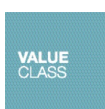


# PRODUCT DATASHEET

## SL AREA SPD LA V 90W 730 RV35ST GY

STREETLIGHT AREA 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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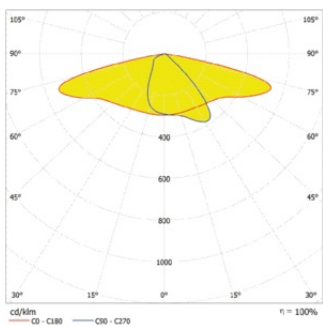
## TECHNICAL DATA

### Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 90.00 W               |
| Nominal voltage                                             | 100...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 420.000 mA            |
| Inrush current                                              | 9.8 A                 |
| Inrush current time $T_{h50}$                               | 360 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 28                    |
| Max. number of luminaires per miniature circuit breaker C10 | 18                    |
| Max. number of luminaires per miniature circuit breaker C16 | 30                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

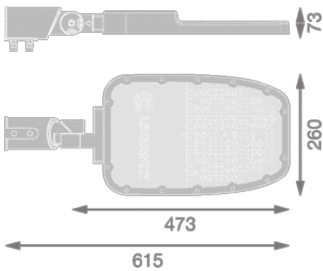
|                                              |                      |
|----------------------------------------------|----------------------|
| Luminous flux                                | 11700 lm             |
| Luminous efficacy                            | 130 lm/W             |
| Color temperature                            | 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                                   | 155° x 69°           |



SL AREA SPD LA V 90W

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 473.00 mm |
| Width          | 260.00 mm |
| Height         | 73.00 mm  |
| Product weight | 3200.00 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                 |
| 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  | 70000 h <sup>1)</sup>  |
| Lifespan L80/B50 at 25 °C  | 70000 h                |
| 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              | 510 mA |
| ECG - Output ripple current | < 5 %  |

### Sensor

|                                                    |       |
|----------------------------------------------------|-------|
| Type of connection for sensor/communication module | Other |
|----------------------------------------------------|-------|

### Certificates & Standards

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Standards                                            | CE / REACH / RoHS / ENEC |
| Luminaire with limited surface temperature, "D sign" | No                       |
| Ball shot safe                                       | No                       |
| Replaceable light source (EPREL)                     | Not replaceable          |

### DOWNLOAD DATA

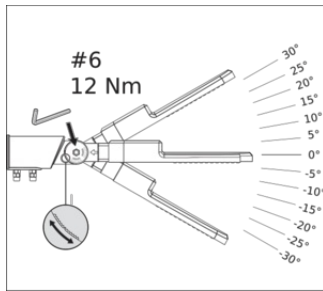
| Documents and certificates                                                         |                                        | Document name                                      |
|------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------|
|    | User instruction / safety instructions | UI SL AREA V                                       |
|    | Legal information                      | Legal Insert SL AREA SPD                           |
|    | Legal information                      | SL AREA                                            |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG                 |
|    | Declarations of conformity             | CE Declaration SL AREA SPD V                       |
|    | Declarations of conformity UKCA        | UKCA Declaration SL AREA SPD V                     |
| Photometric and lighting design files                                              |                                        | Document name                                      |
|    | IES file (IES)                         | SL AREA SPD LA V 90W 730 RV35ST GY                 |
|   | LDT file (Eulumdat)                    | SL AREA SPD LA V 90W 730 RV35ST GY                 |
|  | ULD file (DIALux)                      | SL AREA SPD LA V 90W 730                           |
|  | ROLF file (RELUX)                      | SL AREA SPD LA V 90W 730 RV35ST                    |
|  | Light distribution curve type polar    | SL AREA SPD LA V 90W                               |
| Tender texts                                                                       |                                        | Document name                                      |
|  | Tender documents                       | STREETLIGHT AREA LARGE RV35ST 90W 730 RV35ST GY-EN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854079825 | Folding box<br>1             | 79 mm x 642 mm x 280 mm              | 3330.00 g    | 14.20 dm <sup>3</sup> |
| 4099854079832 | Shipping box<br>2            | 661 mm x 299 mm x 185 mm             | 7260.00 g    | 36.56 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.

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**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.