

OptiFlood LED BVP506

BVP506 GRN68-3S/740 I A T35

OptiFlood LED, LED GreenLine 6800 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	GRN68 [LED GreenLine 6800 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

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Light Technical	
Upward light output ratio	0
Luminous Flux	6,019 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	116 lm/W
Color rendering index (CRI)	70
Number of light sources	48
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	46 A
Inrush time	0.250 ms
Power Consumption	60 W
Power Factor (Fraction)	0.9
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	11

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

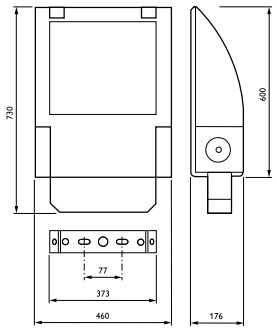
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

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

Product Data	
Order product name	BVP506 GRN68-3S/740 I A T35
Full product name	BVP506 GRN68-3S/740 I A T35
Full product code	871829142224200
Order code	42224200
Material Nr. (12NC)	910925439437
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291422242
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291422242

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Dimensional drawing



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