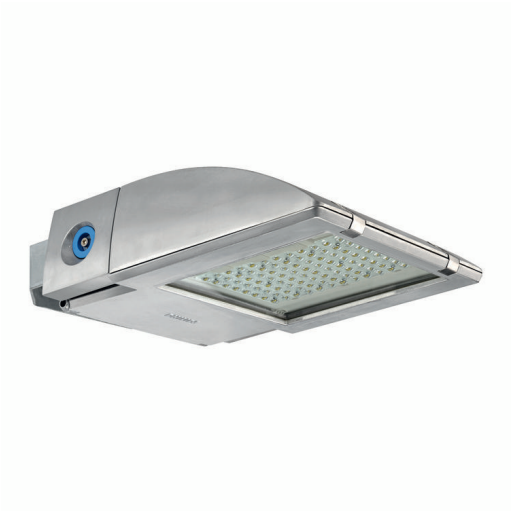

# OptiFlood LED BVP506

## BVP506 ECO99-3S/740 I A T35

OptiFlood LED, LED EconomyLine 9900 lm, Asymmetrical

OptiFlood LED is a range of stylish, extremely efficient asymmetric floodlights that can be used to illuminate large areas. Designed around the latest LED technology, it offers significant energy and maintenance savings compared with conventional HID systems. Thanks to its highly efficient LEDGine area optics, it can be used for area lighting applications that have traditionally required HID-equivalent power levels. Integrated controls are available as an option, enabling additional energy savings. And LED upgrades can be easily incorporated, making this a truly future-proof solution. With its compact shape and aesthetically pleasing design, OptiFlood LED can be used in applications where design and appearance are just important as technical performance.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | ECO99 [LED EconomyLine 9900 lm] |
| **Light source replaceable** | Yes |
| **Number of gear units** | 1 unit |
| **Driver included** | Yes |
| **Photocell** | - |
| **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. |
| **Light source engine type** | LED |
| **Product family code** | BVP506 [OptiFlood LED] |
| **Lighting Technology** | LED |
| **Embedded control** | - |
| **CE mark** | Yes |
| **Warranty period** | 5 years |
| **Flammability mark** | - |
| **ENEC mark** | ENEC mark |
| **EU RoHS compliant** | Yes |

# OptiFlood LED BVP506

| Light Technical | |
|---|---|
| **Upward light output ratio** | 0 |
| **Luminous Flux** | 8,386 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 93 lm/W |
| **Color rendering index (CRI)** | 70 |
| **Number of light sources** | 40 |
| **Light source color** | 740 neutral white |
| **Optical cover type** | Clear glass |
| **Luminaire light beam spread** | 48° x 66° |
| **Optic type outdoor** | Asymmetrical |

| Operating and Electrical | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 53 A |
| **Inrush time** | 0.300 ms |
| **Power Consumption** | 93 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Screw connector |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 8 |

| Temperature | |
|---|---|
| **Ambient temperature range** | -30 to +35 °C |

| Controls and Dimming | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit regulating |
| **Control interface** | - |
| **Constant light output** | No |

| Mechanical and Housing | |
|---|---|
| **Housing Material** | Aluminum |
| **Reflector material** | Glass |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Glass |
| **Fixation material** | Aluminum |
| **Housing Color** | Aluminum |
| **Mounting device** | - |
| **Optical cover shape** | Flat |
| **Optical cover finish** | Clear |
| **Overall length** | 730 mm |
| **Overall width** | 460 mm |
| **Overall height** | 176 mm |
| **Effective projected area** | 0.1 m² |
| **Dimensions (Height x Width x Depth)** | 176 x 460 x 730 mm |

| Approval and Application | |
|---|---|
| **Ingress protection code** | IP66 [Dust penetration-protected, jet-proof] |
| **Mech. impact protection code** | IK09 [10 J] |
| **Surge Protection (Common/Differential)** | 4/4 kV |
| **Protection class IEC** | Safety class I |

| Initial Performance (IEC Compliant) | |
|---|---|
| **Luminous flux tolerance** | +/-7% |
| **Initial chromaticity** | (0.38, 0.38) 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 75000 h** | 7.5 % |
| **Lumen maintenance at median useful life* 75000 h** | L80 |

| Application Conditions | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | Not applicable |

| Product Data | |
|---|---|
| **Order product name** | BVP506 ECO99-3S/740 I A T35 |
| **Full product name** | BVP506 ECO99-3S/740 I A T35 |
| **Full product code** | 871829142222800 |
| **Order code** | 42222800 |
| **Material Nr. (12NC)** | 910925439435 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718291422228 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718291422228 |

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## Dimensional drawing