



Ledinaire floodlights gen3

BVP165 LED120/840 PSU 100W SWB CE

Ledinaire floodlights gen3, 100 W, 12000 lm, 4000 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	-	Standard tilt angle posttop	-
Light source replaceable	No	Standard tilt angle side entry	-
Number of gear units	1 unit	Correlated Color Temperature (Nom)	4000 K
Driver included	Yes	Luminous Efficacy (rated) (Nom)	120 lm/W
Light source engine type	LED	Color rendering index (CRI)	>80
Service tag	No	Flickering value (PstLM)	1
Lighting Technology	LED	Stroboscopic effect value (SVM)	5
CE mark	Yes	Light source color	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	Operating and Electrical	
EU RoHS compliant	Yes	Input Voltage	220 to 240 V
Light Technical		Line Frequency	50 or 60 Hz
Upward light output ratio	0	Initial CLO power consumption	- W
Luminous Flux	12,000 lm	Average CLO power consumption	100 W
		End CLO power consumption	- W

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Inrush current	3.84 A
Inrush time	0.0244 ms
Power Consumption	100 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires
Cable	Cable 2.0 m without plug
Number of products on MCB of 16 A type B	22

Temperature

Ambient temperature range	-25 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	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	220 mm
Overall width	312 mm
Overall height	34.5 mm
Effective projected area	0.045 m²
Dimensions (Height x Width x Depth)	35 x 312 x 220 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 until 4 kV differential mode and 4 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	5 %
50000 h	
Lumen maintenance at median useful life*	80
50000 h	

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BVP165 LED120/840 PSU 100W SWB CE
Full product name	BVP165 LED120/840 PSU 100W SWB CE
Full product code	871951453351699
Order code	911401856483
Material Nr. (12NC)	911401856483
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514533516
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514533752

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Dimensional drawing

