PRODUCT DATASHEET
STREETLIGHT FLEX SMALL 20W 730 RV25ST 1DIM GY

STREETLIGHT FLEX SMALL 1DIM | Light distribution for general road lighting



Areas of application

- Street lighting, city lighting
- Outdoor applications
- City roads, industrial roads, parking lots
- M-, C- and P-class roads acc. to EN 13201
- Pedestrian zones
- Public areas
- Industry

Product benefits

- Durable design and highest quality component selection for long lasting performance
- Quick and easy wiring, due to tool-free housing opening and push button terminal
- High light uniformity
- 5 light colors available, perfectly suited to illuminate highly diverse surroundings
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Automatic mains disconnection when opening the housing
- 5 years guarantee

Product features

- Color temperature: 2,200 K, 2,700 K, 3,000 K, 4,000 K, 5,700 K
- Light distributions optimized for streets of similar width to the pole height
- Very long lifetime (L90/B10): Up to 100,000 h (at 25 °C)
- Spigot for 48-60 mm poles included
- Adjustable spigot for both side-entry and post-top installation
- +/- 15° tilt angle adjustment without opening the housing
- High luminous efficacy: up to 180 lm/W

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- Operating temperature: -40...50 °C
- High surge protection: up to 10 kV (L/N-GND)
- Protection class: I and II
- Certificate: ENEC+, ENEC, ZD4i RoHS, SASO
- Type of protection: IP66

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TECHNICAL DATA

Electrical data

Nominal wattage	20.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	92.000 mA
Inrush current	25 A
Inrush current time T_{h50}	150 µs
Max. number of luminaires per miniature circuit breaker B16	19
Max. number of luminaires per miniature circuit breaker C10	15
Max. number of luminaires per miniature circuit breaker C16	25
Power factor λ	> 0.90
Total harmonic distortion	< 10 %
Protection class	II
Operating mode	Integrated LED driver

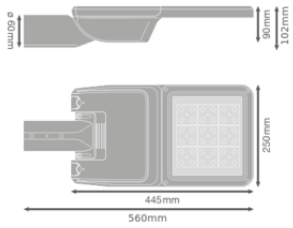
Photometrical data

Luminous flux	2800 lm
Luminous efficacy	140 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	165 x 55 °

Dimensions & Weight

Length	560.00 mm
Width	250.00 mm
Height	102.00 mm
Product weight	4800.00 g

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SL FLEX SM P N C2 O1

Materials & Colors

Product color	Dark gray
Housing color	Dark gray
Body material	Aluminum
Cover material	Tempered glass
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-40…+50 °C
Temperature range at storage	-30…+80 °C
Type of connection	Screwless terminal
Type of protection	IP66
Protection class IK (shock resistance)	IK09
Dimmable	No
Mounting type	Side entry|post top
Mounting location	Pole
Application environment	Outdoor
With light source	Yes
Replaceable light source	Yes

Lifespan

Lifespan L90/B10 at 25 °C	100000 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)

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Control gear

Nominal output current	750 mA
ECG - Output ripple current	≤ 10 %

Certificates & Standards

Standards	CE / ENEC+ / ENEC / EAC / UKCA / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00059-V02.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	Configurable

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	User instruction G11233148 SLFLEXSMP0 20W~164W
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	LISO Insert G11233149
PDF	Legal information	SLFLEX
PDF	Legal information	SL FLEX
PDF	Declarations of conformity	SL FLEX
PDF	Declarations of conformity UKCA	SL FLEX
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION STREETLIGHT FLEX GEN 2

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	Photometric and lighting design files	Document name
	IES file (IES)	SL FLEX SM P 20W 730
	IES file (IES)	IES LDT Files SL FLEX

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854581670	Shipping box 1	502 mm x 330 mm x 235 mm	5235.00 g	38.93 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.

DISCLAIMER

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

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