PRODUCT DATASHEET
SL AREA SPD LA V 90W 730 RV35ST GY

STREETLIGHT AREA LARGE RV35ST | 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

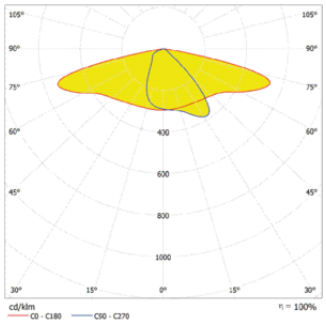
Electrical data

Nominal wattage	90.00 W
Nominal voltage	100…240 V
Mains frequency	50…60 Hz
Nominal current	420.000 mA
Inrush current	9.8 A
Inrush current time T_{h50}	360 µs
Max. number of luminaires per miniature circuit breaker B16	28
Max. number of luminaires per miniature circuit breaker C10	18
Max. number of luminaires per miniature circuit breaker C16	30
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	11700 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	155° x 69°

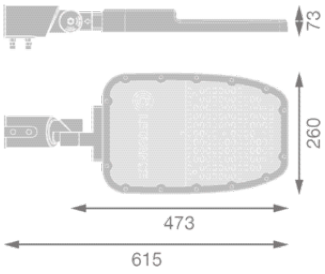
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SL AREA SPD LA V 90W

Dimensions & Weight

Length	615.00 mm
Width	260.00 mm
Height	73.00 mm
Product weight	3200.00 g
Cable length	500 mm



Materials & Colors

Product color	Grey
Housing color	Grey
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	70000 h [1)]
Lifespan L80/B50 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	30000 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	510 mA
Output ripple current (100 Hz)	< 5 %

Sensor

Type of connection for sensor/communication module	Other

Certificates & Standards

Standards	CE / REACH / RoHS / ENEC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

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DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI SL AREA V
PDF	Legal information	Legal Insert SL AREA SPD
PDF	Legal information	SL AREA
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	ECO PANEL
PDF	Legal information	Safety Insert G11205497
PDF	Declarations of conformity	CE Declaration SL AREA SPD V
PDF	Declarations of conformity UKCA	UKCA Declaration SL AREA SPD V
PDF	Certificates	SL AREA

	Photometric and lighting design files	Document name
IES	IES file (IES)	SL AREA SPD LA V 90W 730 RV35ST GY
LDT	LDT file (Eulumdat)	SL AREA SPD LA V 90W 730 RV35ST GY
ULD	ULD file (DIALux)	SL AREA SPD LA V 90W 730
ROLF	ROLF file (RELUX)	SL AREA SPD LA V 90W 730 RV35ST
	Light distribution curve type polar	SL AREA SPD LA V 90W

	Tender texts	Document name
TXT	Tender documents	STREETLIGHT AREA LARGE RV35ST 90W 730 RV35ST GY-EN

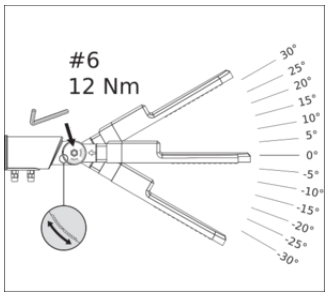
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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854079825	Folding box 1	79 mm x 642 mm x 280 mm	3330.00 g	14.20 dm^3
4099854079832	Shipping box 2	661 mm x 299 mm x 185 mm	7260.00 g	36.56 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.

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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