



# OptiSpace

## BCB500 LED16-4S/830 A DF DGR

OPTISPACE BOLLARD, LED module 1600 lm, 830 warm white, Power supply unit with DALI interface, Safety class I, Asymmetrical, Black

OptiSpace is a creative bollard solution which enables you to build a more attractive, citizen-centric inner-city space by avoiding verticalisation of the urban landscape. OptiSpace delivers all this and more while delivering an attractive TCO for your investment. Enabled by the different control options, you can reduce energy consumption and minimise TCO further. And thanks to the excellent and optimised light distribution options, you can maximise spacing between the bollards, thereby minimising the number of light points needed to be installed. To support different design schemes, OptiSpace is also available in different colours: Philips Ultra Dark Grey is the standard colour and other colours are available on request.

### Product data

General Information			
Lamp family code	LED16 [LED module 1600 lm]	Warranty period	5 years
Light source replaceable	Yes	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	Unit	ENEC mark	ENEC mark
Driver included	Yes	EU RoHS compliant	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components		
Light Technical			
Light source engine type	LED	Upwards light output ratio	0
Product family code	BCB500 [OPTISPACE BOLLARD]	Luminous Flux	1,420 lm
Lighting Technology	LED	Standard tilt angle post-top	-
Value ladder	Specification	Standard tilt angle side entry	0°
CE mark	Yes	Correlated Colour Temperature	3000 K
		Luminous efficacy (rated) (nom.)	146 lm/W

Colour rendering index (CRI)	>80
Light source colour	830 warm white
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	21° - 26° x 200°
Optic type outdoor	Asymmetrical

#### Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	15 A
Inrush time	0.36 ms
Power Consumption	14.7 W
Power Factor (Fraction)	0.95
Connection	-
Cable	Cable 1.5 m without plug
Number of products on MCB of 16 A type B 23	

#### Temperature

Ambient temperature range	-40 to +50 °C
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#### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit with DALI interface
Constant light output	No

#### Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	Aluminium
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	Black
Mounting device	Base plate
Optical cover/lens shape	Cylinder/cylindrical
Optical cover/lens finish	Clear

## Dimensional drawing

Overall length	270 mm
Overall width	270 mm
Overall height	848 mm
Effective projected area	0.172 m²
Dimensions (height x width x depth)	848 x 270 x 270 mm

#### Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 6 kV common mode
Protection class IEC	Safety class I

#### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0,3818; 0,3796) SDCM<3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

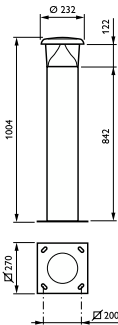
#### Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	0.5 %
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#### Product Data

Order product name	BCB500 LED16-4S/830 A DF DGR
Full product name	BCB500 LED16-4S/830 A DF DGR
Full EOC	871869948116200
Order code	48116200
Material no. (12 NC)	912300024098
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699481162
Numerator – packs per outer box	1
EAN/UPC – Case	8718699481162

Dimensional drawing



Dimensional drawing

