



UrbanStar

BDS100 LED22-3S/740 I DGR CLO C5K

UrbanStar, LED module 2200 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	LED22 [LED module 2200 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	1,781 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	98.9 lm/W
Color rendering index (CRI)	70
Number of light sources	8
Light source color	740 neutral white

Datasheet, 2023, December 5 data subject to change

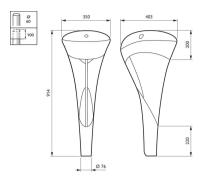
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Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	360°
Optic type outdoor	Distribution residential wide
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	11.0 W
Average CLO power consumption	12.5 W
End CLO power consumption	15 W
Inrush current	65 A
Inrush time	0.1 ms
Power Consumption	18 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
Housing Material Reflector material	Polycarbonate -
	Polycarbonate - Polycarbonate
Reflector material	- · · · · · · · · · · · · · · · · · · ·
Reflector material Optic material	- Polycarbonate
Reflector material Optic material Optical cover material	- Polycarbonate Polycarbonate
Reflector material Optic material Optical cover material Fixation material	Polycarbonate Polycarbonate Aluminum
Reflector material Optic material Optical cover material Fixation material Housing Color	Polycarbonate Polycarbonate Aluminum Dark gray
Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device	Polycarbonate Polycarbonate Aluminum Dark gray Post-top for diameter 60 mm
Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape	Polycarbonate Polycarbonate Aluminum Dark gray Post-top for diameter 60 mm Conical
Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape Optical cover finish	Polycarbonate Polycarbonate Aluminum Dark gray 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 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	10 %	
life 100000 h		
Lumen maintenance at median useful life*	L100	
100000 h		
Application Conditions		
Performance ambient temperature Tq	25 °C	
Product Data		
Order product name	BDS100 LED22-3S/740 I DGR CLO C5K	
Full product name	BDS100 LED22-3S/740 I DGR CLO C5K	
Full product code	871829139711300	
Order code	910505016169	
Material Nr. (12NC)	910505016169	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718291397113	
Numerator - Packs per outer box	1	
	1	
EAN/UPC - Case	8718291397113	

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Dimensional drawing





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