



# OptiFlood LED BVP506

### BVP506 ECO166-3S/657 I DM GR T35

OptiFlood LED, LED EconomyLine 16600 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	ECO166 [LED EconomyLine 16600 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 usefu	
	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	

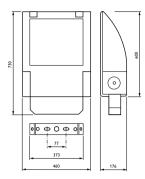
Datasheet, 2023, September 4 data subject to change

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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	14,380 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)	99 lm/W			
Color rendering index (CRI)	70	Approval and Application		
Number of light sources	64	Ingress protection code	IP66 [Dust penetration-protected, jet-	
Light source color	757 cool white		proof]	
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 I	
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 Complia	Performance (IEC Compliant)	
Power Consumption	140 W	Control gear failure rate at median useful	7.5 %	
Power Factor (Fraction)	0.9	life 75000 h		
Connection	Screw connector	Lumen maintenance at median useful life*	L80	
Cable	-	75000 h		
Number of products on MCB of 16 A type B	8			
		Application Conditions		
Temperature		Performance ambient temperature Tq	25 °C	
Ambient temperature range	-30 to +35 °C	Maximum dim level	Not applicable	
Controls and Dimming		Product Data		
Dimmable	No	Order product name	BVP506 ECO166-3S/657 I DM GR T35	
Driver/power unit/transformer	Power supply unit regulating	Full product name	BVP506 ECO166-3S/657 I DM GR T35	
Control interface		Full product code	871829141833700	
Constant light output	No	Order code	910925439409	
		Material Nr. (12NC)	910925439409	
Mechanical and Housing		Numerator - Quantity Per Pack	1	
Housing Material	Aluminum	EAN/UPC - Product/Case	8718291418337	
Reflector material		Numerator - Packs per outer box	1	
Optic material	Polycarbonate	EAN/UPC - Case	8718291418337	
Optical cover material	Glass			
Fixation material	Aluminum			
Housing Color	Grey			

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#### Dimensional drawing





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