PHILIPS

Lighting

Ledinaire floodlights gen3

BVP164 LED55/830 PSU 50W SWB CE

Ledinaire floodlights gen3, 50 W, 5500 lm, 3000 K, CRI80, Symmetrical wide beam, 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	Unit
Driver included	Yes
Light source engine type	LED
Lighting Technology	LED
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	
Upwards light output ratio	0
Luminous Flux	5,500 lm
Standard tilt angle post-top	-
Standard tilt angle side entry	-
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	110 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect	5
Light source colour	830 warm white
Optical cover type	Glass
Luminaire light beam spread	110° x 110°
Optic type outdoor	Symmetrical wide beam

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	50 W
End CLO power consumption	- W
Inrush current	1.68 A

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Inrush time	0.0082 ms
Power Consumption	50 W
Power Factor (Fraction)	0.95
Connection	Flying leads/cables
Cable	Cable 1.0 m without plug
Number of products on MCB of 16 A type B	44

Temperature

Ambient temperature range	-25 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	Aluminium die cast
Reflector material	Polycarbonate
Optic material	Glass
Optical cover/lens material	Tempered glass
Fixation material	Steel
Housing Colour	Grey
Mounting device	Mounting bracket adjustable
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	173 mm
Overall width	232 mm
Overall height	26.1 mm
Effective projected area	0.028 m²
Dimensions (height x width x depth)	26 x 232 x 173 mm

Approval and Application

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 up to 2 kV differential mode and 2 kV common mode
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	0.2 m

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.440, 0.403) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	80

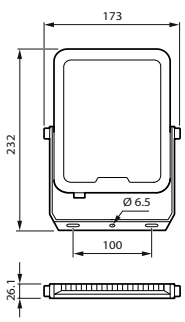
Application Conditions

Performance ambient temperature Tq	25 °C
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 EOC	871951453361599
Order code	53361599
Material no. (12 NC)	911401844483
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514533615
Numerator – packs per outer box	16
EAN/UPC - Case	8719514533851

Dimensional drawing



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2023, April 15 - data subject to change