



# UrbanStar

## BDS100 LED23-3S/830 I DGR CLO C5K

UrbanStar, LED module 2300 lm, Constant light output

In residential areas, the familiar conical luminaires equipped with PL-L or HPL lamps can now be replaced by a charming design luminaire incorporating leading-edge LED technology – without losing any of the visual balance and ambiance provided by the former solution. UrbanStar is a highly efficient LED luminaire, which enables a significant reduction in energy consumption compared to PL-L solutions. It has been specially designed for residential applications, and its translucent cone delivers very comfortable light.

### Product data

General Information	
Lamp family code	LED23 [LED module 2300 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source engine type	LED
Product family code	BDS100 [UrbanStar]
Lighting Technology	LED
Value ladder	Performance
Embedded control	Constant light output

CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical	
Upwards light output ratio	0.03
Luminous Flux	1,923 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	91.6 lm/W
Colour rendering index (CRI)	80
Light source colour	830 warm white
Optical cover type	Polycarbonate bowl/cover

Luminaire light beam spread	360°
Optic type outdoor	Distribution residential wide

#### Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	10.4 W
Average CLO power consumption	12.2 W
End CLO power consumption	18 W
Inrush current	65 A
Inrush time	0.1 ms
Power Consumption	21 W
Power Factor (Fraction)	0.8
Connection	Flying leads/cables
Cable	Cable 5.0 m without plug
Number of products on MCB of 16 A type B	32

#### Temperature

Ambient temperature range	-40 to +50 °C
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#### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating with constant light output
Constant light output	Yes

#### Mechanical and Housing

Housing material	Polycarbonate
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Housing Colour	Dark grey
Mounting device	Post-top for diameter 60 mm
Optical cover/lens shape	Conical
Optical cover/lens finish	Frosted
Overall length	403 mm
Overall width	350 mm
Overall height	914 mm

Effective projected area	0.155 m²
Dimensions (height x width x depth)	914 x 350 x 403 mm
Parts colour	All parts coloured

#### Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	6/6 kV
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

#### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.370) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

#### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L100

#### Application Conditions

Performance ambient temperature Tq	25 °C
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#### Product Data

Order product name	BDS100 LED23-35/830 I DGR CLO C5K
Full product name	BDS100 LED23-35/830 I DGR CLO C5K
Full EOC	871829135389800
Order code	35389800
Material no. (12 NC)	910505016167
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291353898
Numerator – packs per outer box	1
EAN/UPC - Case	8718291353898

Dimensional drawing

