



Ledinaire floodlights gen3

BVP164 LED84/840 PSU 70W SWB MDU CE

Ledinaire floodlights gen3, 70 W, 8400 lm, 4000 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	-	Standard tilt angle post-top	-
Light source replaceable	No	Standard tilt angle side entry	-
Number of gear units	Unit	Correlated Colour Temperature	4000 K
Driver included	Yes	Luminous efficacy (rated) (nom.)	120 lm/W
Light source engine type	LED	Colour rendering index (CRI)	>80
Lighting Technology	LED	Flickering value (PstLM)	1
Embedded control	Movement and light sensor (On/Off)	Stroboscopic effect	5
CE mark	Yes	Light source colour	840 neutral white
Warranty period	3 years	Optical cover type	Glass
Flammability mark	-	Luminaire light beam spread	110° x 110°
ENEC mark	-	Optic type outdoor	Symmetrical wide beam
Glow-wire test	Temperature 650 °C, duration 30 s		
EU RoHS compliant	Yes	Operating and Electrical	
		Input Voltage	220 to 240 V
		Line Frequency	50 or 60 Hz
		Initial CLO power consumption	- W
		Average CLO power consumption	70 W
		End CLO power consumption	- W
Light Technical			
Upwards light output ratio	0		
Luminous Flux	8,400 lm		

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Inrush current	3.64 A
Inrush time	0.0222 ms
Power Consumption	70 W
Power Factor (Fraction)	0.9
Connection	Flying leads/cables
Cable	Cable 2.0 m without plug
Number of products on MCB of 16 A type B	31

Temperature

Ambient temperature range	-20 to +40 °C
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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	203 mm
Overall width	293 mm
Overall height	53 mm
Effective projected area	0.038 m ²
Dimensions (height x width x depth)	53 x 293 x 203 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
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	(0.380, 0.380) 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 LED84/840 PSU 70W SWB MDU CE
Full product name	BVP164 LED84/840 PSU 70W SWB MDU CE
Full EOC	871951453473599
Order code	53473599
Material no. (12 NC)	911401884983
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514534735
Numerator – packs per outer box	10
EAN/UPC - Case	8719514534834

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Dimensional drawing

