**PHILIPS Lighting**

# Coreline tempo medium

## BVP125 LED120-4S/740 PSU S ALU C1KC3

Coreline tempo medium, Floodlight, 90 W, 12000 lm, 4000 K, CRI70, Symmetrical, IP66

Coreline tempo medium delivers on the Coreline promise of innovative, easy to use and high quality floodlighting. A limited range of options makes it easy to find the best lux-for-lux replacement for conventional technologies and direct replacement of 100W and 150W HID lamps . The CoreLine tempo medium offers lumen packages for many different application areas as well as a choice of high-performance asymmetrical and symmetrical optics. Installing the LED flood lighting is made easy thanks to the U-shaped universal mounting bracket and the external quick 3-poles connector. It is an ideal floodlighting solution for outdoor environments such as industrial/commercial areas, parking lots, etc.

## Product data

### General Information

| | |
|---|---|
| Lamp family code | LED120-4S [LED module, system flux 12000 lm] |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Light source engine type | LED |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Performance |
| Serviceability class | Class C, luminaire without serviceable parts, not serviceable |

| | |
|---|---|
| Warranty period | 5 years |
| Sustainability rating | – |

### Light Technical

| | |
|---|---|
| Upward light output ratio | 0 |
| Luminous Flux | 12,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 137 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Luminaire light beam spread | 69° x 25° |
| Optic type outdoor | Symmetrical |

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|---|---|---|---|---|
| **Effective projected area** | 0.09 m² | | **CE mark** | Yes |
| | | | **ENEC mark** | ENEC mark |
| **Operating and Electrical** | | | **Photobiological risk** | Photobiological risk group 1 @200mm to EN62778 |
| **Input Voltage** | 220 to 240 V | | **EU RoHS compliant** | Yes |
| **Line Frequency** | 50 to 60 Hz | | **Performance ambient temperature Tq** | 25 °C |
| **Inrush current** | 53 A | | **Remarks** | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires – January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| **Inrush time** | 0.3 ms | | | |
| **Power Consumption** | 90 W | | | |
| **Power Factor (Fraction)** | 0.98 | | | |
| **Connection** | External connector | | | |
| **Cable** | Cable 1.0 m with plug Wieland/Adels compatible 3-pole | | | |
| **Number of products on MCB of 16 A type B** | 8 | | | |
| **Protection class IEC** | Safety class I | | | |
| **Surge Protection (Common/Differential)** | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode | | **Ambient temperature range** | –40 to +45 °C |
| **Total harmonic distortion** | 7.8 % | | **Initial Performance (IEC Compliant)** | |
| | | | **Luminous flux tolerance** | +/-7% |
| **Controls and Dimming** | | | **Initial chromaticity** | (0.382, 0.379) SDCM <5 |
| **Dimmable** | No | | **Power consumption tolerance** | +/-10% |
| **Driver/power unit/transformer** | Power supply unit (On/Off) | | **Init. Color Rendering Index Tolerance** | +/-2 |
| **Constant light output** | No | | **Standard Deviation of Colour Matching (McAdam ellipse)** | SDCM≤5 |
| **Mechanical and Housing** | | | **Over Time Performance (IEC Compliant)** | |
| **Housing Material** | Aluminum | | **Control gear failure rate at median useful life 75000 h** | 10 % |
| **Reflector material** | – | | | |
| **Optic material** | Polycarbonate | | **Control gear failure rate at median useful life 100000 h** | 10 % |
| **Optical cover material** | Glass | | | |
| **Fixation material** | Aluminum | | **Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h** | L80 |
| **Housing Color** | Grey | | | |
| **Mounting device** | Wall-mounting bracket | | **Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h** | L90 |
| **Optical cover shape** | Flat | | | |
| **Optical cover finish** | Clear | | **Product Data** | |
| **Overall length** | 340.5 mm | | **Order product name** | BVP125 LED120-4S/740 PSU S ALU C1KC3 |
| **Overall width** | 265 mm | | **Full product name** | BVP125 LED120-4S/740 PSU S ALU C1KC3 |
| **Overall height** | 67.4 mm | | **Full product code** | 871869945589700 |
| **Dimensions (Height x Width x Depth)** | 67 x 265 x 341 mm | | **Order code** | 912300024003 |
| **Ingress protection code** | IP66 [Dust penetration-protected, jet-proof] | | **Material Nr. (12NC)** | 912300024003 |
| **Mech. impact protection code** | IK08 [5 J vandal-protected] | | **Numerator – Quantity Per Pack** | 1 |
| **Standard tilt angle posttop** | 0° | | **EAN/UPC – Product/Case** | 8718699455897 |
| **Standard tilt angle side entry** | 0° | | **Numerator – Packs per outer box** | 1 |
| **Optical cover type** | Flat glass | | **EAN/UPC – Case** | 8718699455897 |
| **Net Weight (Piece)** | 5.000 kg | | **Product family code** | BVP125 [Coreline tempo medium] |
| **Emergency Operation** | | | | |
| **Central Emergency** | No | | | |
| **Approval and Application** | | | | |
| **Flammability mark** | For mounting on normally flammable surfaces | | | |

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**Dimensional drawing**