



# ClearFlood

## BVP650 LED120-4S/740 PSU DM10 ALU

ClearFlood, LED module 12000 lm, LED, Power supply unit (On/Off), Distribution medium 10, Aluminum

ClearFlood is a range of floodlights that lets you choose the exact number of lumens you need for your 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 opens up new application possibilities for LEDs. ClearFlood is easy to install and perfect for replacing conventional light-points as it uses the same electrical installation and poles. Selecting the required light output is also straightforward.

### Product data

| General Information      |   |                                |   |
|--------------------------|---|--------------------------------|---|
| Lamp family code         | LED120 [LED module 12000 lm]  | Product family code            | BVP650 [ClearFlood]                         |
| Light source replaceable | Yes   | Lighting Technology            | LED   |
| Number of gear units     | 1 unit  | Value ladder                   | Specification                               |
| Gear                     | EB [Electronic]   | CE mark                        | Yes   |
| Driver included          | Yes   | Warranty period                | 5 years                                     |
| 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 | Flammability mark              | For mounting on normally flammable surfaces |
| Light source engine type | LED   | 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                  | 10,500 lm                                   |
|                          |   | Standard tilt angle posttop    | 0°  |
|                          |   | Standard tilt angle side entry | 0°  |

|                                    |                        |
|------------------------------------|------------------------|
| Correlated Color Temperature (Nom) | 4000 K                 |
| Luminous Efficacy (rated) (Nom)    | 149 lm/W               |
| Color rendering index (CRI)        | 70                     |
| Number of light sources            | 64                     |
| Light source color                 | 740 neutral white      |
| Optical cover type                 | Flat glass             |
| Luminaire light beam spread        | 140° x 70°             |
| 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                        | 70 W                   |
| Power Factor (Fraction)                  | 0.98                   |
| Connection                               | Connection unit 3-pole |
| Cable                                    | –                      |
| Number of products on MCB of 16 A type B | 8                      |

#### 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* L97 100000 h    |      |

#### Application Conditions

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

#### Product Data

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Order product name              | BVP650 LED120–4S/740 PSU DM10 ALU |
| Full product name               | BVP650 LED120–4S/740 PSU DM10 ALU |
| Full product code               | 871869909105700                   |
| Order code                      | 09105700                          |
| Material Nr. (12NC)             | 912300023583                      |
| Numerator - Quantity Per Pack   | 1                                 |
| EAN/UPC - Product/Case          | 8718699091057                     |
| Numerator - Packs per outer box | 1                                 |
| EAN/UPC - Case                  | 8718699091057                     |

## Dimensional drawing

