

# PRODUCT DATASHEET

## Urban Lantern Square Asymmetric 29W 822-827 IP66 Black

URBAN LANTERN SQUARE ASYMMETRIC | Fitting pathway, bicycle path lighting applications



VALUE  
CLASS

### 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
- Asymmetric light distribution

## TECHNICAL DATA

### Electrical data

|                                                             |                             |
|-------------------------------------------------------------|-----------------------------|
| Nominal wattage                                             | 29 W / 25 W / 20.0 W / 15 W |
| 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 $T_{h50}$                               | 330 $\mu$ s                 |
| 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       |

### Photometrical data

|                                              |                    |
|----------------------------------------------|--------------------|
| Luminous flux                                | 3550 lm            |
| Luminous efficacy                            | 107 lm/W           |
| Color temperature                            | 2200...2700 K      |
| Light color (designation)                    | Warm White         |
| Color rendering index Ra                     | > 80               |
| Standard deviation of color matching         | 6 sdc <sub>m</sub> |
| Low flicker                                  | Yes                |
| Flickering metric (Pst LM)                   | <1                 |
| Stroboscope effect metric (SVM)              | <0.4               |
| Photobiological safety group acc. to EN62778 | RG1                |
| Beam angle                                   | 135 ° x 85 °       |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 395.00 mm |
| Width          | 395.00 mm |
| Height         | 413.00 mm |
| Product weight | 4610.00 g |
| Cable length   | 250 mm    |

## URB LTRN SQV

## Materials &amp; Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | Black              |
| Housing color                              | Black              |
| Body material                              | Aluminum           |
| Cover material                             | Plastic            |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C             |
| Mercury content                            | 0.0 mg             |

## Application &amp; Mounting

|                                        |               |
|----------------------------------------|---------------|
| Ambient temperature range              | -30...+50 °C  |
| Temperature range at storage           | -35...+80 °C  |
| Type of connection                     | Cable, 2-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              | 390/520/650/770 mA |
| ECG - Output ripple current | < 20 %             |

## Certificates & Standards

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

## Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                    |
|------------------------------------------------------------------------------------|----------------------------------------|----------------------------------|
|    | User instruction / safety instructions | URBL TRNSQV                      |
|    | Addon technical information            | URBL TRNSQV                      |
|  | Legal information                      | URBL TRNSQV                      |
|  | Declarations of conformity             | URBAN LANTERN                    |
|  | Declarations of conformity UKCA        | URBAN LANTERN                    |
|  | Certificates                           | ENEC URBAN LANTERN               |
| Photometric and lighting design files                                              |                                        | Document name                    |
|  | IES file (IES)                         | URBLTRNSQV29WASYMPS822-827IP66BK |
|  | LDT file (Eulumdat)                    | URBLTRNSQV29WASYMPS822-827IP66BK |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854592072 | Shipping box<br>1            | 440 mm x 440 mm x 190 mm             | 5230.00 g    | 36.78 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.

## DISCLAIMER

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