



# UrbanStar

## BDS100 LED23/830 II DM12 SGR C1K

UrbanStar, LED module 2300 lm, 830 warm white, Safety class II, Distribution medium 12, Gray, 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 delivers outstanding levels of lighting and energy performance thanks to its optimized LED engine and its application tailored optics. 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]	Product family code	BDS100 [UrbanStar]
Light source replaceable	Yes	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Performance
Driver included	Yes	CE mark	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example 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	Warranty period	5 years
		Flammability mark	-
		ENEC mark	ENEC mark
		EU RoHS compliant	Yes
		Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Light Technical			
Light source engine type	LED	Upward light output ratio	0.03

Luminous Flux	1,955 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	107 lm/W
Color rendering index (CRI)	≥80
Light source color	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 material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Pole-mounting bracket diameter 76 mm
Optical cover shape	Conical
Optical cover 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 until 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 100000 h	10 %
Lumen maintenance at median useful life* 100000 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 product code	871869945039700
Order code	912300023987
Material Nr. (12NC)	912300023987
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699450397
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699450397

Dimensional drawing

