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BDS100 LED14-3S/740 I DGR CLO C5K

UrbanStar, LED module 1400 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 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	LED14 [LED module 1400 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	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.
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

Upward light output ratio	0.03
Luminous Flux	1,152 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	96.0 lm/W
Color rendering index (CRI)	70
Number of light sources	8
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover

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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	12.2 W
Average CLO power consumption	13.1 W
End CLO power consumption	9 W
Inrush current	65 A
Inrush time	0.1 ms
Power Consumption	12 W
Power Factor (Fraction)	0.8
Connection	Flying leads/wires
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

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 material	Polycarbonate
Fixation material	Aluminum
Housing Color	Dark gray
Mounting device	Post–top for diameter 60 mm
Optical cover shape	Conical
Optical cover 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 color	All parts colored

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 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Application Conditions

Performance ambient temperature Tq	25 °C

Product Data

Order product name	BDS100 LED14-3S/740 I DGR CLO C5K
Full product name	BDS100 LED14-3S/740 I DGR CLO C5K
Full product code	871829139710600
Order code	910505016168
Material Nr. (12NC)	910505016168
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718291397106
Numerator – Packs per outer box	1
EAN/UPC – Case	8718291397106

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Dimensional drawing

www.lighting.philips.com

2023, December 5 – data subject to change