

# PRODUCT DATASHEET

## SL FLEX LA RW35ST P 158W 727 WAL

STREETLIGHT FLEX LARGE 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 151 lm/W
- Operating temperature: -40...50 °C
- High surge protection: up to 10 kV (L/N-GND)
- Push fit terminal for a quick and easy electrical connection
- Protection class: II

## TECHNICAL DATA

### Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 158.00 W              |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 756 mA                |
| Inrush current                                              | 80 A                  |
| Inrush current time $T_{h50}$                               | 150 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 7                     |
| Max. number of luminaires per miniature circuit breaker C10 | 8                     |
| Max. number of luminaires per miniature circuit breaker C16 | 14                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 10 %                |
| Protection class                                            | II                    |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

|                                              |                      |
|----------------------------------------------|----------------------|
| Luminous flux                                | 21000 lm             |
| Luminous efficacy                            | 133 lm/W             |
| Color temperature                            | 2700 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 °         |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 617.00 mm |
| Width          | 300.00 mm |
| Height         | 90.00 mm  |
| Product weight | 7700.00 g |

## 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         |

## 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                |
| LED module replaceable                 | Not replaceable    |
| With light source                      | Yes                |

## Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 100000 h <sup>1)</sup> |
| 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 | 625 mA |
|----------------|--------|

|                             |        |
|-----------------------------|--------|
| ECG - Output ripple current | ≤ 10 % |
|-----------------------------|--------|

## Certificates & Standards

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Standards                                            | CE / ENEC / EAC |
| Luminaire with limited surface temperature, "D sign" | No              |
| Ball shot safe                                       | No              |

## EQUIPMENT / ACCESSORIES

- Spigot for 42 and 76 mm poles available separately

## DOWNLOAD DATA

| Documents and certificates                                                          |                                 |
|-------------------------------------------------------------------------------------|---------------------------------|
|     | User instruction                |
|     | Addon Technical Information     |
|   | Packaging insert                |
|   | Declarations Of Conformity CE   |
|   | Declarations Of Conformity UKCA |
| Photometric and lighting design files                                               |                                 |
|  | IES file (IES)                  |
|  | LDT file (Eulumdat)             |
|  | ULD file (DIALux)               |
|   | ROLF file (RELUX)               |
| CAD/BIM files                                                                       |                                 |
|   | BIM_Revit_3D                    |
|   | CAD_STEP_3D                     |

## Tender texts



Tender documents

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075552487 | Shipping box<br>1            | 678 mm x 378 mm x 227 mm             | 8735.00 g    | 58.18 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)

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