


# ClearFlood

## BVP650 LED300-4S/740 PSU DM10 ALU

ClearFlood, LED module 30000 lm, LED, Power supply unit (On/Off), Distribution medium 10, Aluminum

ClearFlood is a range of floodlights that enables you to choose the exact lumen rating that you need for your specific application. Designed around state-of-the-art LEDs and extremely high-efficiency optics, this very competitive solution offers an industry-leading lux per euro ratio and significant energy savings. The choice of different optics in the ClearFlood range opens new application possibilities for LEDs. ClearFlood BVP650 is also easy to install and to maintain.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED300 [LED module 30000 lm] |
| **Light source replaceable** | Yes |
| **Number of gear units** | 2 units |
| **Gear** | EB [Electronic] |
| **Driver included** | Yes |
| **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 |
| **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 |
| **Glow-wire test** | Temperature 960 °C, duration 5 s |
| **EU RoHS compliant** | Yes |

| Light Technical | |
|---|---|
| **Upward light output ratio** | 0 |
| **Luminous Flux** | 25,800 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 145 lm/W |

# ClearFlood

| | |
|---|---|
| **Color rendering index (CRI)** | 70 |
| **Number of light sources** | 120 |
| **Light source color** | 740 neutral white |
| **Optical cover type** | Flat glass |
| **Luminaire light beam spread** | 88° x 187° |
| **Optic type outdoor** | Distribution medium 10 |

## 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** | 178 W |
| **Power Factor (Fraction)** | 0.99 |
| **Connection** | Connection unit 3-pole |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 4 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | -40 to +50 °C |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit (On/Off) |
| **Control interface** | - |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Aluminum die cast |
| **Reflector material** | - |
| **Optic material** | Acrylate |
| **Optical cover material** | Glass |
| **Fixation material** | Steel |
| **Housing Color** | Aluminum |
| **Mounting device** | Mounting bracket adjustable |
| **Optical cover shape** | Flat |
| **Optical cover 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 until 6 kV differential mode and 8 kV common mode |
| **Sustainability rating** | Lighting for circularity |
| **Protection class IEC** | Safety class I |
| **Photobiological risk** | Photobiological risk group 1 @200mm to EN62778 |

## 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 Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 100000 h** | 10 % |
| **Lumen maintenance at median useful life* 100000 h** | L96 |

## Application Conditions

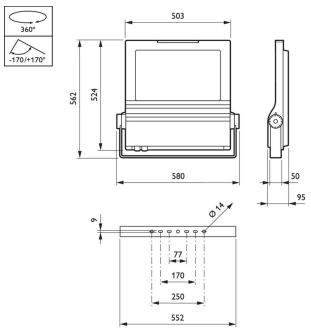
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |

## Product Data

| | |
|---|---|
| **Order product name** | BVP650 LED300-4S/740 PSU DM10 ALU |
| **Full product name** | BVP650 LED300-4S/740 PSU DM10 ALU |
| **Full product code** | 871869909114900 |
| **Order code** | 912300023592 |
| **Material Nr. (12NC)** | 912300023592 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718699091149 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718699091149 |

# ClearFlood

## Dimensional drawing




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