



OptiFlood LED BVP506

BVP506 ECO142-3S/740 I A T35

OptiFlood LED - LED EconomyLine 14200 lm - Asymmetrical

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			
Number of light sources	56 [56 pcs]	Control interface	-
Lamp family code	ECO142 [LED EconomyLine 14200 lm]	Light regulation	-
Lamp version	3S [3rd generation, screw fixation]	Electrical circuit protection	-
Light source colour	740 neutral white	Connection	SCREW [Screw connector]
Light source replaceable	Yes	Cable	-
Number of gear units	1 unit	Protection class IEC	Safety class I (I)
Driver/power unit/transformer	PSR [Power supply unit regulating]	Coating	-
Driver included	Yes	Flammability mark	NO [-]
Optical cover/lens type	GC [Clear glass]	CE mark	CE mark
Luminaire light beam spread	48° x 66°	ENEC mark	ENEC mark
Embedded control	No [-]	Warranty period	5 years
		Mechanical accessories	No [-]

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Outdoor optic type	Asymmetrical
Photocell	No [-]
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.
Constant light output	No
Number of products on MCB	8
RoHS mark	RoHS mark
LED engine type	LED
Product Family Code	BVP506 [OptiFlood LED]

Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	1-10 V DC
Average CLO power consumption	[delete] W
End CLO power consumption	[delete] W
Inrush current	53 A
Inrush time	0.3 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Aluminum
Mounting device	No [-]
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
Colour	Aluminum

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

Initial Performance (IEC Compliant)

Initial luminous flux	12459 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	100 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	70
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	129 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 75000 h	7.5 %
Lumen maintenance at median useful life* 75000 h	L80

Application Conditions

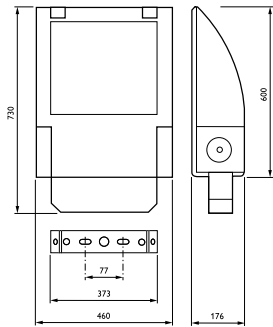
Ambient temperature range	-30 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

Product Data

Full product code	871829142220400
Order product name	BVP506 ECO142-3S/740 I A T35
EAN/UPC – product	8718291422204
Order code	42220400
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (I2NC)	910925439433
Net weight (piece)	20.000 kg

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Dimensional drawing



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