



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 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]
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	1,923 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	91.6 lm/W
Color rendering index (CRI)	80
Number of light sources	12
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover

Datasheet, 2023, December 5 data subject to change

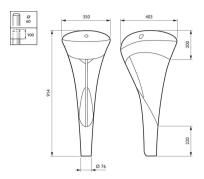
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Luminaire light beam spread	360°
Optic type outdoor	Distribution residential wide
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	10.4 W
Average CLO power consumption	12.2 W
End CLO power consumption	18 W
Inrush current	65 A
Inrush time	0.1 ms
Power Consumption	21 W
Power Factor (Fraction)	0.8
Connection	Flying leads/wires
Cable	Cable 5.0 m without plug
Number of products on MCB of 16 A type B	3 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
	Post-top for diameter 60 mm
Mounting device	
Mounting device Optical cover shape	Conical
	Conical Frosted
Optical cover shape	
Optical cover shape Optical cover finish	Frosted

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 Complia	ant)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L100
100000 h	
100000 h	
Application Conditions	
	25 °C
Application Conditions	
Application Conditions	
Application Conditions Performance ambient temperature Tq	
Application Conditions Performance ambient temperature Tq Product Data	25 ℃
Application Conditions Performance ambient temperature Tq Product Data Order product name	25 °C BDS100 LED23-3S/830 I DGR CLO C5K
Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name	25 °C BDS100 LED23-3S/830 I DGR CLO C5K BDS100 LED23-3S/830 I DGR CLO C5K
Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code	25 °C BDS100 LED23-3S/830 I DGR CLO C5K BDS100 LED23-3S/830 I DGR CLO C5K 871829135389800
Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code	25 °C BDS100 LED23-3S/830 I DGR CLO C5K BDS100 LED23-3S/830 I DGR CLO C5K 871829135389800 910505016167
Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	25 °C BDS100 LED23-3S/830 I DGR CLO C5K BDS100 LED23-3S/830 I DGR CLO C5K 871829135389800 910505016167 910505016167
Application Conditions Performance ambient temperature Tq Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	25 °C BDS100 LED23-3S/830 I DGR CLO C5K BDS100 LED23-3S/830 I DGR CLO C5K 871829135389800 910505016167 910505016167
Application Conditions Performance ambient temperature Tq Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	25 °C BDS100 LED23-3S/830 I DGR CLO C5K BDS100 LED23-3S/830 I DGR CLO C5K 871829135389800 910505016167 1 8718291353898

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Dimensional drawing





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