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 |
| Sustainability rating | Unclassified |
| 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 |
| Suitable for random switching | Yes |
| 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

| | |
|---|---|
| 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 $CO_2$e |
| 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 |

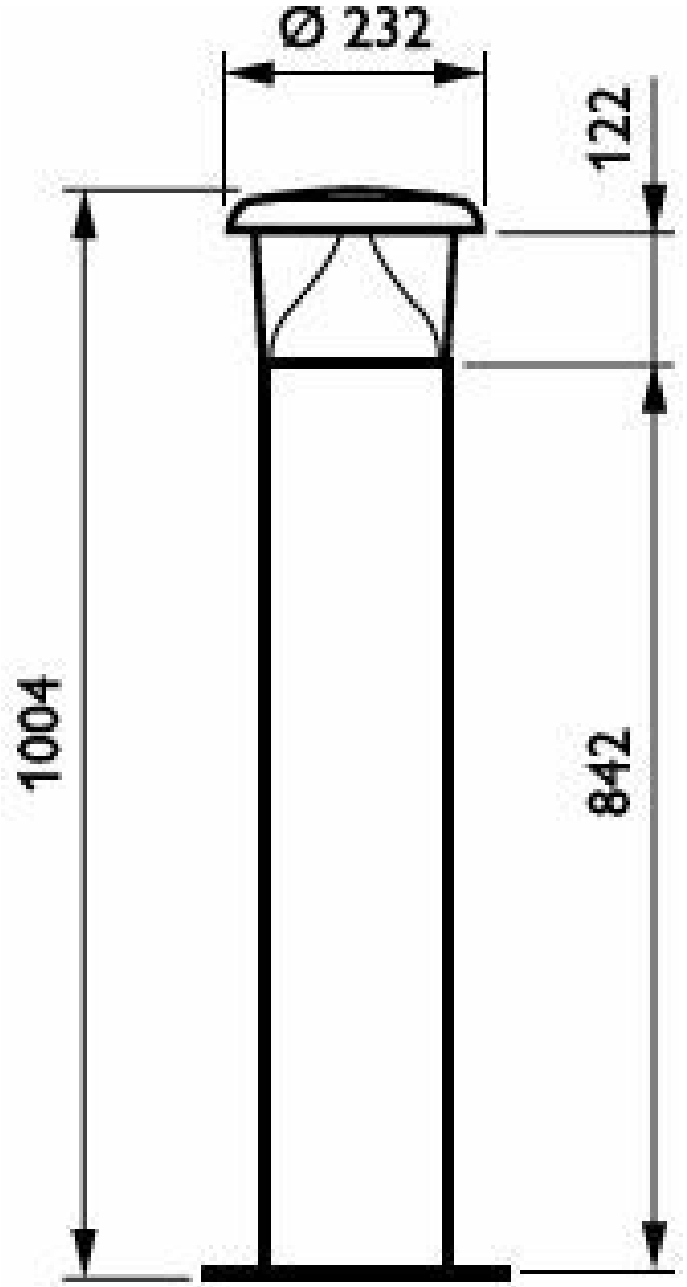
## Product Data

| | |
|---|---|
| Order product name | BCB500 LED56-4S/740 S DGR |
| Full product name | BCB500 LED56-4S/740 S DGR |
| Full product code | 871869948118600 |
| Order code | 912300024101 |
| 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] |

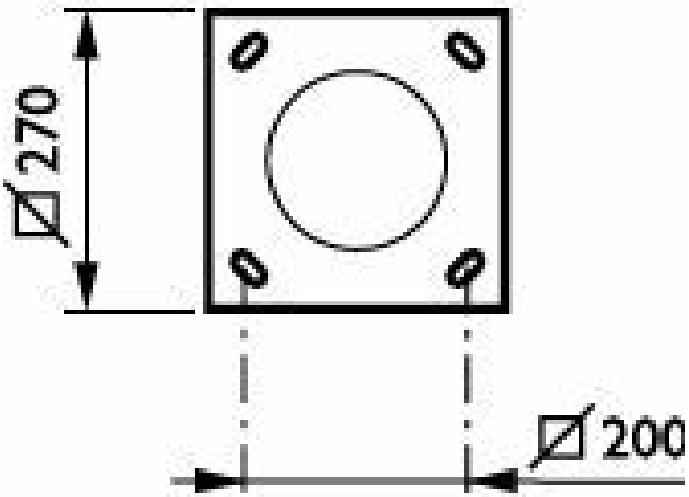
## Dimensional drawing






Ø 232
122
1004
842




270
200



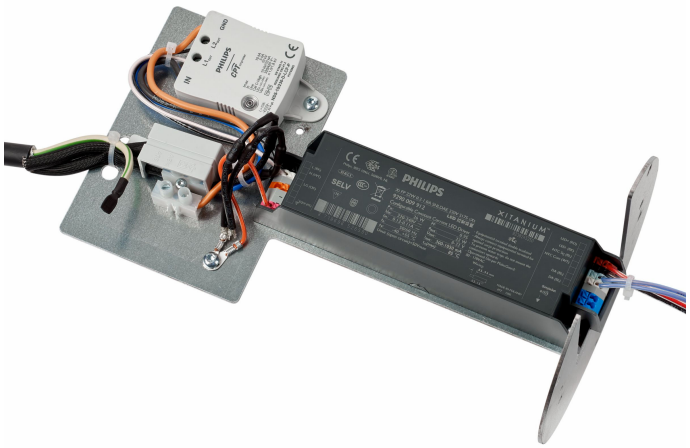




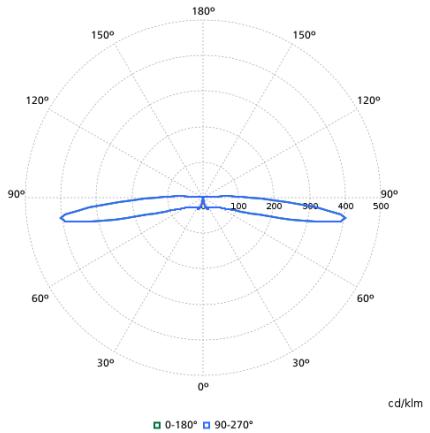







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XITANIUM

## 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 |
|---|---|---|
| IES File | bcb500-led56-4s-740-s-dgr-912300024101.ies | Download |
| LDT File | bcb500-led56-4s-740-s-dgr-912300024101.ldt | Download |
| ROLF File | bcb500-led56-4s-740-s-dgr-912300024101.rolfz | Download |
| ULD File | bcb500-led56-4s-740-s-dgr-912300024101.uld | Download |

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