



# OptiFlood LED BVP506

## BVP506 EC0166-3S/657 II 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.

there is no relevant difference in lumen

maintenance between B50 and for

#### **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

	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

## **OptiFlood LED BVP506**

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Operating	and E	lectrical

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	140 W
Power Factor (Fraction)	0.9
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	8

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Tem	perature

Ambient temperature range

**Controls and Dimming** 

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

-30 to +35 °C

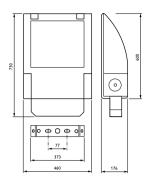
#### Mechanical and Housing

uminum
olycarbonate
lass
luminum
rey

Mounting device	_
Optical cover shape	- Flat
Optical cover snape	Clear
Overall length	730 mm
Overall width	460 mm
Overall height	176 mm
Effective projected area	0.1 m <sup>2</sup>
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
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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 ℃
Maximum dim level	Not applicable
Product Data	
Order product name	BVP506 ECO166-3S/657 II DM GR T35
Full product name	BVP506 ECO166-3S/657 II DM GR T35
Full product code	871829141845000
Order code	41845000
Material Nr. (12NC)	910925439421
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291418450
	1
Numerator - Packs per outer box	1

### **OptiFlood LED BVP506**

#### Dimensional drawing





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