



# UrbanStar

## BDS100 LED23/830 II DM12 SGR C1K

UrbanStar, LED module 2300 lm, 830 warm white, Safety class II, Distribution medium 12, Grey, Cable 1.0 m with plug Wieland/ Adels compatible 2-pole

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		Light Technical	
Lamp family code	LED23 [LED module 2300 lm]	Light source engine type	LED
Light source replaceable	Yes	Product family code	BDS100 [UrbanStar]
Number of gear units	Unit	Lighting Technology	LED
Driver included	Yes	Value ladder	Performance
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. * At extreme ambient temperatures the luminaire might automatically dim down to protect components	CE mark	Yes
		Warranty period	5 years
		Flammability mark	-
		ENEC mark	ENEC mark
		EU RoHS compliant	Yes
		Upwards light output ratio	0.03
		Luminous Flux	1,955 lm
		Standard tilt angle post-top	0°
		Standard tilt angle side entry	-

Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	107 lm/W
Colour rendering index (CRI)	≥80
Light source colour	830 warm white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	88° x 157°
Optic type outdoor	Distribution medium 12

### Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	18.2 W
Power Factor (Fraction)	0.95
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	Cable 1.0 m with plug Wieland/Adels compatible 2-pole
Number of products on MCB of 16 A type B	26

### Temperature

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

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

### Mechanical and Housing

Housing material	Polycarbonate
Reflector material	Glass
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Pole-mounting bracket diameter 76 mm
Optical cover/lens shape	Conical
Optical cover/lens finish	Frosted
Overall length	403 mm

Overall width	350 mm
Overall height	914 mm
Overall diameter	76 mm
Effective projected area	0.155 m²
Dimensions (height x width x depth)	914 x 350 x 403 mm

### Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 6 kV common mode
Sustainability rating	-
Protection class IEC	Safety class II

### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.390) SDCM <5
Power consumption tolerance	+/-7%
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	L98

### Application Conditions

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

Order product name	BDS100 LED23/830 II DM12 SGR C1K
Full product name	BDS100 LED23/830 II DM12 SGR C1K
Full EOC	871869945039700
Order code	45039700
Material no. (12 NC)	912300023987
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699450397
Numerator – packs per outer box	1
EAN/UPC – Case	8718699450397

Dimensional drawing

