PHILIPS

Lighting



OptiFlood LED BVP506

BVP506 ECO151-3S/657 I S 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	
Number of light sources	60 [60 pcs]
Lamp family code	ECO151 [LED EconomyLine 15100 lm]
Lamp version	3S [3rd generation, screw fixation]
Light source colour	757 cool white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	PSR [Power supply unit regulating]
Driver included	Yes
Optical cover/lens type	GC [Clear glass]
Luminaire light beam spread	53° x 71°
Embedded control	No [-]

Control interface	-
Light regulation	-
Electrical circuit protection	-
Connection	SCREW [Screw connector]
Cable	-
Protection class IEC	Safety class I (I)
Coating	-
Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Mechanical accessories	No [-]

OptiFlood LED BVP506

Outdoor optic type	Symmetrical
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

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

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	13159 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	100 lm/W
Init. Corr. colour temperature	5700 K
Init. colour rendering index	70
Initial chromaticity	(0.33, 0.34) SDCM <5
Initial input power	121 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

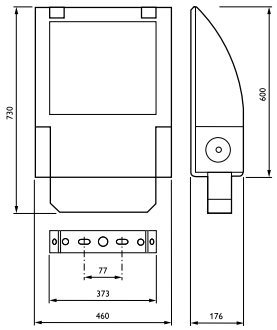
Ambient temperature range	-30 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

Product Data

Full product code	871829141802300
Order product name	BVP506 ECO151-3S/657 I S T35
EAN/UPC – product	8718291418023
Order code	41802300
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925439377
Net weight (piece)	20.000 kg

OptiFlood LED BVP506

Dimensional drawing



OptiFlood LED BVP506

© 2019 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.