PRODUCT DATASHEET
SL AREA SPD SM V 45W 730 RV20ST GY

STREETLIGHT AREA SMALL RV20ST | Fitting a broad range of street and area lighting applications



VALUE CLASS

Areas of application

- Outdoor use (IP66)
- M-, C- and P-class roads acc. to EN 13201
- Car parks
- Area lighting

Product benefits

- Functional and minimalistic design
- Low maintenance and operation costs due to long lifetime of LED
- 5 years guarantee

Product features

- Light distributions optimized for streets of similar width to the pole height
- Spigot included, suitable for 48…60 mm diameter poles
- Adjustable spigot for both side-entry and post-top installation
- +/- 30° tilt angle adjustment without opening the housing
- Luminous efficacy: up to 135 lm/W
- Operating temperature: -30...50 °C
- High surge protection: up to 10 kV (L/N-PE)

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TECHNICAL DATA

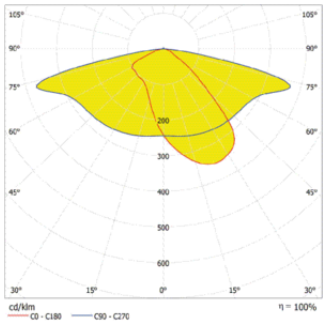
Electrical data

Nominal wattage	45.00 W
Nominal voltage	100…240 V
Mains frequency	50…60 Hz
Nominal current	186.000 mA
Inrush current	8.6 A
Inrush current time T_{h50}	100 µs
Max. number of luminaires per miniature circuit breaker B16	64
Max. number of luminaires per miniature circuit breaker C10	40
Max. number of luminaires per miniature circuit breaker C16	64
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	I
Surge capability (L-N)	10 kV
Surge capability (L/N-Ground)	10 kV
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	5850 lm
Luminous efficacy	130 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	70
Standard deviation of color matching	< 5 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	58° x 160°

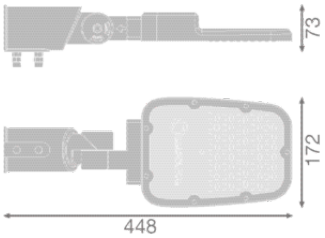
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SL AREA 45W

Dimensions & Weight

Length	448.00 mm
Width	172.00 mm
Height	73.00 mm
Product weight	1490.00 g
Cable length	500 mm



SL AREA 45W

Materials & Colors

Product color	Gray
Housing color	Gray
RAL Color (most similar)	RAL 7015
Body material	Aluminum
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C

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Application & Mounting

Ambient temperature range	-30…+50 °C
Temperature range at storage	-30…+80 °C
Type of connection	Cable, 3-pole
Type of protection	IP66
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Side entry|post top
Mounting location	Pole
Application environment	Outdoor
Mechanically adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	88000 h [1)]
Lifespan L80/B50 at 25 °C	88000 h
Lifespan L90/B10 at 25 °C	44000 h [1)]
Number of switching cycles	100000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	200 mA
Output ripple current (100 Hz)	< 5 %

Certificates & Standards

Standards	CE / REACH / RoHS / ENEC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI SL AREA V
PDF	Legal information	Legal Insert SL AREA SPD

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	Documents and certificates	Document name
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	SL AREA
PDF	Legal information	ECO PANEL
PDF	Legal information	Safety Insert G11205497
PDF	Declarations of conformity	CE Declaration SL AREA
PDF	Declarations of conformity UKCA	UKCA Declaration SL AREA
PDF	Certificates	ENEC Certificate SL AREA

	Photometric and lighting design files	Document name
IES	IES file (IES)	SL AREA SPD SM V 45W 730 RV20ST GY
LDT	LDT file (Eulumdat)	SL AREA SPD SM V 45W 730 RV20ST GY
ULD	ULD file (DIALux)	SL AREA SPD SMV 45W 730 RV
	Light distribution curve type polar	SL AREA 45W

	Tender texts	Document name
TXT	Tender documents	STREETLIGHT AREA SMALL RV20ST 45W 730 RV20ST GY-en

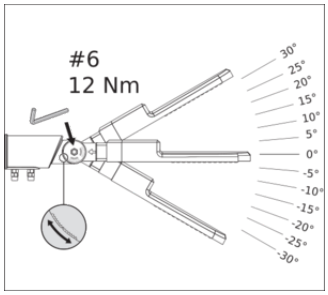
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854030376	Folding box 1	368 mm x 117 mm x 170 mm	1830.00 g	7.32 dm^3
4099854030383	Shipping box 4	493 mm x 211 mm x 347 mm	7319.00 g	36.10 dm^3

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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ADDITIONAL CATALOG INFORMATION



DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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