

PRODUCT DATASHEET

Urban Lantern Square Symmetric 29W 822-827 IP66 Gray

URBAN LANTERN SQUARE SYMMETRIC | Fitting 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
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 μ 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 λ	> 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 _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	145 °

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 & Colors

Product color	Gray
Housing color	Gray
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 & 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 ¹⁾
Lifespan L80/B10 at 25 °C	100000 h ¹⁾
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	68000 h
Number of switching cycles	100000

¹⁾ 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)	URBLTRNSQV29WSYMPS822-827IP66GY
	LDT file (Eulumdat)	URBLTRNSQV29WSYMPS822-827IP66GY

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854592041	Shipping box 1	440 mm x 440 mm x 190 mm	5230.00 g	36.78 dm ³

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.