

# PRODUCT DATASHEET

## URB LTRN V 59W ASYM PS 822-827 IP66 BK

URBAN LANTERN 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

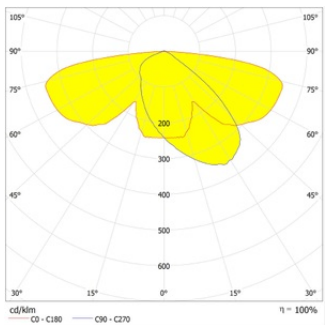
|                                                             |                                         |
|-------------------------------------------------------------|-----------------------------------------|
| Nominal wattage                                             | 59 W / 49 W / 42 W / 34 W <sup>1)</sup> |
| Nominal voltage                                             | 220...250 V                             |
| Mains frequency                                             | 50...60 Hz                              |
| Nominal current                                             | 150-190-215-260 mA                      |
| Inrush current                                              | 30.6 A                                  |
| Inrush current time T <sub>h50</sub>                        | 300 µs                                  |
| Max. number of luminaires per miniature circuit breaker B16 | 7                                       |
| Max. number of luminaires per miniature circuit breaker C10 | 7                                       |
| Max. number of luminaires per miniature circuit breaker C16 | 11                                      |
| 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                                | 7375 lm / 6125 lm / 5250 lm / 4250 lm <sup>1)</sup> |
| Luminous efficacy                            | 125 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                                   | 165° x 65°                                          |

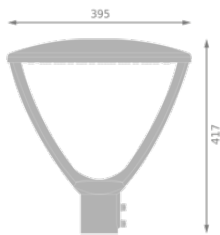
<sup>1)</sup> For possible options refer to lumen/power table image



URB LTRN V29/59W ASYMPS

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 395.00 mm |
| Height         | 417.00 mm |
| Product weight | 4300.00 g |
| Cable length   | 250 mm    |



URBAN LANTERN

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | Black              |
| Housing color                              | Black              |
| 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           |

### 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  | 63000 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              | 1490...1240...1060...850 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        |

### 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 |
|  | Legal information                      | LISO Insert URBAN LANTERN  |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854287695 | Shipping box<br>1            | 435 mm x 435 mm x 220 mm             | 4665.00 g    | 41.63 dm³ |

## ADDITIONAL CATALOG INFORMATION

| $r_{\text{MC}}$        | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| $\rho_{\text{plasma}}$ | 0.000 | 0.010 | 0.030 | 0.100 | 0.200 | 0.300 | 0.400 | 0.500 |
| $\ln W$                | 107   | 122   | 107   | 122   | 107   | 122   | 110   | 125   |
| $\ln$                  | 1830  | 1830  | 2143  | 2645  | 3075  | 3690  | 4193  | 4820  |

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