



OptiFlood LED BVP506

BVP506 GRN117-3S/740 II S GR T35

OptiFlood LED, LED GreenLine 11700 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	GRN117 [LED GreenLine 11700 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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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	53° x 71°
Optic type outdoor	Symmetrical

Operating	

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

Ambient temperature range

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Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	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
Mounting device	-

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 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 II Initial Performance (IEC Compliant) Luminous flux tolerance +/-7% Initial chromaticity Initi. Color Rendering Index Tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Control gear failure rate at median useful 10 % life 100000 h	Optical cover shape	Flat
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 176 [Dust penetration-protected, jet-proof] Mech. impact protection code IK09 [10 J] Surge Protection (Common/Differential) 4/4 kV Protection class IEC Safety class II Initial Performance (IEC Compliant) Luminous flux tolerance +/-7% Initial chromaticity Init. Color Rendering Index Tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) I0 %	Optical cover finish	Clear
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Effective projected area 0.1 m² Dimensions (Height x Width x Depth) 176 x 460 x 730 mm Approval and Application 176 x 460 x 730 mm 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 II Initial Performance (IEC Compliant) Luminous flux tolerance 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	Overall width	460 mm
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 II Initial Performance (IEC Compliant) Luminous flux tolerance Luminous flux tolerance +/-7% Initial chromaticity (0.38, 0.38) SDCM <5 Power consumption tolerance +/-2 Over Time Performance (IEC Compliant) U Control gear failure rate at median useful 10 %	Overall height	176 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 II Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity (0.38, 0.38) SDCM <5 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) I0 %	Effective projected area	0.1 m²
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Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Control gear failure rate at median useful 10 %	Initial chromaticity	(0.38, 0.38) SDCM <5
Over Time Performance (IEC Compliant) Control gear failure rate at median useful 10 %	Power consumption tolerance	+/-10%
Control gear failure rate at median useful 10 %	Init. Color Rendering Index Tolerance	+/-2
Control gear failure rate at median useful 10 %		
-	Over Time Performance (IEC Complia	nt)
life 100000 h	Control gear failure rate at median useful	10 %
	life 100000 h	

Lumen maintenance at median useful life*	L80
100000 h	

Application Conditions

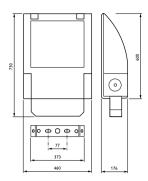
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Floduct Data	
Order product name	BVP506 GRN117-3S/740 II S GR T35
Full product name	BVP506 GRN117-3S/740 II S GR T35
Full product code	871829141819100
Order code	41819100
Material Nr. (12NC)	910925439394
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291418191
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291418191

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Dimensional drawing





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