PRODUCT DATASHEET
STREETLIGHT FLEX MEDIUM 90W 730 RW35ST 1DIM WA

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



PERFOR-MANCE CLASS

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



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- 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
- 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

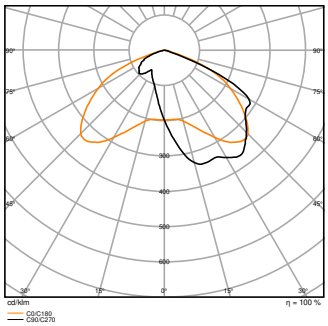
Electrical data

Nominal wattage	90.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	412 mA
Inrush current	65 A
Inrush current time T_{h50}	220 µs
Max. number of luminaires per miniature circuit breaker B16	5
Max. number of luminaires per miniature circuit breaker C10	4
Max. number of luminaires per miniature circuit breaker C16	7
Power factor λ	> 0.90
Total harmonic distortion	< 10 %
Protection class	II
Surge capability (L-N)	6 kV
Operating mode	Integrated LED driver
Dimming interface	AstroDIM

Photometrical data

Luminous flux	13500 lm
Luminous efficacy	150 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	135 ° x 70 °

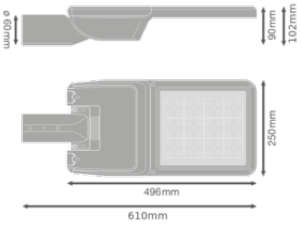
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SLFLEXMDP 090W 730
RW35STN48 WAC2O1

Dimensions & Weight

Length	610.00 mm
Width	250.00 mm
Height	102.00 mm
Product weight	5800.00 g



SL FLEX MD P N C2 01

Materials & Colors

Product color	White aluminum
Housing color	White aluminum
RAL Color (most similar)	RAL 9006
Body material	Aluminum
Cover material	Glass
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C

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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
Corrosion resistance class acc. to EN 12944	C4
Dimmable	No
Mounting type	Side entry|post top
Mounting location	Pole
Application environment	Outdoor
Mechanically adjustable	No
With light source	Yes
Replaceable light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	100000 h [1)]
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	100000 h
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	590 mA
ECG - Output ripple current	≤ 10 %

Certificates & Standards

Standards	CE / ENEC+ / ENEC / EAC / UKCA / DarkSky / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00059-V02.01-EN
Replaceable light source (EPREL)	Only by an expert

Additional product data

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Added function	Configurable

Accessories Optional

Product image	Product name	EAN
	SL FLEX SPIGOT 76MM WAL	4058075552531
	SL FLEX REDUCTION 60 TO 42MM WAL	4058075552579

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	SL FLEX
PDF	Legal information	LISO Insert G11233149
PDF	Legal information	Safety Insert G11218810
PDF	Declarations of conformity	SL FLEX
PDF	Declarations of conformity UKCA	SL FLEX
PDF	Certificates	ENEC CERTIFICATE CLASS II SL FLEX GEN2
PDF	Certificates	ENEC PLUS CERTIFICATE CLASS II SL FLEX GEN2

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	Documents and certificates	Document name
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION STREETLIGHT FLEX GEN 2

	Photometric and lighting design files	Document name
IES	IES file (IES)	SLFLEXMDP 090W 730 RW35STN48 WAC2O1
LDT	LDT file (Eulumdat)	SLFLEXMDP 090W 730 RW35STN48 WAC2O1
ULD	ULD file (DIALux)	SLFLEXMDP 090W 730 RW35STN48 WAC2O1
ROLF	ROLF file (RELUX)	SLFLEXMDP 090W 730 RW35STN48 WAC2O1
	Light distribution curve type polar	SLFLEXMDP 090W 730 RW35STN48 WAC2O1

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Streetlight Flex G2
STEP	CAD STEP 3D	SL_FLEX_MD

	Tender texts	Document name
TXT	Tender documents	STREETLIGHT FLEX MEDIUM 1DIM 90W 730 RW35ST 1DIM WA-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854792649	Shipping box 1	553 mm x 328 mm x 235 mm	6569.00 g	42.63 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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