Signify

BCB500 LED16-4S/830 PSU II S DGR MSP CLO

912300060281

OptiSpace, Bollard, 12.8 W, H1004 mm, 1390 lm, 3000 K, CRI80, Symmetrical, Safety class II, IP66, MSP

Bollard, H1004 mm, Aluminum die cast, Black, Marine salt protected coating, Baseplate, Power supply unit (On/Off), Constant light output, 1390 lm, 12.8 W, 109 lm/W, 3000 K, (0,3818; 0,3796) SDCM<3, CRI80, Symmetrical, IP66 | Dust penetration-protected, jet-proof, IK10 | 20 J vandal-resistant, Safety class II, Surge protection level until 6 kV differential mode and 6 kV common mode, Cable 1.5 m without plug

General Information

Lamp family code	LED16 [LED module 1600 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Warranty period	5 years

Light Technical

Upward light output ratio	0
Luminous Flux	1,390 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	109 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Luminaire light beam spread	177°
Optic type outdoor	Symmetrical
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	12.8 W
Power Factor (Fraction)	0.90
Connection	-
Cable	Cable 1.5 m without plug
Number of products on MCB of 16 A type B	26
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)
Control interface	-
Constant light output	Yes
Embedded control	Constant light output

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Aluminum
Optic material	Polymethyl methacrylate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Black
Mounting device	Baseplate
Optical cover shape	Cylinder/cylindrical
Optical cover finish	Clear
Overall length	232 mm
Overall width	232 mm
Overall height	1,004 mm
Overall diameter	232 mm
Dimensions (Height x Width x Depth)	1004 x 232 x 232 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Optical cover type	Polycarbonate bowl/cover clear
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
Ambient temperature range	-40 to +50 °C

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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L88

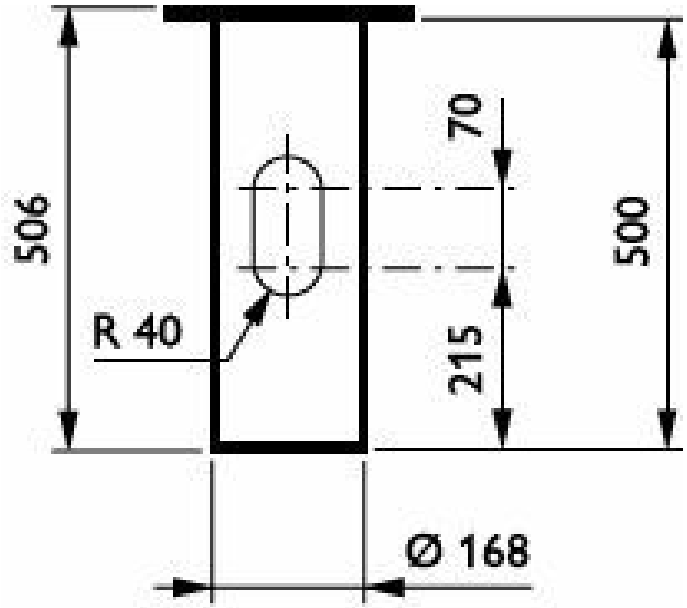
Sustainability Data

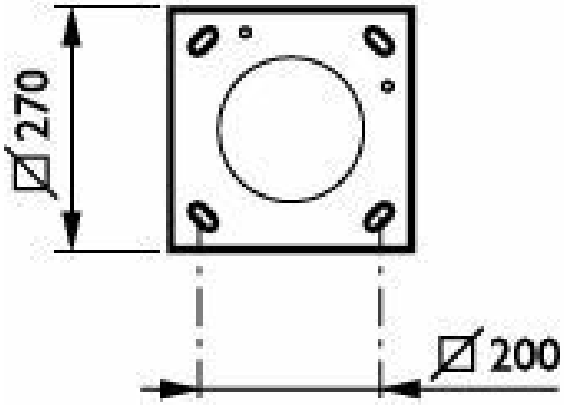
Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	114 kg CO_2e
Product non-virgin material ratio	26.2 %
Recyclable content ratio of the finished product	68.6 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

Order product name	BCB500 LED16-4S/830 PSU II S DGR MSP CLO
Full product name	BCB500 LED16-4S/830 PSU II S DGR MSP CLO
Full product code	872016904188200
Order code	912300060281
Material Nr. (12NC)	912300060281
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169041882
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169041882
Product family code	BCB500 [OPTISPACE BOLLARD]

Dimensional drawing





Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	SIG-BCB500-OPTISPACE-INI.pdf	Download

Photometric and IES	Document Name	Download
Revit file	63_PHILIPS_OptiSpace-BCP500-3D.zip	Download

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