PHILIPS

Lighting



Ledinaire floodlights gen3

BVP164 LED55/830 PSU 50W SWB MDU CE

830 warm white - Symmetrical

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 colour	830 warm white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	No [-]
Driver included	Yes
Optical cover/lens type	G [Glass]
Luminaire light beam spread	110° x 110°
Control interface	-
Connection	Flying leads/cables
Cable	Cable 1.0 m without plug (C1K)
Protection class IEC	Safety class I
Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	-
Warranty period	3 years
Optic type outdoor	Symmetrical
Constant light output	No

Number of products on MCB (16 A type B)	44
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Light source engine type	LED

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

Operating and Electrical	
Input Voltage	220 to 240 V
Input 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 factor (min.)	0.9

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing material	Aluminium die–cast
Reflector material	Polycarbonate
Optic material	Glass
Optical cover/lens material	Tempered glass
Fixation material	Steel
Mounting device	MBA [Mounting bracket adjustable]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	173 mm
Overall width	263 mm
Overall height	53 mm
Effective projected area	0.028 m²
Colour	grey
Dimensions (height x width x depth)	53 x 263 x 173 mm (2.1 x 10.4 x 6.8 in)

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Surge protection (common/differential)	2/2 kV
Sustainability rating	-

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	5500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	110 lm/W
Init. Corr. Colour Temperature	3000 K
Init. Colour rendering index	>80
Initial chromaticity	(0.440, 0.403) SDCM <5
Initial input power	50 W
Power consumption tolerance	+/-10%
Init. colour 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

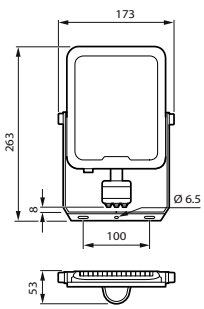
Ambient temperature range	-20 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

Product Data

Full product code	871951453476699
Order product name	BVP164 LED55/830 PSU 50W SWB MDU CE
EAN/UPC – product	8719514534766
Order code	53476699
SAP numerator – quantity per pack	1
Numerator – packs per outer box	16
SAP material	911401884583
SAP net weight (piece)	0.890 kg



Dimensional drawing



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2022, June 27 - data subject to change