



# OptiFlood LED BVP506

# BVP506 EC0166-3S/657 I DM GR T35

OptiFlood LED, LED EconomyLine 16600 lm, Distribution medium

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.

> there is no relevant difference in lumen maintenance between B50 and for

### **Product data**

| General Information      |   |
|--------------------------|---|
| Lamp family code         | ECO166 [LED EconomyLine 16600 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 |

|                          | 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                                 |
|                          |   |

## **OptiFlood LED BVP506**

| EU RoHS compliant                  | Yes                 |
|------------------------------------|---------------------|
|                                    |                     |
| Light Technical                    |                     |
| Upward light output ratio          | 0                   |
| Luminous Flux                      | 14,380 lm           |
| Standard tilt angle posttop        | O°                  |
| Standard tilt angle side entry     | O°                  |
| Correlated Color Temperature (Nom) | 5700 K              |
| Luminous Efficacy (rated) (Nom)    | 99 lm/W             |
| Color rendering index (CRI)        | 70                  |
| Number of light sources            | 64                  |
| Light source color                 | 757 cool white      |
| Optical cover type                 | Clear glass         |
| Luminaire light beam spread        | 73° x 26°           |
| Optic type outdoor                 | Distribution medium |
|                                    |                     |

| 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                         |
|  |  |

#### Operating and Electrical

| 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                        | 140 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

#### **Controls and Dimming**

| No                           |
|------------------------------|
| Power supply unit regulating |
| -                            |
| No                           |
|                              |

-30 to +35 °C

#### Mechanical and Housing

| _                      |               |
|------------------------|---------------|
| Housing Material       | Aluminum      |
| Reflector material     | -             |
| Optic material         | Polycarbonate |
| Optical cover material | Glass         |
| Fixation material      | Aluminum      |
| Housing Color          | Grey          |
|                        |               |

## Luminous flux tolerance +/-7%

| Initial chromaticity                  | (0.33, 0.34) SDCM <5 |
|---------------------------------------|----------------------|
| Power consumption tolerance           | +/-10%               |
| Init. Color Rendering Index Tolerance | +/-2                 |

#### Over Time Performance (IEC Compliant)

Initial Performance (IEC Compliant)

| Control gear failure rate at median useful | 7.5 % |
|--|-------|
| life 75000 h                               |       |
| Lumen maintenance at median useful life*   | L80   |
| 75000 h                                    |       |

#### **Application Conditions**

 Performance ambient temperature Tq
 25 °C

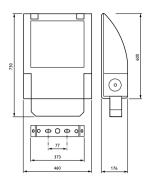
 Maximum dim level
 Not applicable

#### Product Data

| Order product name              | BVP506 ECO166-3S/657 I DM GR T35 |
|---------------------------------|----------------------------------|
| Full product name               | BVP506 ECO166-3S/657 I DM GR T35 |
| Full product code               | 871829141833700                  |
| Order code                      | 41833700                         |
| Material Nr. (12NC)             | 910925439409                     |
| Numerator - Quantity Per Pack   | 1                                |
| EAN/UPC - Product/Case          | 8718291418337                    |
| Numerator - Packs per outer box | 1                                |
| EAN/UPC - Case                  | 8718291418337                    |
|                                 |                                  |

## **OptiFlood LED BVP506**

## Dimensional drawing





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