![Philips Lighting logo]

OptiFlood LED BVP506

BVP506 ECO151-3S/657 II DM GR T35

OptiFlood LED, LED EconomyLine 15100 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	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.
Light source engine type	LED
Product family code	BVP506 [OptiFlood LED]
Lighting Technology	LED
Flammability mark	–
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes

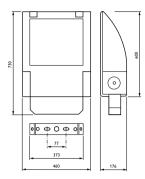# OptiFlood LED BVP506

Embedded control	–	**Mounting device**	–
		Optical cover shape	Flat
Light Technical		**Optical cover finish**	Clear
Upward light output ratio	0	**Overall length**	730 mm
Luminous Flux	13,159 lm	**Overall width**	460 mm
Standard tilt angle posttop	0°	**Overall height**	176 mm
Standard tilt angle side entry	0°	**Effective projected area**	0.1 m²
Correlated Color Temperature (Nom)	5700 K	**Dimensions (Height x Width x Depth)**	176 x 460 x 730 mm
Luminous Efficacy (rated) (Nom)	100 lm/W		
Color rendering index (CRI)	70	**Approval and Application**	
Number of light sources	60	**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Light source color	757 cool white		
Optical cover type	Clear glass	**Mech. impact protection code**	IK09 [10 J]
Luminaire light beam spread	73° x 26°	**Surge Protection (Common/Differential)**	4/4 kV
Optic type outdoor	Distribution medium	**Protection class IEC**	Safety class II
Operating and Electrical		**Initial Performance (IEC Compliant)**	
Input Voltage	220 to 240 V	**Luminous flux tolerance**	+/–7%
Line Frequency	50 to 60 Hz	**Initial chromaticity**	(0.33, 0.34) SDCM <5
Average CLO power consumption	[delete] W	**Power consumption tolerance**	+/–10%
End CLO power consumption	[delete] W	**Init. Color Rendering Index Tolerance**	+/–2
Inrush current	53 A		
Inrush time	0.3 ms	**Over Time Performance (IEC Compliant)**	
Power Consumption	121 W	**Control gear failure rate at median useful life 75000 h**	7.5 %
Power Factor (Fraction)	0.9		
Connection	Screw connector	**Lumen maintenance at median useful life* 75000 h**	L80
Cable	–		
Number of products on MCB of 16 A type B	8		
		Application Conditions	
Temperature		**Performance ambient temperature Tq**	25 ℃
Ambient temperature range	–30 to +35 ℃	**Maximum dim level**	Not applicable
Controls and Dimming		**Product Data**	
Dimmable	No	**Order product name**	BVP506 ECO151-3S/657 II DM GR T35
Driver/power unit/transformer	Power supply unit regulating	**Full product name**	BVP506 ECO151-3S/657 II DM GR T35
Control interface	–	**Full product code**	871829141844300
Constant light output	No	**Order code**	910925439420
		Material Nr. (12NC)	910925439420
Mechanical and Housing		**Numerator – Quantity Per Pack**	1
Housing Material	Aluminum	**EAN/UPC – Product/Case**	8718291418443
Reflector material	–	**Numerator – Packs per outer box**	1
Optic material	Polycarbonate	**EAN/UPC – Case**	8718291418443
Optical cover material	Glass		
Fixation material	Aluminum		
Housing Color	Grey		

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Dimensional drawing