UrbanStar

BDS100 LED12/830 I DX10 DGR CLO-LS-8 50%

UrbanStar, LED Module 1200 lm, 830 warm white, Safety class I, Distribution extra wide 10, Gray, Constant light output and LumiStep dimming 8 hours

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	LED12 [LED Module 1200 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	Embedded control	Constant light output and LumiStep dimming 8 hours
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	CE mark	Yes
		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 source engine type	LED		

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Light Technical

Upward light output ratio	0.03
Luminous Flux	1,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	–
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	≥80
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	20° – 4° x 150°
Optic type outdoor	Distribution extra wide 10

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	10 W
Average CLO power consumption	10.2 W
End CLO power consumption	10.4 W
Inrush current	15 A
Inrush time	0.295 ms
Power Consumption	10 W
Power Factor (Fraction)	0.97
Connection	Plug-in connector 2-pole Wieland/Adels compatible
Cable	–
Number of products on MCB of 16 A type B	29

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating external
Control interface	Analog
Constant light output	Yes

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 I

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	L100

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	20%

Product Data

Order product name	BDS100 LED12/830 I DX10 DGR CLO-LS-8 50%
Full product name	BDS100 LED12/830 I DX10 DGR CLO-LS-8 50%
Full product code	871869945041000
Order code	912300023989
Material Nr. (12NC)	912300023989
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699450410
Numerator – Packs per outer box	1
EAN/UPC – Case	8718699450410

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Dimensional drawing