



# ClearFlood

## BVP650 LED360-4S/740 DX60 ALU PSU

ClearFlood - LED module 36000 lm - LED - Power supply unit - Distribution extra-wide 60 - Grey

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           |                                                  | Optic type outdoor                      | Distribution extra-wide 60                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lamp family code              | LED360 [ LED module 36000 lm]                    | 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 colour           | 740 neutral white                                | Constant light output                   | No                                                                                                                                                                                                                                                                                                                                                                                         |
| Light source replaceable      | Yes                                              | Number of products on MCB (16 A type B) | 4                                                                                                                                                                                                                                                                                                                                                                                          |
| Number of gear units          | 2 units                                          | EU RoHS compliant                       | Yes                                                                                                                                                                                                                                                                                                                                                                                        |
| Driver/power unit/transformer | PSU [ Power supply unit]                         | LED engine type                         | LED                                                                                                                                                                                                                                                                                                                                                                                        |
| Driver included               | Yes                                              | Serviceability class                    | Class A, the luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge-protection                                                                                                                                                                                                                                                            |
| Optical cover/lens type       | FG [ Flat glass]                                 |                                         |                                                                                                                                                                                                                                                                                                                                                                                            |
| Luminaire light beam spread   | 8° - 26° x 82°                                   |                                         |                                                                                                                                                                                                                                                                                                                                                                                            |
| Connection                    | Connection unit 3-pole                           |                                         |                                                                                                                                                                                                                                                                                                                                                                                            |
| Cable                         | -                                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                            |
| Protection class IEC          | Safety class I                                   |                                         |                                                                                                                                                                                                                                                                                                                                                                                            |
| Flammability mark             | F [ For mounting on normally flammable surfaces] |                                         |                                                                                                                                                                                                                                                                                                                                                                                            |
| CE mark                       | CE mark                                          |                                         |                                                                                                                                                                                                                                                                                                                                                                                            |
| ENEC mark                     | ENEC mark                                        |                                         |                                                                                                                                                                                                                                                                                                                                                                                            |
| Warranty period               | 5 years                                          |                                         |                                                                                                                                                                                                                                                                                                                                                                                            |

# ClearFlood

|                            |                                                  |
|----------------------------|--------------------------------------------------|
|                            | device, optics, front cover and mechanical parts |
| <b>Product family code</b> | BVP650 [ ClearFlood]                             |

## Light Technical

|                                       |    |
|---------------------------------------|----|
| <b>Upward light output ratio</b>      | 0  |
| <b>Standard tilt angle post-top</b>   | 0° |
| <b>Standard tilt angle side entry</b> | 0° |

## Operating and Electrical

|                            |             |
|----------------------------|-------------|
| <b>Input Voltage</b>       | 220-240 V   |
| <b>Input frequency</b>     | 50 to 60 Hz |
| <b>Inrush current</b>      | 53 A        |
| <b>Inrush time</b>         | 0.3 ms      |
| <b>Power factor (min.)</b> | 0.99        |

## Controls and Dimming

|                 |    |
|-----------------|----|
| <b>Dimmable</b> | No |
|-----------------|----|

## Mechanical and Housing

|                                            |                                          |
|--------------------------------------------|------------------------------------------|
| <b>Housing material</b>                    | Aluminium die-cast                       |
| <b>Reflector material</b>                  | -                                        |
| <b>Optic material</b>                      | Acrylate                                 |
| <b>Optical cover/lens material</b>         | Glass                                    |
| <b>Fixation material</b>                   | Steel                                    |
| <b>Mounting device</b>                     | MBA [ Mounting bracket adjustable]       |
| <b>Optical cover/lens shape</b>            | Flat                                     |
| <b>Optical cover/lens finish</b>           | Clear                                    |
| <b>Overall length</b>                      | 562 mm                                   |
| <b>Overall width</b>                       | 580 mm                                   |
| <b>Overall height</b>                      | 95 mm                                    |
| <b>Effective projected area</b>            | 0.26 m <sup>2</sup>                      |
| <b>Colour</b>                              | Grey                                     |
| <b>Dimensions (height x width x depth)</b> | 95 x 580 x 562 mm (3.7 x 22.8 x 22.1 in) |

## Approval and Application

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| <b>Ingress protection code</b> | IP66 [ Dust penetration-protected, jet-proof] |
|--------------------------------|-----------------------------------------------|

|                                               |                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------|
| <b>Mech. impact protection code</b>           | IK09 [ 10 J]                                                                       |
| <b>Surge protection (common/differential)</b> | Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode |

## Initial Performance (IEC Compliant)

|                                       |                        |
|---------------------------------------|------------------------|
| <b>Initial luminous flux</b>          | 32400 lm               |
| <b>Luminous flux tolerance</b>        | +/-7%                  |
| <b>Initial LED luminaire efficacy</b> | 147 lm/W               |
| <b>Init. Corr. Colour Temperature</b> | 4000 K                 |
| <b>Init. Colour rendering index</b>   | 70                     |
| <b>Initial chromaticity</b>           | (0.380, 0.390) SDCM <5 |
| <b>Initial input power</b>            | 220 W                  |
| <b>Power consumption tolerance</b>    | +/-11%                 |

## Over Time Performance (IEC Compliant)

|                                                                  |      |
|------------------------------------------------------------------|------|
| <b>Control gear failure rate at median useful life 100,000 h</b> | 10 % |
| <b>Lumen maintenance at median useful life* 100,000 h</b>        | L96  |

## Application Conditions

|                                           |               |
|-------------------------------------------|---------------|
| <b>Ambient temperature range</b>          | -40 to +50 °C |
| <b>Performance ambient temperature Tq</b> | 25 °C         |

## Product Data

|                                            |                                   |
|--------------------------------------------|-----------------------------------|
| <b>Full product code</b>                   | 871869945110300                   |
| <b>Order product name</b>                  | BVP650 LED360-4S/740 DX60 ALU PSU |
| <b>EAN/UPC – product</b>                   | 8718699451103                     |
| <b>Order code</b>                          | 45110300                          |
| <b>Numerator – quantity per pack</b>       | 1                                 |
| <b>SAP numerator – packs per outer box</b> | 1                                 |
| <b>Material no. (12 NC)</b>                | 912300023994                      |
| <b>SAP net weight (piece)</b>              | 16.150 kg                         |



## Dimensional drawing



ClearFlood BVP650/651

