

# PRODUCT DATASHEET

## SL FLEX MD RW35ST P 80W 730 WAL

STREETLIGHT FLEX MEDIUM RW35ST | Light distribution optimized for wider roads and area lighting



PERFOR-  
MANCE  
CLASS

### Areas of application

- Outdoor use (IP66)
- M-, C- and P-class roads acc. to EN 13201
- Parking
- 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
- 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 distribution with great depth
- 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

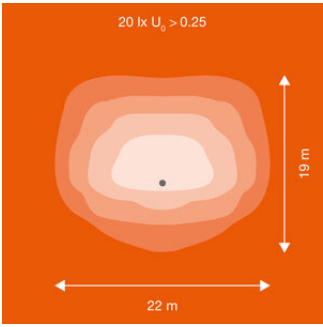
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**TECHNICAL DATA****Electrical data**

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 80.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 385 mA                |
| Inrush current                                              | 65 A                  |
| Inrush current time $T_{h50}$                               | 220 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 9                     |
| Max. number of luminaires per miniature circuit breaker C10 | 10                    |
| Max. number of luminaires per miniature circuit breaker C16 | 19                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 10 %                |
| Protection class                                            | II                    |
| Operating mode                                              | Integrated LED driver |

**Photometrical data**

|                                              |                      |
|----------------------------------------------|----------------------|
| Luminous flux                                | 11300 lm             |
| Luminous efficacy                            | 141 lm/W             |
| Color temperature                            | 3000 K               |
| Light color (designation)                    | Warm White           |
| Color rendering index Ra                     | 70                   |
| Standard deviation of color matching         | < 5 sdc <sub>m</sub> |
| Low flicker                                  | Yes                  |
| Photobiological safety group acc. to EN62778 | RG1                  |
| Photobiological safety group acc. to EN62471 | RG1                  |
| Beam angle                                   | 35 ° x 135 °         |



Streetlight Flex 80W RW35ST  
simplified isolux diagram

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 496.00 mm |
| Width          | 250.00 mm |
| Height         | 90.00 mm  |
| Product weight | 5600.00 g |

SL FLEX MD P WAL

Materials & Colors

|                                            |                |
|--------------------------------------------|----------------|
| Product color                              | White aluminum |
| Housing color                              | White aluminum |
| RAL Color (most similar)                   | RAL 9006       |
| 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                               | No       |
| Mounting type                          | Post top |
| Mounting location                      | Pole     |
| Application environment                | Outdoor  |
| Adjustable                             | Yes      |
| With light source                      | Yes      |
| Replaceable light source               | No       |

### Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 100000 h               |
| Lifespan L90/B10 at 25 °C  | 100000 h               |
| Number of switching cycles | 100000                 |

<sup>1)</sup> 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              | 550 mA |
| ECG - Output ripple current | ≤ 10 % |

### Certificates & Standards

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| Standards                                            | CE / ENEC / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No                    |
| Ball shot safe                                       | No                    |
| EPD                                                  | LEDV-00023-V01.01-EN  |
| Replaceable light source (EPREL)                     | Not replaceable       |

### Accessories Optional

| Product image                                                                       | Product name            | EAN           |
|-------------------------------------------------------------------------------------|-------------------------|---------------|
|  | SL FLEX SPIGOT 76MM WAL | 4058075552531 |

| Product image                                                                     | Product name                     | EAN           |
|-----------------------------------------------------------------------------------|----------------------------------|---------------|
|  | SL FLEX REDUCTION 60 TO 42MM WAL | 4058075552579 |

## EQUIPMENT / ACCESSORIES

– Spigot for 42 and 76 mm poles available separately

## DOWNLOAD DATA

| Documents and certificates                                                                                              | Document name                      |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------|
|  User instruction / safety instructions | SL FLEX WAL                        |
|  Legal information                      | LSI SL FLEX LA P                   |
|  Legal information                      | Legal insert SL FLEX WAL           |
|  Legal information                    | Informationstext 18 Abs 4 ElektroG |
|  Legal information                    | Safety Insert G11218810            |
|  Declarations of conformity           | SL FLEX MD                         |
|  Declarations of conformity UKCA      | SL FLEX WAL                        |
|  EPD                                  | EPD EN STREETLIGHT FLEX            |

| Photometric and lighting design files                                                                  | Document name                   |
|--------------------------------------------------------------------------------------------------------|---------------------------------|
|  IES file (IES)      | SL FLEX MD P 80W 730 RW35ST WAL |
|  LDT file (Eulumdat) | SL FLEX MD P 80W 730 RW35ST WAL |
|  ULD file (DIALux)   | SL FLEX MD P 80W 730            |
|  ROLF file (RELUX)   | SL FLEX MD P 80W 730            |

| Photometric and lighting design files                                             |                                     | Document name                                         |
|-----------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
|  | Light distribution curve type polar | Streetlight Flex 80W RW35ST simplified isolux diagram |
| CAD/BIM files                                                                     |                                     | Document name                                         |
|   | BIM Revit 3D                        | SL_FLEX_MD                                            |
|   | CAD STEP 3D                         | SL_FLEX_MD                                            |
| Tender texts                                                                      |                                     | Document name                                         |
|   | Tender documents                    | STREETLIGHT FLEX MEDIUM RW35ST P 80W 730 WAL-EN       |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075552388 | Shipping box<br>1            | 553 mm x 328 mm x 235 mm             | 6369.00 g    | 42.63 dm <sup>3</sup> |

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.

## ADDITIONAL CATALOG INFORMATION

### References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

### DISCLAIMER

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