

OptiFlood LED BVP506

BVP506 GRN107-3S/740 I DM T35

OptiFlood LED - LED GreenLine 10700 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	
Number of light sources	80 [80 pcs]
Lamp family code	GRN107 [LED GreenLine 10700 lm]
Lamp version	3S [3rd generation, screw fixation]
Light source colour	740 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	PSR [Power supply unit regulating]
Driver included	Yes
Optical cover/lens type	GC [Clear glass]
Luminaire light beam spread	73° x 26°
Embedded control	No [-]

Control interface	-
Light regulation	-
Electrical circuit protection	-
Connection	Screw connector
Cable	-
Protection class IEC	Safety class I
Coating	-
Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Mechanical accessories	No [-]

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Outdoor optic type	Distribution medium
Photocell	No [-]
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.
Constant light output	No
Number of products on MCB	8
RoHS mark	RoHS mark
LED engine type	LED
Product Family Code	BVP506 [OptiFlood LED]

Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	1-10 V DC
Average CLO power consumption	[delete] W
End CLO power consumption	[delete] W
Inrush current	53 A
Inrush time	0.3 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Aluminum
Mounting device	No [-]
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

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

Initial Performance (IEC Compliant)

Initial luminous flux	9149 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	113 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	70
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	81 W
Power consumption tolerance	+/-11%

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

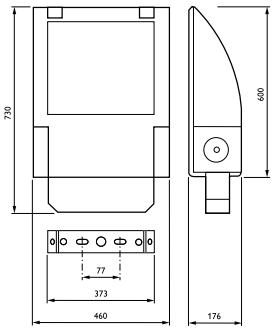
Ambient temperature range	-30 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

Product Data

Full product code	871829141824500
Order product name	BVP506 GRN107-3S/740 I DM T35
EAN/UPC – product	8718291418245
Order code	41824500
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925439399
Net weight (piece)	20.000 kg

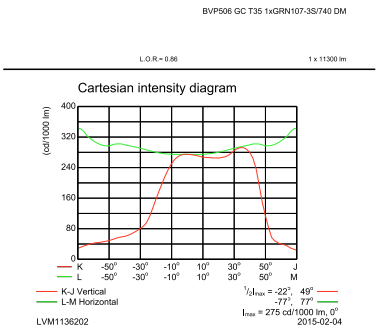
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Dimensional drawing



OptiFlood LED BVP506

Photometric data



OFCC1_BVP506 GC T35 1xGRN107-3S740 DM.EPS

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