PHILIPS Lighting



UrbanStar

BDS100 LED22/740 I DM50 DGR CLO C5K

UrbanStar, LED module 2200 lm, 740 neutral white, Safety class I, Distribution medium 50, Grey, Constant light output, Cable 5.0 m without plug

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	LED22 [LED module 2200 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. * At extreme ambient temperatures the
	luminaire might automatically dim down to
	protect components

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	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Light Technical	
Upwards light output ratio	0.03
Luminous Flux	1,848 lm
Standard tilt angle post-top	0°

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Operating and Electrical

Input Voltage

Standard tilt angle side entry	-
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	134 lm/W
Colour rendering index (CRI)	≥70
Light source colour	740 neutral white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	30° - 5° x 153°
Optic type outdoor	Distribution medium 50

220 to 240 V

Overall length	403 mm
Overall width	350 mm
Overall height	914 mm
Overall diameter	76 mm
Effective projected area	0.155 m²
Dimensions (height x width x depth)	914 x 350 x 403 mm

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
Sustainability rating	-
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.390) SDCM <5
Power consumption tolerance	+/-7%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)	
Control gear failure rate at median	10 %
useful life 100,000 h	
Lumen maintenance at median useful	L100
life* 100,000 h	

Application Conditions

Performance ambient temperature Tq 2	25 ℃
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Product Data	
Order product name	BDS100 LED22/740 I DM50 DGR CLO C5K
Full product name	BDS100 LED22/740 I DM50 DGR CLO C5K
Full EOC	871869945040300
Order code	45040300
Material no. (12 NC)	912300023988
SAP numerator - quantity per pack	1
EAN/UPC — Product/Case	8718699450403
Numerator – packs per outer box	1
EAN/UPC - Case	8718699450403

Line Frequency	50 to 60 Hz
Initial CLO power consumption	13.8 W
Average CLO power consumption	13.8 W
End CLO power consumption	14 W
Inrush current	15 A
Inrush time	0.295 ms
Power Consumption	13.8 W
Power Factor (Fraction)	0.98
Connection	Plug-in connector 2-pole Wieland/Adels
	compatible
Cable	Cable 5.0 m without plug
Number of products on MCB of 16 A ty	уре 29
В	
Temperature	
Ambient temperature range	-40 to +50 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	Yes
Mechanical and Housing	
Housing material	Polycarbonate
Reflector material	Glass
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Pole-mounting bracket diameter 76 mm

Conical

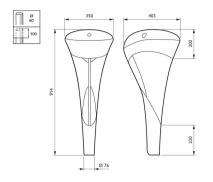
Frosted

Optical cover/lens shape

Optical cover/lens finish

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Dimensional drawing





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