# PRODUCT DATASHEET
# STREETLIGHT FLEX SMALL 52W 730 RV25ST ZHAGA TOP&BOTTOM WA

STREETLIGHT FLEX SMALL ZHAGA TOP&BOTTOM | Light distribution for general road lighting



CONFIGURABLE

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
- 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

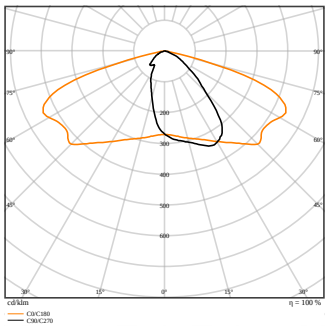
## Electrical data

| | |
|---|---|
| Nominal wattage | 52.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 238 mA |
| Inrush current | 26 A |
| Inrush current time $T_{h50}$ | 180 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 16 |
| Max. number of luminaires per miniature circuit breaker C10 | 13 |
| Max. number of luminaires per miniature circuit breaker C16 | 21 |
| Power factor λ | > 0.90 |
| Maximum total harmonic distortion | < 10 % |
| Protection class | II |
| Surge capability (L-N) | 6 kV |
| Operating mode | Integrated LED driver |
| Dimming interface | DALI-2 / DALI D4i |

## Photometrical data

| | |
|---|---|
| Luminous flux | 7644 lm |
| Luminous efficacy | 147 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 ° |

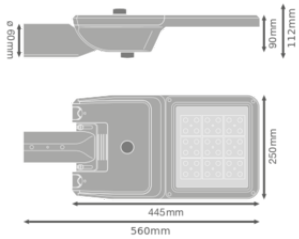

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SLFLEXSMP 052W 730 RV25ST224 WAC2DX

## Dimensions & Weight

| | |
|---|---|
| Length | 560.00 mm |
| Width | 250.00 mm |
| Height | 112.00 mm |
| Product weight | 4950.00 g |




SL FL SM P 740 RU20ST WA C2 OD

## 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 |


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| | |
|---|---|
| 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 |
| Corrosion resistance class acc. to EN 12944 | C4 |
| Dimmable | Yes |
| IoT ready | Support of DALI data type PART 251, 252, 253 [1)] |
| Mounting type | Side entry\|post top |
| Mounting location | Pole |
| Application environment | Outdoor |
| Mechanically adjustable | No |
| With light source | Yes |
| Replaceable light source | Yes |

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

## 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)] |
| 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 | 1000 mA |
| Output ripple current (100 Hz) | ≤ 10 % |

## Sensor

| | |
|---|---|
| Type of connection for sensor/communication module | Dual Zhaga socket (on top and bottom) |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / ENEC+ / ENEC / EAC / UKCA / DarkSky / EPD |


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| | |
|---|---|
| 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

| | |
|---|---|
| Added function | VIVARES / 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 |


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| | Documents and certificates | Document name |
|---|---|---|
| PDF | Certificates | ENEC CERTIFICATE CLASS II SL FLEX GEN2 |
| PDF | Certificates | ENEC PLUS CERTIFICATE CLASS II SL FLEX GEN2 |
| PDF | EPD | ENVIRONMENTAL PRODUCT DECLARATION STREETLIGHT FLEX GEN 2 |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | SLFLEXSMP 052W 730 RV25ST224 WAC2DX |
| LDT | LDT file (Eulumdat) | SLFLEXSMP 052W 730 RV25ST224 WAC2DX |
| ULD | ULD file (DIALux) | SLFLEXSMP 052W 730 RV25ST224 WAC2DX |
| ROLF | ROLF file (RELUX) | SLFLEXSMP 052W 730 RV25ST224 WAC2DX |
| | Light distribution curve type polar | SLFLEXSMP 052W 730 RV25ST224 WAC2DX |

| | CAD/BIM files | Document name |
|---|---|---|
| RFA | BIM Revit 3D | Streetlight Flex G2 |
| STEP | CAD STEP 3D | SL_FLEX_SM |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854792397 | Shipping box<br>1 | 502 mm x 330 mm x 235 mm | 5785.00 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

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