greenius®

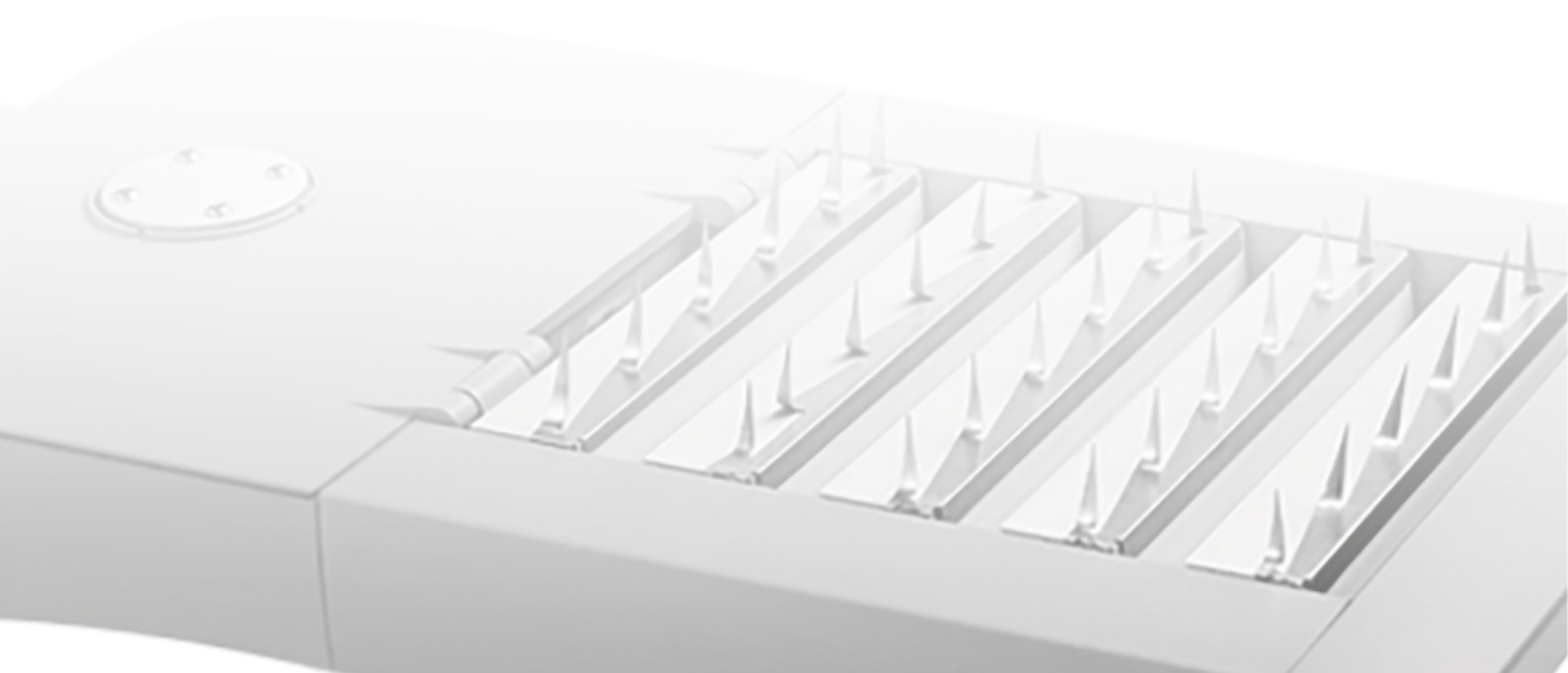## LED-AREALIGHT

PRO A-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.
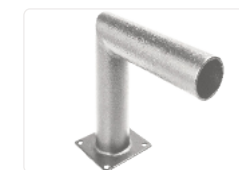
ACCESSORIES

Our extensive range of mounting brackets, mast attachments and adapters offers the right solution for every type of installation.
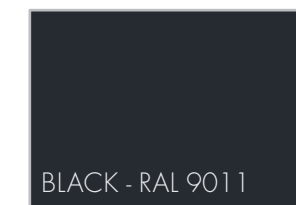
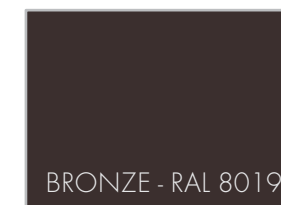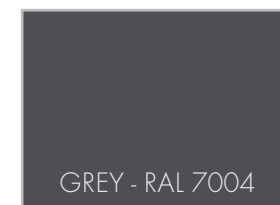| AREA 1	AREA 4	AREA 5	AREA 6	AREA 7
AREA 8	AREA 9	AREA 11	AREA 12	AREA 33

OPTIONS

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

WHITE - RAL 9010	GREY - RAL 7004	BRONZE - RAL 8019	BLACK - RAL 9011

DATASHEET

Horizontal tenon

Post-top mounting

different types of assembly

Convenient connection

WAGO terminal for sensor modules

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

CE
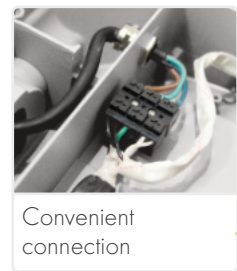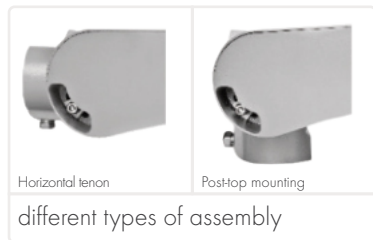
Technically mature and highly efficient, our aesthetically sophisticated and robust LED lighting solutions for streets and squares guarantee optimal lighting in accordance with standards, even under adverse conditions: Different optics offer a wide range of applications. Extremely durable and almost maintenance-free. Solid housing made of die-cast aluminum, IP 67. Available as post-top or side-entry luminaire and for other types of installation - wide range of adapters and brackets for a wide variety of installation projects.

integrated vial for optimal alignment

MW MEAN WELL NICHIA

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

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 HLG.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-Classification	IP67							
Options	DALI	1-10 V	Photocells	Sensors							
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	50/60 Hz							
Item number	PRO-A-40	PRO-A-80	PRO-A-120	PRO-A-160	PRO-A-200	PRO-A-240	PRO-A-280	PRO-A-320

LOGISTICS DATA

Product weight	6.13 kg	7.09 kg	8.02 kg	8.71 kg	9.47 kg	10.98 kg	11.62 kg	12.39 kg
Packaging unit	1 pc.							
Weight packing unit	6.94 kg	8.12 kg	9.24 kg	9.84 kg	10.73 kg	12.35 kg	13.00 kg	13.72 kg
Dimensions packing unit	52.5 x 41.5 x 17.5 cm	58.5 x 41.5 x 17.5 cm	64.5 x 41.5 x 17.5 cm	70.5 x 41.5 x 17.5 cm	76.5 x 41.5 x 17.5 cm	82.5 x 41.5 x 17.5 cm	88.5 x 41.5 x 17.5 cm	94.5 x 41.5 x 17.5 cm