



UrbanStar

BDS100 LED23-3S/830 I DGR CLO C5K

UrbanStar, LED module 2300 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 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	LED23 [LED module 2300 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
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.
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	
Upwards light output ratio	0.03
Luminous Flux	1,923 lm
Standard tilt angle post-top	O°
Standard tilt angle side entry	O°
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	91.6 lm/W
Colour rendering index (CRI)	80
Light source colour	830 warm white
Optical cover type	Polycarbonate bowl/cover

Datasheet, 2023, April 29 data subject to change

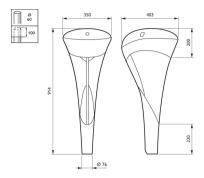
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Luminaire light beam spread	360°
Optic type outdoor	Distribution residential wide
0 " [5]	
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	10.4 W
Average CLO power consumption	12.2 W
End CLO power consumption	18 W
Inrush current	65 A
Inrush time	0.1 ms
Power Consumption	21 W
Power Factor (Fraction)	0.8
Connection	Flying leads/cables
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
Ambient temperature range	40 10 130 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
Housing material Reflector material	Polycarbonate -
	Polycarbonate - Polycarbonate
Reflector material	-
Reflector material Optic material	- Polycarbonate
Reflector material Optic material Optical cover/lens material	- Polycarbonate Polycarbonate
Reflector material Optic material Optical cover/lens material Fixation material	Polycarbonate Polycarbonate Aluminium
Reflector material Optic material Optical cover/lens material Fixation material Housing Colour	Polycarbonate Polycarbonate Aluminium Dark grey
Reflector material Optic material Optical cover/lens material Fixation material Housing Colour Mounting device	Polycarbonate Polycarbonate Aluminium Dark grey Post-top for diameter 60 mm
Reflector material Optic material Optical cover/lens material Fixation material Housing Colour Mounting device Optical cover/lens shape	Polycarbonate Polycarbonate Aluminium Dark grey Post-top for diameter 60 mm Conical
Reflector material Optic material Optical cover/lens material Fixation material Housing Colour Mounting device Optical cover/lens shape Optical cover/lens finish	Polycarbonate Polycarbonate Aluminium Dark grey Post-top for diameter 60 mm Conical Frosted

Effective projected area	0.155 m²
Dimensions (height x width x depth)	914 x 350 x 403 mm
Parts colour	All parts coloured
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	10 %
life 100,000 h	
Lumen maintenance at median useful life*	L100
100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Product Data	
Order product name	BDS100 LED23-3S/830 I DGR CLO C5K
Full product name	BDS100 LED23-3S/830 I DGR CLO C5K
Full EOC	871829135389800
Order code	35389800
Material no. (12 NC)	910505016167
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718291353898
Numerator – packs per outer box	1
EAN/UPC - Case	8718291353898

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Dimensional drawing





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