



OptiFlood LED BVP506

BVP506 ECO151-3S/657 II S GR T35

OptiFlood LED, LED EconomyLine 15100 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	ECO151 [LED EconomyLine 15100 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.
LED
BVP506 [OptiFlood LED]
LED
-
Yes
ENEC mark
5 years
Yes
-

Datasheet, 2023, September 4 data subject to change

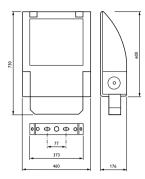
OptiFlood LED BVP506

Light Technical	
Upward light output ratio	0
Luminous Flux	13,159 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	70
Number of light sources	60
Light source color	757 cool white
	Clear glass
Optical cover type	53° x 71°
Luminaire light beam spread	
Optic type outdoor	Symmetrical
Operating and Electrical	
Operating and Electrical	220 to 240 V
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	121 W
Power Factor (Fraction)	0.9
Connection	Screw connector
Cable	<u>-</u>
Number of products on MCB of 16 A type B	8
Temperature	
Ambient temperature range	-30 to +35 ℃
6	
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	Grey
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 II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.33, 0.34) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Complia	nt)
Control gear failure rate at median useful	7.5 %
life 75000 h	
Lumen maintenance at median useful life*	L80
75000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Product Data	
Product Data Order product name	BVP506 ECO151-3S/657 II S GR T35
	BVP506 EC0151-3S/657 II S GR T35 BVP506 EC0151-3S/657 II S GR T35
Order product name	
Order product name Full product name	BVP506 EC0151-3S/657 II S GR T35
Order product name Full product name Full product code	BVP506 ECO151-3S/657 II S GR T35 871829141820700
Order product name Full product code Order code	BVP506 ECO151-3S/657 II S GR T35 871829141820700 910925439395
Order product name Full product code Order code Material Nr. (12NC)	BVP506 ECO151-3S/657 II S GR T35 871829141820700 910925439395 910925439395
Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	BVP506 ECO151-3S/657 II S GR T35 871829141820700 910925439395 910925439395
Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	BVP506 EC0151-3S/657 II S GR T35 871829141820700 910925439395 910925439395 1 8718291418207
Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	BVP506 ECO151-3S/657 II S GR T35 871829141820700 910925439395 910925439395 1 8718291418207 1

OptiFlood LED BVP506

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.