PHILIPS Lighting

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, Grey, 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 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	LED12 [LED Module 1200 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	Embedded control	Constant light output and LumiStep dimming 8 hours
		CE mark	Yes
		Warranty period	5 years
		Flammability mark	–
		ENEC mark	ENEC mark
		EU RoHS compliant	Yes

Light Technical

Upwards light output ratio	0.03
Luminous Flux	1,000.5 lm

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Standard tilt angle post-top	0°		Overall length	403 mm
Standard tilt angle side entry	-		Overall width	350 mm
Correlated Colour Temperature	3000 K		Overall height	914 mm
Luminous efficacy (rated) (nom.)	100 lm/W		Overall diameter	76 mm
Colour rendering index (CRI)	≥80		Effective projected area	0.155 m²
Light source colour	830 warm white		Dimensions (height x width x depth)	914 x 350 x 403 mm
Optical cover type	Polycarbonate bowl/cover			
Luminaire light beam spread	20° - 4° x 150°			
Optic type outdoor	Distribution extra-wide 10			

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 I

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

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	L100

Temperature

Ambient temperature range	-40 to +50 °C

Application Conditions

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

Controls and Dimming

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

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 EOC	871869945041000
Order code	45041000
Material no. (12 NC)	912300023989
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699450410
Numerator – packs per outer box	1
EAN/UPC – Case	8718699450410

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

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Dimensional drawing

www.lighting.philips.com

2023, April 17 – data subject to change