



ClearFlood Large

BVP651 LED650-4S/740 DX10 ALU PSU

ClearFlood large, LED module 65000 lm, LED, Power supply unit (On/Off), Distribution extra wide 10, Aluminum

ClearFlood Large is designed to meet the requirements of a wide range of floodlighting applications. It also includes all the necessary control features and interfaces to make it future-proof and even more efficient. ClearFlood Large lets you choose the exact number of lumens you need for your application. Incorporating extremely high-efficiency optics and state-of-the-art LEDs, it is a highly competitive solution offering an outstanding lux/euro ratio and energy savings of up to 40% (without the use of additional controls). The wide choice of optics ensures maximum application coverage. ClearFlood Large is easy to install – you simply plug it in and select the best option for your needs. Perfect for replacing conventional technology and enabling intelligent lighting control while retaining the same electrical installation and poles.

Product data

| | | | |
|--------------------------|--|--|---|
| General Information | | automatically dim down to protect components | |
| Lamp family code | LED650 [LED module 65000 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 | 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 |

ClearFlood Large

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|----------------------|--|
| Serviceability class | Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts |
|----------------------|--|

Light Technical

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|------------------------------------|----------------------------|
| Upward light output ratio | 0 |
| Luminous Flux | 52,000 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 130 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 20° - 4° x 150° |
| Optic type outdoor | Distribution extra 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 | 405 W |
| Power Factor (Fraction) | 0.99 |
| 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

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|-------------------------------|----------------------------|
| 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

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|--|--|
| 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)

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|---------------------------------------|------------------------|
| 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)

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|--|---------|
| 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 | L96 |

Application Conditions

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

Product Data

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|---------------------------------|-----------------------------------|
| Order product name | BVP651 LED650-4S/740 DX10 ALU PSU |
| Full product name | BVP651 LED650-4S/740 DX10 ALU PSU |
| Full product code | 871869910807600 |
| Order code | 10807600 |
| Material Nr. (12NC) | 912300023763 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699108076 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699108076 |

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Dimensional drawing

