



OptiFlood LED BVP506

BVP506 GRN117-3S/740 I DM T35

OptiFlood LED, LED GreenLine 11700 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.

Product data

General Information		
Lamp family code	GRN117 [LED GreenLine 11700 lm]	life (B50) value also represents the B10 value.
Light source replaceable	Yes	Light source engine type
Number of gear units	1 unit	LED
Driver included	Yes	Product family code
Photocell	-	BVP506 [OptiFlood 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	Lighting Technology
		LED
		Flammability mark
		-
		CE mark
		Yes
		ENEC mark
		ENEC mark
		Warranty period
		5 years
		EU RoHS compliant
		Yes
		Embedded control
		-

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Light Technical

Upward light output ratio	0
Luminous Flux	9,942 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	114 lm/W
Color rendering index (CRI)	70
Number of light sources	96
Light source color	740 neutral white
Optical cover type	Clear glass
Luminaire light beam spread	73° x 26°
Optic type outdoor	Distribution medium

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	87 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
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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	-
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 m ²
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 GRN117-3S/740 I DM T35
Full product name	BVP506 GRN117-3S/740 I DM T35
Full product code	871829141825200
Order code	910925439401
Material Nr. (12NC)	910925439401
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291418252
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291418252

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Dimensional drawing

