



# OptiSpace

## BCB500 LED27-4S/740 ANB14 II A DGR

OptiSpace, Bollard, 20 W, H848 mm, 2400 lm, 4000 K, CRI70, Asymmetrical, Safety class II, IP66

OptiSpace is a creative bollard solution which enables you to build a more attractive, citizen-centric inner-city space by avoiding verticalization 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 minimize TCO further and thanks to the excellent and optimized light distribution options you can maximize spacing between the bollards, thereby minimizing the number of light points needed to be installed. To support different design schemes, OptiSpace is also available in different colors: Ultra Dark Grey is the standard color and other colors are available on request.

### Product data

General Information		Warranty period	
Lamp family code	LED27 [LED module 2700 lm]	Sustainability rating	-
Light source replaceable	Yes	Light Technical	
Number of gear units	1 unit	Upward light output ratio	0
Driver included	Yes	Luminous Flux	2,400 lm
Light source engine type	LED	Correlated Color Temperature (Nom)	4000 K
Service tag	Yes	Luminous Efficacy (rated) (Nom)	167 lm/W
Lighting Technology	LED	Color rendering index (CRI)	70
Value ladder	Specification	Light source color	740 neutral white
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts	Luminaire light beam spread	7° - 9° x 177°
		Optic type outdoor	Asymmetrical
		Effective projected area	0.172 m²

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	20 W
Power Factor (Fraction)	0.96
Connection	Flying leads/wires
Cable	Cable 1.5 m without plug
Number of products on MCB of 16 A type B	18
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 6 kV common mode
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die-cast
Reflector material	Aluminum
Optic material	Polymethyl methacrylate
Optical cover material	UV stabilized Polycarbonate cover
Fixation material	Steel
Housing Color	Black
Mounting device	Universal for diameter 42 to 60 mm adjustable
Optical cover shape	Cylinder/cylindrical
Optical cover finish	Clear
Overall length	270 mm
Overall width	270 mm
Overall height	848 mm
Overall diameter	168 mm
Dimensions (Height x Width x Depth)	848 x 270 x 270 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Polycarbonate cover and gloss high-reflective optic

Net Weight (Piece)	16.000 kg
Approval and Application	
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

#### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0,3818; 0,3796) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

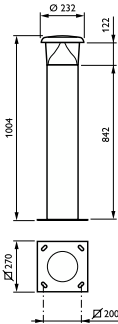
#### Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L90

#### Product Data

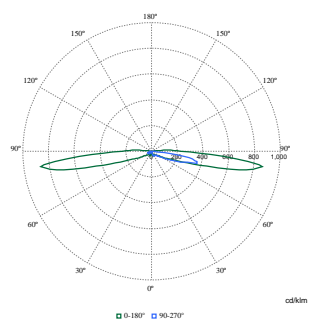
Order product name	BCB500 LED27-4S/740 ANB14 II A DGR
Full product name	BCB500 LED27-4S/740 ANB14 II A DGR
Full product code	871869948120900
Order code	912300024103
Material Nr. (12NC)	912300024103
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699481209
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699481209
Product family code	BCB500 [OPTISPACE BOLLARD]

Dimensional drawing



## Dimensional drawing

## Photometric data



Polar Normal (separate) - BCB500I - 912300024103

