# PRODUCT DATASHEET
# STREETLIGHT FLEX LARGE 115W 730 RW35ST 1DIM WA

STREETLIGHT FLEX LARGE 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 | 115.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 526 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 | 18170 lm |
| Luminous efficacy | 158 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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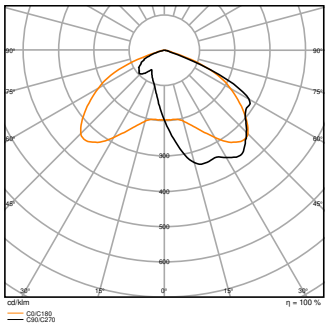
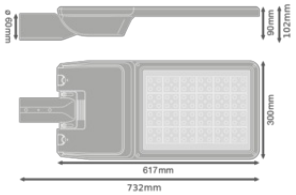



SLFLEXLAP 115W 730
RW35STN72 WAC2O1

## Dimensions & Weight

| | |
|---|---|
| Length | 732.00 mm |
| Width | 300.00 mm |
| Height | 102.00 mm |
| Product weight | 7700.00 g |




SL FLEX LA P N C2 O1

## 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 |
| Mercury content | 0.0 mg |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## 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 | 580 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

| | |
|---|---|
| Added function | Configurable |


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## 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 |
| PDF | EPD | ENVIRONMENTAL PRODUCT DECLARATION STREETLIGHT FLEX GEN 2 |


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| | Photometric and lighting design files | Document name |
|---|---|---|
| | IES file (IES) | SLFLEXLAP 115W 730 RW35STN72 WAC2O1 |
| | LDT file (Eulumdat) | SLFLEXLAP 115W 730 RW35STN72 WAC2O1 |
| | ULD file (DIALux) | SLFLEXLAP 115W 730 RW35STN72 WAC2O1 |
| | ROLF file (RELUX) | SLFLEXLAP 115W 730 RW35STN72 WAC2O1 |
| | Light distribution curve type polar | SLFLEXLAP 115W 730 RW35STN72 WAC2O1 |

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

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | STREETLIGHT FLEX LARGE 1DIM 115W 730 RW35ST 1DIM WA-en |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854792687 | Shipping box<br>1 | 678 mm x 378 mm x 227 mm | 8735.00 g | 58.18 $dm^3$ |

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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