



# OptiFlood LED BVP506

## BVP506 GRN107-3S/740 I S GR T35

OptiFlood LED, LED GreenLine 10700 lm, Symmetrical

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         | GRN107 [LED GreenLine 10700 lm]  | median useful life (B50) value also represents the B10 value. |                        |
| Light source replaceable | Yes  | Light source engine type                                      | LED                    |
| Number of gear units     | Unit   | Product family code   | BVP506 [OptiFlood LED] |
| Driver included          | Yes  | Lighting Technology   | LED                    |
| Photocell                | -  | Embedded control  | -                      |
| Remarks                  | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the |   |                        |
|                          |  | CE mark   | Yes                    |
|                          |  | Warranty period   | 5 years                |
|                          |  | Flammability mark   | -                      |
|                          |  | ENEC mark   | ENEC mark              |
|                          |  | EU RoHS compliant   | Yes                    |

# OptiFlood LED BVP506

|  |                              |
|--|------------------------------|
| <b>Light Technical</b>                   |                              |
| Upwards light output ratio               | 0                            |
| Luminous Flux                            | 9,149 lm                     |
| Standard tilt angle post-top             | 0°                           |
| Standard tilt angle side entry           | 0°                           |
| Correlated Colour Temperature            | 4000 K                       |
| Luminous efficacy (rated) (nom.)         | 113 lm/W                     |
| Colour rendering index (CRI)             | 70                           |
| Light source colour                      | 740 neutral white            |
| Optical cover type                       | Clear glass                  |
| Luminaire light beam spread              | 53° x 71°                    |
| Optic type outdoor                       | Symmetrical                  |
| <b>Operating and Electrical</b>          |                              |
| Input Voltage                            | 220 to 240 V                 |
| Line Frequency                           | 50 to 60 Hz                  |
| Average CLO power consumption            | [delete] W                   |
| End CLO power consumption                | [delete] W                   |
| Inrush current                           | 53 A                         |
| Inrush time                              | 0.3 ms                       |
| Power Consumption                        | 81 W                         |
| Power Factor (Fraction)                  | 0.9                          |
| Connection                               | Screw connector              |
| Cable                                    | -                            |
| Number of products on MCB of 16 A type B | 8                            |
| <b>Temperature</b>                       |                              |
| Ambient temperature range                | -30 to +35 °C                |
| <b>Controls and Dimming</b>              |                              |
| Dimmable                                 | No                           |
| Driver/power unit/transformer            | Power supply unit regulating |
| Control interface                        | -                            |
| Constant light output                    | No                           |
| <b>Mechanical and Housing</b>            |                              |
| Housing material                         | Aluminium                    |
| Reflector material                       | -                            |
| Optic material                           | Polycarbonate                |
| Optical cover/lens material              | Glass                        |
| Fixation material                        | Aluminium                    |
| Housing Colour                           | Grey                         |
| Mounting device                          | -                            |

|   |  |
|---|--|
| Optical cover/lens shape                                  | Flat   |
| Optical cover/lens 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                           |
| <b>Approval and Application</b>                           |  |
| 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                               |
| <b>Initial Performance (IEC Compliant)</b>                |  |
| Luminous flux tolerance                                   | +/-7%  |
| Initial chromaticity                                      | (0.38, 0.38) SDCM <5                         |
| Power consumption tolerance                               | +/-10%                                       |
| Init. Color Rendering Index Tolerance                     | +/-2   |
| <b>Over Time Performance (IEC Compliant)</b>              |  |
| Control gear failure rate at median useful life 100,000 h | 10 %   |
| Lumen maintenance at median useful life* 100,000 h        | L80  |
| <b>Application Conditions</b>                             |  |
| Performance ambient temperature Tq                        | 25 °C  |
| Maximum dim level   | Not applicable                               |
| <b>Product Data</b>                                       |  |
| Order product name  | BVP506 GRN107-3S/740 I S GR T35              |
| Full product name   | BVP506 GRN107-3S/740 I S GR T35              |
| Full EOC  | 871829141806100                              |
| Order code  | 41806100                                     |
| Material no. (12 NC)                                      | 910925439381                                 |
| SAP numerator – quantity per pack                         | 1  |
| EAN/UPC — Product/Case                                    | 8718291418061                                |
| Numerator – packs per outer box                           | 1  |
| EAN/UPC – Case  | 8718291418061                                |

## OptiFlood LED BVP506

### Dimensional drawing

