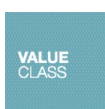


# PRODUCT DATASHEET

## SL AREA SPD XL V 150W 765 RV35ST GY

STREETLIGHT AREA EXTRA LARGE RV35ST | Fitting a broad range of street and area lighting applications



### Areas of application

- Outdoor use (IP66)
- M-, C- and P-class roads acc. to EN 13201
- Car parks
- Area lighting

### Product benefits

- Functional and minimalistic design
- Low maintenance and operation costs due to long lifetime of LED
- 5 years guarantee

### Product features

- Light distributions optimized for streets of similar width to the pole height
- Spigot included, suitable for 48...60 mm diameter poles
- Adjustable spigot for both side-entry and post-top installation
- +/- 30° tilt angle adjustment without opening the housing
- High luminous efficacy: up to 135 lm/W
- Operating temperature: -30...50 °C
- High surge protection: up to 10 kV (L/N-PE)



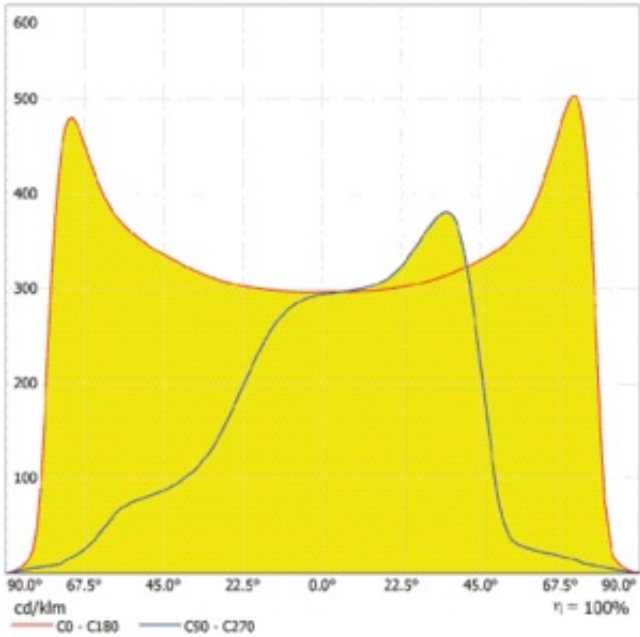
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**TECHNICAL DATA****Electrical data**

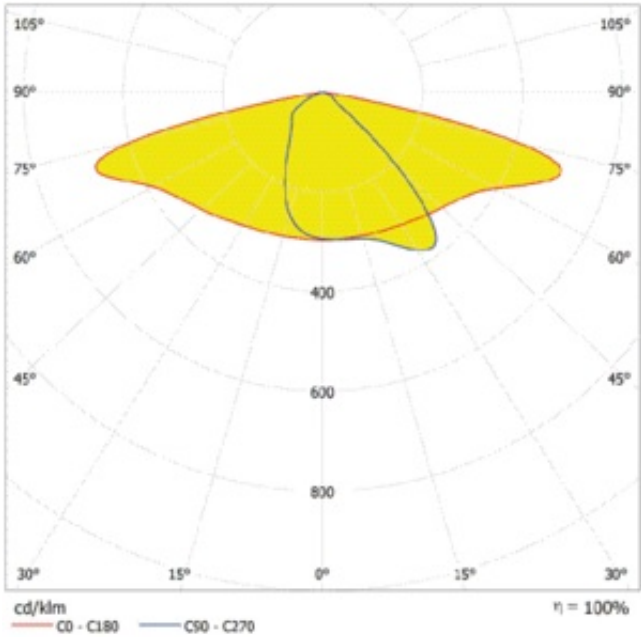
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 150.00 W              |
| Nominal voltage                                             | 100...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 640.000 mA            |
| Inrush current                                              | 8.9 A                 |
| Inrush current time $T_{h50}$                               | 400 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 17                    |
| Max. number of luminaires per miniature circuit breaker C10 | 11                    |
| Max. number of luminaires per miniature circuit breaker C16 | 18                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

**Photometrical data**

|                                              |                      |
|----------------------------------------------|----------------------|
| Luminous flux                                | 20250 lm             |
| Luminous efficacy                            | 135 lm/W             |
| Color temperature                            | 6500 K               |
| Light color (designation)                    | Cool Daylight        |
| 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                                   | 155° x 69°           |



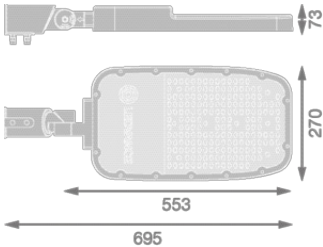
LDC typ cone



LDC typ polar

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 553.00 mm |
| Width          | 270.00 mm |
| Height         | 73.00 mm  |
| Product weight | 4150.00 g |
| Cable length   | 500 mm    |



Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | Gray               |
| Housing color                              | Gray               |
| Body material                              | Aluminum           |
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C             |

### Application & Mounting

|                                        |                     |
|----------------------------------------|---------------------|
| Ambient temperature range              | -30...+50 °C        |
| Temperature range at storage           | -30...+80 °C        |
| Type of connection                     | Cable, 3-pole       |
| Type of protection                     | IP66                |
| Protection class IK (shock resistance) | IK08                |
| Dimmable                               | No                  |
| Mounting type                          | Side entry 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  | 70000 h <sup>1)</sup>  |
| Lifespan L90/B10 at 25 °C  | 30000 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              | 840 mA |
| ECG - Output ripple current | < 5 %  |

### Certificates & Standards

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

DOWNLOAD DATA

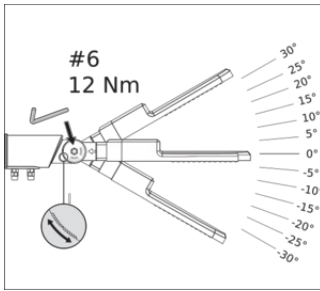
| Documents and certificates                                                          |                                 |
|-------------------------------------------------------------------------------------|---------------------------------|
|    | User instruction                |
|    | Packaging 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)               |
|  | LDC typ cone                    |
|  | LDC typ polar                   |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854080036 | Folding box<br>1             | 79 mm x 722 mm x 297 mm              | 4315.00 g    | 16.94 dm³ |
| 4099854080043 | Shipping box<br>2            | 741 mm x 316 mm x 185 mm             | 9313.00 g    | 43.32 dm³ |

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



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## DISCLAIMER

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