



# OptiFlood LED BVP506

## BVP506 GRN98-3S/740 I S GR T35

OptiFlood LED, LED GreenLine 9800 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	GRN98 [LED GreenLine 9800 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Photocell	<del>-</del>
Remarks	*- According to the Lighting Europe
	guidance paper 'Evaluating performance of
	LED based luminaires – January 2018':
	statistically there is no relevant difference
	in lumen maintenance between the B50
	and, for example, the 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

Datasheet, 2023, April 29 data subject to change

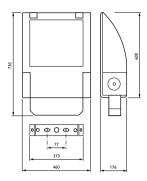
# **OptiFlood LED BVP506**

Light Technical	
Upwards light output ratio	0
Luminous Flux	8,417 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	115 lm/W
Colour rendering index (CRI)	740 neutral white
Light source colour	
Optical cover type	Clear glass
Luminaire light beam spread	53° x 71°
Optic type outdoor	Symmetrical
Operating and Electrical	
	220 to 240 V
Input Voltage	50 to 60 Hz
Line Frequency  Average CLO power consumption	· · · · · · · · · · · · · · · · · · ·
End CLO power consumption	[delete] W [delete] W
Inrush current	53 A
Inrush time	0.3 ms
	73 W
Power Consumption  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
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	-

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
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 Complian	nt)
Control coor foilure note at modifica cooful	
Control gear failure rate at median useful	10 %
life 100,000 h	10 %
	10 % L80
life 100,000 h	
life 100,000 h Lumen maintenance at median useful life*	
life 100,000 h Lumen maintenance at median useful life*	
life 100,000 h Lumen maintenance at median useful life* 100,000 h	
life 100,000 h  Lumen maintenance at median useful life*  100,000 h  Application Conditions	L80
life 100,000 h  Lumen maintenance at median useful life* 100,000 h  Application Conditions  Performance ambient temperature Tq	L80 25 ℃
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life 100,000 h  Lumen maintenance at median useful life* 100,000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full EOC  Order code  Material no. (12 NC)	L80  25 °C  Not applicable  BVP506 GRN98-3S/740 I S GR T35  BVP506 GRN98-3S/740 I S GR T35  871829141805400  41805400  910925439380
life 100,000 h  Lumen maintenance at median useful life* 100,000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full EOC  Order code  Material no. (12 NC)  SAP numerator – quantity per pack	L80  25 °C  Not applicable  BVP506 GRN98-3S/740   S GR T35  BVP506 GRN98-3S/740   S GR T35  871829141805400  41805400  910925439380  1
life 100,000 h  Lumen maintenance at median useful life* 100,000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full EOC  Order code  Material no. (12 NC)  SAP numerator – quantity per pack  EAN/UPC — Product/Case	L80  25 °C  Not applicable  BVP506 GRN98-3S/740   S GR T35  BVP506 GRN98-3S/740   S GR T35  871829141805400  41805400  910925439380  1  8718291418054

## **OptiFlood LED BVP506**

### Dimensional drawing





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