

# PRODUCT DATASHEET

## URB LTRN V 29W SYM PS 822-827 IP66 BK

URBAN LANTERN SYMMETRIC | For area lighting applications



### Areas of application

- Replacement for luminaires with mercury vapor or metal halide lamps
- Streets
- Residential installations
- Pedestrian zones
- Parks
- Public areas

### Product benefits

- Highly versatile due to selectable CCT and power steps (Power Select - PS)
- Low flicker light thanks to special electronic control gear
- Energy savings thanks to system efficacy of up to 139 lm/W
- Bright, robust and durable

### Product features

- Protection class: II
- Lifetime (L80/B10): up to 100,000 h (at 25 °C)
- Type of protection: IP66
- Impact resistance: IK10
- Symmetric light distribution

## TECHNICAL DATA

### Electrical data

|                                                             |                                           |
|-------------------------------------------------------------|-------------------------------------------|
| Nominal wattage                                             | 29 W / 25 W / 20.0 W / 15 W <sup>1)</sup> |
| Nominal voltage                                             | 220...250 V                               |
| Mains frequency                                             | 50...60 Hz                                |
| Nominal current                                             | 70-90-110-130 mA                          |
| Inrush current                                              | 25.8 A                                    |
| Inrush current time T <sub>h50</sub>                        | 300 µs                                    |
| Max. number of luminaires per miniature circuit breaker B16 | 8                                         |
| Max. number of luminaires per miniature circuit breaker C10 | 8                                         |
| Max. number of luminaires per miniature circuit breaker C16 | 13                                        |
| Power factor $\lambda$                                      | > 0.90                                    |
| Total harmonic distortion                                   | < 20 %                                    |
| Protection class                                            | II                                        |
| Surge capability (L-N)                                      | 6 kV                                      |
| Operating mode                                              | Integrated LED driver                     |

<sup>1)</sup> For possible options refer to lumen/power table image

### Photometrical data

|                                              |                                                     |
|----------------------------------------------|-----------------------------------------------------|
| Luminous flux                                | 3538 lm / 3050 lm / 2440 lm / 1830 lm <sup>1)</sup> |
| Luminous efficacy                            | 122 lm/W <sup>1)</sup>                              |
| Color temperature                            | 2200 K / 2700 K                                     |
| Light color (designation)                    | Warm White                                          |
| Color rendering index Ra                     | 80                                                  |
| Standard deviation of color matching         | 5 sdcm                                              |
| Low flicker                                  | Yes                                                 |
| Flickering metric (Pst LM)                   | <1                                                  |
| Stroboscope effect metric (SVM)              | <0.4                                                |
| Photobiological safety group acc. to EN62778 | RG1                                                 |
| Beam angle                                   | 145 °                                               |

<sup>1)</sup> For possible options refer to lumen/power table image



URB LTRN V 29/59W SYMPS

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 395.00 mm |
| Height         | 417.00 mm |
| Product weight | 4200.00 g |
| Cable length   | 250 mm    |



URBAN LANTERN

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | Black              |
| Housing color                              | Black              |
| RAL Color (most similar)                   | RAL 9017           |
| Body material                              | Aluminum           |
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 750 °C             |
| Mercury content                            | 0.0 mg             |

Application & Mounting

|                           |              |
|---------------------------|--------------|
| Ambient temperature range | -30...+50 °C |
|---------------------------|--------------|

|                                        |               |
|----------------------------------------|---------------|
| Temperature range at storage           | -35...+80 °C  |
| Type of connection                     | Cable, 3-pole |
| Type of protection                     | IP66          |
| Protection class IK (shock resistance) | IK10          |
| Dimmable                               | No            |
| Mounting type                          | Post top      |
| Mounting location                      | Pole          |
| Application environment                | Outdoor       |
| Adjustable                             | No            |
| 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  | 68000 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              | 765...650...520...390 mA |
| ECG - Output ripple current | < 20 %                   |

### Certificates & Standards

|                                                      |                              |
|------------------------------------------------------|------------------------------|
| Standards                                            | CE / UKCA / EAC / ENEC / EPD |
| Luminaire with limited surface temperature, "D sign" | No                           |
| Ball shot safe                                       | No                           |
| EPD                                                  | LEDV-00041-V01.01-EN         |

### Additional product data

|                |              |
|----------------|--------------|
| Added function | MULTI SELECT |
|----------------|--------------|

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name              |
|------------------------------------------------------------------------------------|----------------------------------------|----------------------------|
|  | User instruction / safety instructions | URBAN LANTERN              |
|  | Legal information                      | Legal Insert URBAN LANTERN |

| Documents and certificates                                                       |                                 | Document name                      |
|----------------------------------------------------------------------------------|---------------------------------|------------------------------------|
|  | Legal information               | LISO Insert URBAN LANTERN          |
|  | Legal information               | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity      | URBAN LANTERN LUM                  |
|  | Declarations of conformity UKCA | URBAN LANTERN LUM                  |

| Photometric and lighting design files                                              |                                     | Document name                                    |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------|
|    | IES file (IES)                      | URBAN LANTERN V 29W SYM PS 822-827 IP66 BK 2200K |
|    | IES file (IES)                      | URBAN LANTERN V 29W SYM PS 822-827 IP66 BK 2700K |
|    | LDT file (Eulumdat)                 | URBAN LANTERN V 29W SYM PS 822-827 IP66 BK 2200K |
|   | LDT file (Eulumdat)                 | URBAN LANTERN V 29W SYM PS 822-827 IP66 BK 2700K |
|  | ULD file (DIALux)                   | URB LTRN V 29W SYMPS822-827 IP66 BK              |
|  | ROLF file (RELUX)                   | URB LTRN V 29W SYMPS822-827 IP66 BK              |
|  | Light distribution curve type polar | URB LTRN V 29/59W SYMPS                          |

| CAD/BIM files                                                                      |              | Document name |
|------------------------------------------------------------------------------------|--------------|---------------|
|  | BIM Revit 3D | Urban Lantern |
|  | CAD STEP 3D  | URBAN LATERN  |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854287633 | Shipping box<br>1            | 435 mm x 435 mm x 220 mm             | 4565.00 g    | 41.63 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

| Temp.   | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   |
|---------|------|------|------|------|------|------|------|------|------|------|
| Typical | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| min     | 167  | 167  | 167  | 167  | 167  | 167  | 167  | 167  | 167  | 167  |
| max     | 2667 | 2667 | 2667 | 2667 | 2667 | 2667 | 2667 | 2667 | 2667 | 2667 |

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References / Links

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

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