PRODUCT DATASHEET
SL FLEX SM Z1 RV25ST P 25W 740 WAL

STREETLIGHT FLEX SMALL RV25ST | Light distribution for general road lighting

Areas of application

– Outdoor use (IP66)
– M-, C- and P-class roads acc. to EN 13201
– Parking
– Public areas
– Industry

PERFOR-MANCE CLASS

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
– 3 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

– 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
– Additional reduction for 42 mm and adapter for 76 mm poles available separately
– Adjustable spigot for both side-entry and post-top installation
– +/- 15° tilt angle adjustment without opening the housing

– High luminous efficacy: up to 144 lm/W
– Operating temperature: -40...50 °C
– High surge protection: up to 10 kV (L/N-GND)
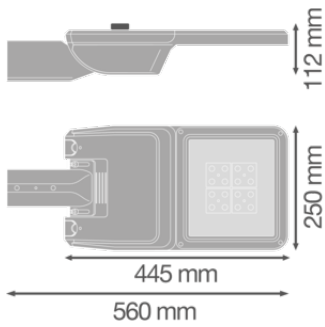– Protection class: II

TECHNICAL DATA

Electrical data

Nominal wattage	25.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	115 mA
Inrush current	26 A
Inrush current time T_{h50}	180 µs
Max. number of luminaires per miniature circuit breaker B16	18
Max. number of luminaires per miniature circuit breaker C10	28
Max. number of luminaires per miniature circuit breaker C16	36
Power factor λ	> 0.90
Total harmonic distortion	< 10 %
Protection class	II
Operating mode	Integrated LED driver
Dimming interface	DALI/DEXAL/D4i / DALI-2 / StepDIM / AstroDIM

Photometrical data

Luminous flux	3550 lm
Luminous efficacy	141 lm/W
Color temperature	4000 K
Light color (designation)	Cool 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	25 ° x 145 °

Dimensions & Weight

Length	560.00 mm
Width	250.00 mm
Height	112.00 mm
Product weight	4600.00 g

112 mm

250 mm

445 mm

560 mm

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WAL

Materials & Colors

Product color	White aluminum
Housing color	White aluminum
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)	IK08
Dimmable	Yes
Type of dimming	DALI D4i
Mounting type	Post top
Mounting location	Pole
Application environment	Outdoor
Adjustable	Yes
With 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

[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	480 mA
ECG - Output ripple current	≤ 10 %

Sensor

Type of connection for sensor/communication module	Single Zhaga book 18

Certificates & Standards

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

EQUIPMENT / ACCESSORIES

– Spigot for 42 and 76 mm poles available separately

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	SL FLEX

	Photometric and lighting design files	Document name
IES	IES file (IES)	SLFLEX SM Z1 RV25ST P25W 740 WAL
LDT	LDT file (Eulumdat)	SLFLEX SM Z1 RV25ST P25W 740 WAL

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854393679	Shipping box 1	502 mm x 330 mm x 235 mm	5435.00 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.

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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