



UrbanStar

BDS100 LED22/740 I DM50 DGR CLO C5K

UrbanStar - LED module 2200 lm - 740 neutral white - Safety class I - Distribution medium 50 - Dark Grey - Constant light output - Cable 5.0 m without plug (C5K)

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		CE mark	CE mark
Lamp family code	LED22 [LED module 2200 lm]	ENEC mark	ENEC mark
Light source colour	740 neutral white	Warranty period	5 years
Light source replaceable	Yes	Outdoor optic type	Distribution medium 50
Number of gear units	1 unit	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. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Driver/power unit/transformer	PSU [Power supply unit]	Constant light output	Yes
Driver included	Yes	Number of products on MCB	29
Optical cover/lens type	PC [Polycarbonate bowl/cover]		
Luminaire light beam spread	30° - 5° x 153°		
Embedded control	CLO [Constant light output]		
Connection	Plug-in connector 2-pole Wieland/Adels compatible		
Cable	Cable 5.0 m without plug (C5K)		
Protection class IEC	Safety class I		
Flammability mark	NO [-]		

EU RoHS compliant	Yes
LED engine type	LED
Product Family Code	BDS100 [UrbanStar]

Light Technical

Upward light output ratio	0.03
Standard tilt angle post-top	0°
Standard tilt angle side entry	-

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Initial CLO power consumption	14 W
Average CLO power consumption	14.2 W
End CLO power consumption	14.2 W
Inrush current	15 A
Inrush time	0.295 ms
Power factor (min.)	0.98

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing material	Polycarbonate
Reflector material	Glass
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Mounting device	Pole-mounting bracket diameter 76 mm
Optical cover/lens shape	Conical
Optical cover/lens finish	Frosted
Overall length	403 mm
Overall width	350 mm
Overall height	914 mm
Overall diameter	76 mm
Effective projected area	0.155 m ²
Colour	Dark Grey
Dimensions (height x width x depth)	914 x 350 x 403 mm (36 x 13.8 x 15.9 in)

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

Initial Performance (IEC Compliant)

Initial luminous flux	1848 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	132 lm/W
Init. Corr. Colour Temperature	4000 K
Init. colour rendering index	≥70
Initial chromaticity	(0.380, 0.390) SDCM <5
Initial input power	14 W
Power consumption tolerance	+/-7%

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

Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C

Product Data

Full product code	871869945040300
Order product name	BDS100 LED22/740 I DM50 DGR CLO C5K
EAN/UPC – product	8718699450403
Order code	45040300
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	912300023988
Net weight (piece)	8.420 kg



