



ClearFlood

BVP650 LED400-4S/740 DX60 ALU PSU

ClearFlood, LED module 40000 lm, LED, Power supply unit (On/Off), Distribution extra-wide 60, Aluminium

The Philips ClearFlood is a dedicated LED floodlight delivering economical white light solutions for recreational sports and area applications. Designed around state-of-the-art LEDs and high-efficiency optics, this very competitive solution offers energy savings compared to traditional HID solutions. ClearFlood is easy to install and perfect for replacing conventional light points as it uses the same electrical installation, columns and types of fixation.

Product data

| General Information | |
|--------------------------|--|
| Lamp family code | LED400 [LED module 40000 lm] |
| Light source replaceable | Yes |
| Number of gear units | 2 units |
| Driver included | Yes |
| Remarks | *- According to the Lighting Europe guidance |
| | paper 'Evaluating performance of LED based |
| | luminaires – January 2018': statistically there |
| | is no relevant difference in lumen |
| | maintenance between the B50 and, for |
| | example, the 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 |
| Light source engine type | LED |
| Product family code | BVP650 [ClearFlood] |
| Lighting Technology | LED |

| Value ladder | Specification |
|----------------------------------|------------------------------------|
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | For mounting on normally flammable |
| | surfaces |
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |
| | |
| Light Technical | |
| Upwards light output ratio | 0 |
| Luminous Flux | 35,200 lm |
| Standard tilt angle post-top | O° |
| Standard tilt angle side entry | O° |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 141 lm/W |
| Colour rendering index (CRI) | 70 |
| Light source colour | 740 neutral white |
| | |

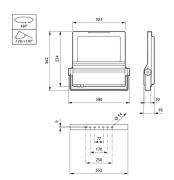
Datasheet, 2023, December 5 data subject to change

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| Optical cover type | Flat glass |
|--|-----------------------------|
| Luminaire light beam spread | 8° - 26° x 82° |
| Optic type outdoor | Distribution extra-wide 60 |
| | |
| Operating and Electrical | |
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 53 A |
| Inrush time | 0.3 ms |
| Power Consumption | 250 W |
| Power Factor (Fraction) | 0.99 |
| Connection | Connection unit 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type | 4 |
| В | |
| | |
| Temperature | |
| Ambient temperature range | -40 to +50 °C |
| | |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |
| | |
| Mechanical and Housing | |
| Housing material | Aluminium die cast |
| Reflector material | |
| Optic material | Acrylate |
| Optical cover/lens material | Glass |
| Fixation material | Steel |
| Housing Colour | Aluminium |
| Mounting device | Mounting bracket adjustable |
| Optical cover/lens shape | Flat |
| Optical cover/lens finish | Clear |
| Overall length | 562 mm |
| Overall width | 580 mm |
| Overall height | 95 mm |
| Effective projected area | 0.26 m² |
| | |

| Dimensions (height x width x depth) | 95 x 580 x 562 mm |
|--|---|
| | |
| Approval and Application | |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof |
| Mech. impact protection code | IK09 [10 J] |
| Surge Protection (Common/Differential) | Luminaire surge protection level up to 6 kV |
| | differential mode and 8 kV common mode |
| Sustainability rating | Lighting for circularity |
| Protection class IEC | Safety class I |
| | |
| Initial Performance (IEC Compliant) | |
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.380, 0.390) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |
| | |
| Over Time Performance (IEC Compl | iant) |
| Control gear failure rate at median useful | 10 % |
| life 100,000 h | |
| Lumen maintenance at median useful | L95 |
| life* 100,000 h | |
| | |
| Application Conditions | |
| Performance ambient temperature Tq | 25 ℃ |
| | |
| Product Data | |
| Order product name | BVP650 LED400-4S/740 DX60 ALU PSU |
| Full product name | BVP650 LED400-4S/740 DX60 ALU PSU |
| Full EOC | 871869945112700 |
| Order code | 45112700 |
| Material no. (12 NC) | 912300023996 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC — Product/Case | 8718699451127 |
| | |
| Numerator – packs per outer box | 1 |

Dimensional drawing



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