Ledinaire floodlights gen3

BVP164 LED24/840 PSU 20W SWB MDU CE

Ledinaire floodlights gen3, 20 W, 2400 lumen, 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	–
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	2,400 lumen
Standard tilt angle posttop	–
Standard tilt angle side entry	–
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	120 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	5
Light source color	840 neutral 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	20 W

data subject to change

Ledinaire floodlights gen3

End CLO power consumption	– W
Inrush current	1.1 A
Inrush time	0.0074 ms
Power Consumption	20 W
Power Factor (Fraction)	0.8
Connection	Flying leads/wires
Cable	Cable 1.0 m without plug
Number of products on MCB of 16 A type B	96

Temperature

Ambient temperature range	–20 to +40 ℃

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	97 mm
Overall width	172 mm
Overall height	52 mm
Effective projected area	0.008 m²
Dimensions (Height x Width x Depth)	52 x 172 x 97 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 until 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 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	80

Application Conditions

Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable

Product Data

Full product code	871951453479799
Order product name	BVP164 LED24/840 PSU 20W SWB MDU CE
Order code	911401884083
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	24
Material Nr. (12NC)	911401884083
Full product name	BVP164 LED24/840 PSU 20W SWB MDU CE
EAN/UPC – Case	8719514534896
EAN/UPC – Product/Case	8719514534797

Ledinaire floodlights gen3

Dimensional drawing

www.lighting.philips.com

2023, October 6 – data subject to change