PHILIPS Lighting



Ledinaire floodlights gen3

BVP164 LED55/830 PSU 50W SWB MDU CE

Ledinaire floodlights gen3, 50 W, 5500 lm, 3000 K, CRI80, Symmetrical wide beam, MDU1, IP65

This Ledinaire floodlights range contains a selection of popular off-the-shelf LED luminaires that comes with the Philips high quality levels at a competitive price. Reliable, energy-efficient and affordable – just what you need.

Product data

General Information	
Lamp family code	-
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	No
Lighting Technology	LED
Embedded control	Movement and light sensor (On/Off)
CE mark	Yes
Warranty period	3 years
Flammability mark	-
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0

Luminous Flux	5,500 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	110 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value as	1
per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	5
Light source color	830 warm white
Light source color Optical cover type	830 warm white Glass
Optical cover type	Glass
Optical cover type Luminaire light beam spread	Glass 110° x 110°
Optical cover type Luminaire light beam spread	Glass 110° x 110°
Optical cover type Luminaire light beam spread Optic type outdoor	Glass 110° x 110°
Optical cover type Luminaire light beam spread Optic type outdoor Operating and Electrical	Glass 110° x 110° Symmetrical wide beam
Optical cover type Luminaire light beam spread Optic type outdoor Operating and Electrical Input Voltage	Glass 110° x 110° Symmetrical wide beam 220 to 240 V

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Average CLO power consumption	50 W
End CLO power consumption	- W
Inrush current	1.68 A
Inrush time	0.0082 ms
Power Consumption	50 W
Power Factor (Fraction)	0.9
Connection	Flying leads/wires
Cable	Cable 1.0 m without plug
Number of products on MCB of 16 A type B	44
Temperature	
Ambient temperature range	-20 to +40 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	Polycarbonate
Optic material	Glass
Optical cover material	Tempered glass
Fixation material	Steel
Housing Color	Gray
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	173 mm
Overall width	263 mm
Overall height	53 mm
Effective projected area	0.028 m²
Dimensions (Height x Width x Depth)	53 x 263 x 173 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-

50000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Product Data	
Order product name	BVP164 LED55/830 PSU 50W SWB
	CE
Full product name	BVP164 LED55/830 PSU 50W SWB
	CE
Full product code	871951453476699
Order code	911401884583
Material Nr. (12NC)	911401884583
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514534766
Numerator - Packs per outer box	16
EAN/UPC - Case	8719514534865

Sustainability rating

Protection class IEC

Photobiological risk

Luminous flux tolerance Initial chromaticity

50000 h

Power consumption tolerance Init. Color Rendering Index Tolerance

Photobiological risk specification

Initial Performance (IEC Compliant)

Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 5 %

Lumen maintenance at median useful life*

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Safety class I

EN62778

0.2 m

+/-10%

+/-10%

+/-2

80

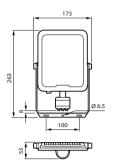
(0.440, 0.403) SDCM <5

Photobiological risk group 1@200mm to

Ingress protection code	IP65 [Dust penetration-protected, jet-
	proof]
Mech. impact protection code	IK07 [2 J reinforced]
Surge Protection (Common/Differential)	Luminaire surge protection level until 2
	kV differential mode and 2 kV common
	mode

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Dimensional drawing





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