 6 ...	Luminaire with warm white LED module
... 1 ..	Dimmable luminaire* DALI / StepDIM / AstroDIM

* Light control options (see page 11)

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

HIT-DE 70 W: 4.5 lux average level

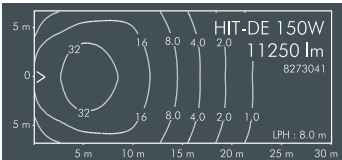
LED 52 W: 7 lux average level



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

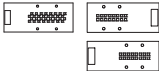
HIT-DE 150 W: 9 lux average level

LED 69 W: 8 lux average level




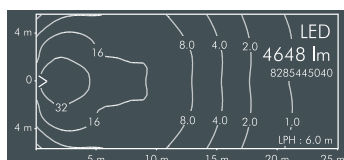
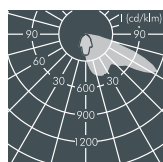
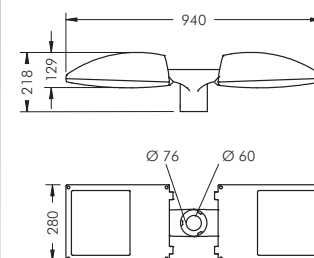
Light source

LEDs, replacement modules available



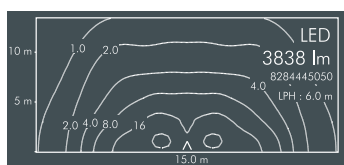
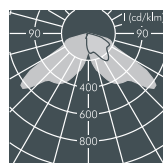
Fluxa A LED, pole top luminaire, double configuration

With high performance LEDs (Zhaga),
integral temperature monitoring device,
protection class I, IP65 
windage area AW 0.22 m²
die cast aluminium housing, 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 HO5RN-F3G1, integral converter



Fluxa A LED pole top luminaire, double configuration, asymmetrical beam

Part number	Colour	Light source	Weight	Main beam angle γ
8 285 445 049	black	2 x 1 LED module 52 W	12.3 kg	63°
8 285 465 049	white	neutral white		
8 285 455 049	silver grey			



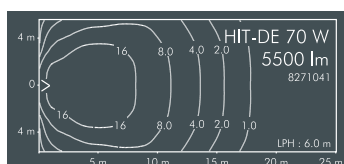
Part number	Colour	Light source	Weight	Main beam angle γ
8 286 445 049	black	2 x 1 LED module 69 W	12.3 kg	63°
8 286 465 049	white	neutral white		
8 286 455 049	silver grey			

Fluxa A LED pole top luminaire, double configuration, wide beam

Part number	Colour	Light source	Weight	Half beam angle γ
				C 0 – 180 C 90 – 270
8 284 445 059	black	2 x 2 LED module 21 W	12.3 kg	121° 139°
8 284 465 059	white	neutral white		
8 284 455 059	silver grey			

Part number	Description
... 6 ...	Luminaire with warm white LED module
... 1 ...	Dimmable luminaire* DALI / StepDIM / AstroDIM

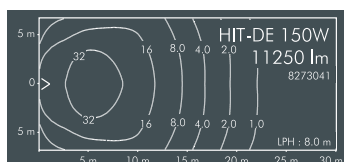
* Light control options (see page 11)



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

HIT-DE 70 W: 4.5 lux average level

LED 52 W: 7 lux average level



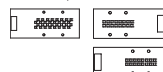
Lux level comparison HIT-DE 150 W / LED 69 W, asymmetrical beam

HIT-DE 150 W: 9 lux average level

LED 69 W: 8 lux average level

Light source

LEDs, replacement modules available





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