Signify

BCB500 LED56-4S/740 S DGR

912300024101

OptiSpace, Bollard, 37.2 W, H848 mm, 4900 lm, 4000 K, CRI70, Symmetrical, Safety class I, IP66

Bollard, H848 mm, Aluminum die-cast, Black, Universal for diameter 42 to 60 mm adjustable, Power supply unit (On/Off), 4900 lm, 37.2 W, 173 lm/W, 4000 K, (0,3818; 0,3796) SDCM <3, CRI70, Symmetrical, IP66 | Dust penetration-protected, jet-proof, IK10 | 20 J vandal-resistant, Safety class I, Surge protection level until 6 kV differential mode and 6 kV common mode, Cable 1.5 m without plug, Flying leads/wires

General Information

Lamp family code	LED56 [LED module 5600 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	4,900 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	173 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral 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	22 A
Inrush time	0.29 ms
Power Consumption	37.2 W
Power Factor (Fraction)	0.98
Connection	Flying leads/wires
Cable	Cable 1.5 m without plug
Number of products on MCB of 16 A type B	16
Protection class IEC	Safety class I
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

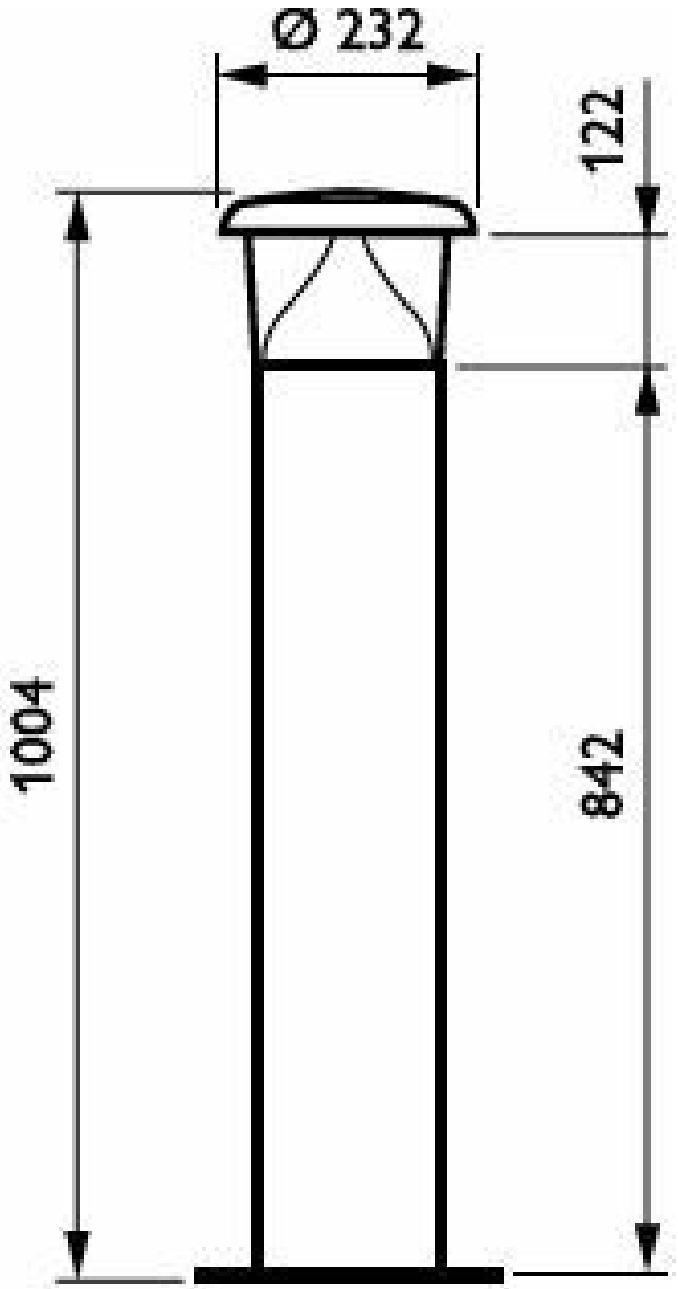
Sustainability Data

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 LED56-4S/740 S DGR
Full product name	BCB500 LED56-4S/740 S DGR
Full product code	871869948118600
Order code	48118600
Material Nr. (12NC)	912300024101
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699481186
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699481186
Product family code	BCB500 [OPTISPACE BOLLARD]

Dimensional drawing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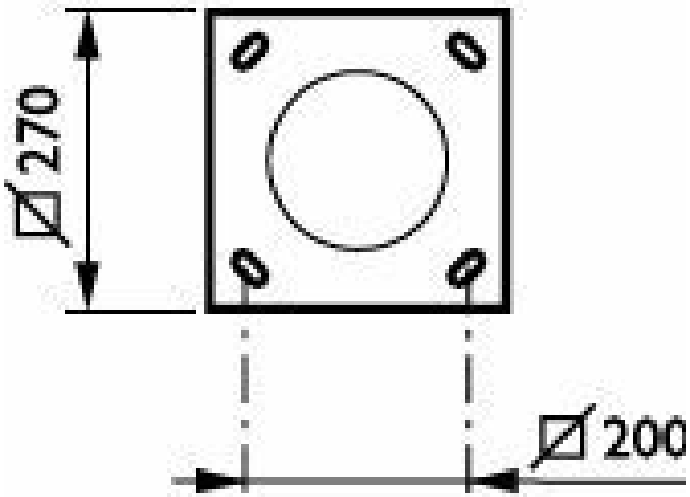
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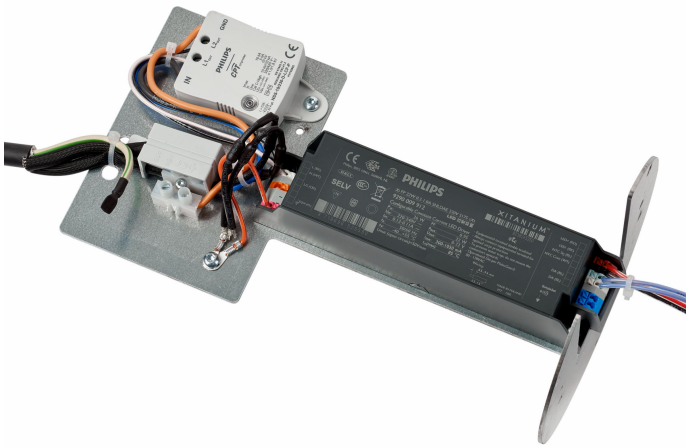
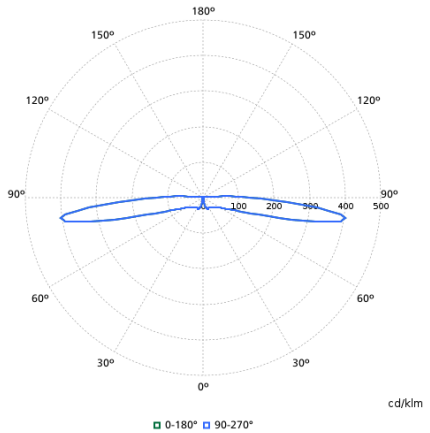

PHILIPS
XITANIUM

Polar normal diagrams



Related Documents

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

Photometric and IES	Document Name	Download
LDT File	LDT File - BCB500I - 912300024101.ldt	Download
ROLF File	ROLF File - BCB500I - 912300024101.rolfz	Download
ULD File	ULD File - BCB500I - 912300024101.uld	Download

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