



greenius®

LED-AREALIGHT
FLEX-SERIES



BEAM ANGLE AND OPTICS

greenius® offers sophisticated LED lighting solutions for every commercial outdoor area. Pole-mounted, surface-mounted, undermounted or surface-mounted... thanks to freely selectable mounting systems and optics with symmetrical or asymmetrical beam angles, our street and town square luminaires are highly flexible and suitable for any application.

Asymmetrical radiation pattern

- optimised light control (away from mounting point)
- minimised glare or stray light
- excellent luminous efficacy

Symmetrical radiation pattern

- Installation in the centre of the light cone
- uniform light distribution



We offer more than 20 optical lenses with different beam characteristics, which can be combined in any way to achieve the best possible illumination for any application.

ACCESSORIES

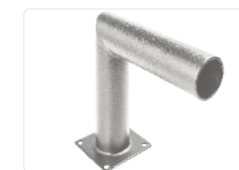
Our extensive range of mounting brackets, mast attachments and adapters offers the right solution for every type of installation.



AREA 1



AREA 4



AREA 5



AREA 6



AREA 7



AREA 8



AREA 9



AREA 11



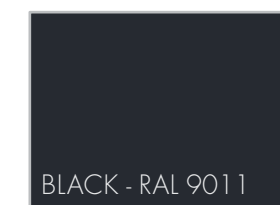
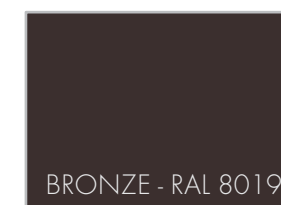
AREA 12

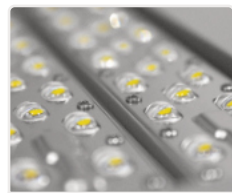


AREA 33

OPTIONS

Colour options for luminaires and brackets (RAL desired colour available at extra charge):





Resistant: 1,000 hours salt water certification according to ASTM B117 / ISO 9227: 2012

more than 20 optics (also in a mix) for the best possible light distribution

1 x LED-Module with 18 x LED-CHIPS = 40 Watts



RANGES OF THE FLEX-SERIES



FLEX-L



FLEX-D



FLEX-U



FLEX-T



FLEX-W



FLEX-C

Technically mature and highly efficient, our aesthetically sophisticated and robust LED lighting solutions for streets and squares guarantee optimal lighting in accordance with standards, even under adverse conditions: Different optics offer a wide range of applications. Extremely durable and almost maintenance-free. Solid housing made of die-cast aluminum, IP65 - IP67. Available as a post-top or side-entry luminaire and for other types of installation - a wide range of adapters and brackets for a wide variety of installation projects.

PRODUCT DATA

Power	40 Watt	80 Watt	120 Watt	160 Watt	200 Watt	240 Watt	280 Watt	320 Watt
Product dimensions	463 x 345 x 116 mm	523 x 345 x 116 mm	583 x 345 x 116 mm	643 x 345 x 116 mm	703 x 345 x 116 mm	763 x 345 x 116 mm	823 x 345 x 116 mm	883 x 345 x 116 mm
Luminous flux	≤ 5,200 Lumen	≤ 10,400 Lumen	≤ 15,600 Lumen	≤ 20,800 Lumen	≤ 26,000 Lumen	≤ 31,200 Lumen	≤ 36,400 Lumen	≤ 41,600 Lumen
Efficiency	≤ 130 Lumen / Watt							
Beam angle	Over 20 optics (also mixed) selectable (Type I Type II Type III Type IV Type V)							
LED Chip Brand type	NICHIA SMD3030							
Number of LEDs	1 18 pcs.	2 36 pcs.	3 54 pcs.	4 72 pcs.	5 90 pcs.	6 108 pcs.	pcs.	8 144 pcs.
LED Driver Brand Type	MEANWELL HIG.SERIE PHILIPS XITANIUM SERIE							
Material: housing cover	Aluminum (Powder Coated) highly translucent PC (polycarbonate)							
Colour Rendering Index (CRI)	> 70 Ra > 80 Ra > 90 Ra							
Useful life Failure rate	> 100.000 hrs. L80B10							
IP- and IK-Classification	IP65 IP67 (FLEX-W FLEX-T FLEX-U)							
Options	DALI 1-10 V							
Ambient temperature (ta)	-40 °C to +60 °C							
Correlated Colour Temperature (CCT)	amber: 2K warm white: 3K neutral white: 4K Daylight: 5K Daylight +: 6K							
Deviation of the colour adjustment	SDCM <5							
Certification (LED / Driver)	CE (LVD) CE (EMC) Rohs (2011/65/EC) ENEC SAA LM79 UL CUL CB IK08 ...							
Voltage	120 - 277 VAC 5 0/60 Hz							
Item number	FLEX-L-40	FLEX-L-80	FLEX-L-120	FLEX-L-160	FLEX-L-200	FLEX-L-240	FLEX-L-280	FLEX-L-320

LOGISTICS DATA

Product weight	4.98 kg	5.79 kg	6.90 kg	7.79 kg	9.42 kg	10.63 kg	11.24 kg	11.95 kg
Packaging unit	1 pc.							
Weight packing unit	5.97 kg	6.67 kg	8.03 kg	8.72 kg	10.73 kg	11.80 kg	12.48 kg	13.54 kg
Dimensions packing unit	36.5 x 41.5 x 16 cm	42.5 x 41.5 x 16 cm	48.5 x 41.5 x 16 cm	54.5 x 41.5 x 16 cm	66.5 x 41.5 x 16 cm	72.5 x 41.5 x 16 cm	78.5 x 41.5 x 16 cm	84.5 x 41.5 x 16 cm