



# ClearFlood Large

## BVP651 LED750-4S/740 DW10 ALU PSU

ClearFlood large, LED module 75000 lm, LED, Power supply unit (On/Off), Distribution wide 10, Aluminum

ClearFlood Large is designed to meet the requirements of a wide range of floodlighting applications from parking lots to tennis courts. One of the key advantages of ClearFlood Large, is that you can choose the exact lumen rating that you need for your specific application. Because ClearFlood incorporates extremely high-efficiency optics and state-of-the-art LEDs, it is a highly competitive solution that offers an outstanding lux/euro ratio and instant energy savings. What’s more, thanks to the wide choice of optics, you will always benefit from maximum coverage for your application. ClearFlood BVP651 is also easy to install – simply plug it in and select the option that best suits your needs.

### Product data

| General Information      |                                                                                                                                                                                                                                                                                                                                                                                           |                           |                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------|
| Lamp family code         | LED750 [LED module 75000 lm]                                                                                                                                                                                                                                                                                                                                                              | Light source engine type  | LED                                         |
| Light source replaceable | Yes                                                                                                                                                                                                                                                                                                                                                                                       | Service tag               | Yes                                         |
| Number of gear units     | 2 units                                                                                                                                                                                                                                                                                                                                                                                   | Product family code       | BVP651 [ClearFlood large]                   |
| Driver included          | Yes                                                                                                                                                                                                                                                                                                                                                                                       | Lighting Technology       | LED                                         |
| 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 | 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          |                                                                                                                                                                                                                                                                                                                                                                                           |                           |                                             |
|                          |                                                                                                                                                                                                                                                                                                                                                                                           | Upward light output ratio | 0                                           |

ClearFlood Large

|                                    |                      |
|------------------------------------|----------------------|
| Luminous Flux                      | 64,000 lm            |
| Standard tilt angle posttop        | 0°                   |
| Standard tilt angle side entry     | 0°                   |
| Correlated Color Temperature (Nom) | 4000 K               |
| Luminous Efficacy (rated) (Nom)    | 134 lm/W             |
| Color rendering index (CRI)        | 70                   |
| Light source color                 | 740 neutral white    |
| Optical cover type                 | Flat glass           |
| Luminaire light beam spread        | 52° - 7° x 151°      |
| Optic type outdoor                 | Distribution wide 10 |

Operating and Electrical

|                                          |                        |
|------------------------------------------|------------------------|
| Input Voltage                            | 220 to 240 V           |
| Line Frequency                           | 50 to 60 Hz            |
| Inrush current                           | 13 A                   |
| Inrush time                              | 1.32 ms                |
| Power Consumption                        | 475 W                  |
| Power Factor (Fraction)                  | 0.98                   |
| Connection                               | Connection unit 5-pole |
| Cable                                    | -                      |
| Number of products on MCB of 16 A type B | 3                      |

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                      | 880 mm             |
| Overall width                       | 656 mm             |
| Overall height                      | 100 mm             |
| Effective projected area            | 0.41 m²            |
| Dimensions (Height x Width x Depth) | 100 x 656 x 880 mm |

Approval and Application

|                                        |                                                                                    |
|----------------------------------------|------------------------------------------------------------------------------------|
| Ingress protection code                | IP66 [Dust penetration-protected, jet-proof]                                       |
| Mech. impact protection code           | IK08 [5 J vandal-protected]                                                        |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 4 kV differential mode and 4 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 Compliant)

|                                                          |         |
|----------------------------------------------------------|---------|
| Driver failure rate at 5000 h                            | 0.005 % |
| Control gear failure rate at median useful life 100000 h | 0.1 %   |
| Lumen maintenance at median useful life* 100000 h        | L95     |

Application Conditions

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

Product Data

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Order product name              | BVP651 LED750-4S/740 DW10 ALU PSU |
| Full product name               | BVP651 LED750-4S/740 DW10 ALU PSU |
| Full product code               | 871869911284400                   |
| Order code                      | 912300023796                      |
| Material Nr. (12NC)             | 912300023796                      |
| Numerator - Quantity Per Pack   | 1                                 |
| EAN/UPC - Product/Case          | 8718699112844                     |
| Numerator - Packs per outer box | 1                                 |
| EAN/UPC - Case                  | 8718699112844                     |

# ClearFlood Large

## Dimensional drawing

