SmartBright G3 LED Floodlight

BVP151 LED24/CW PSU 20W SWB G3 GM

SmartBright G3 LED Floodlight, 2400 lm, 20 W, 865 cool daylight, 110°, Safety class I, Mounting bracket

The SmartBright G3 LED Floodlight is the new successor with robust die-cast aluminum housing suitable for general outdoor application. It delivers high efficacy and outstanding energy savings.
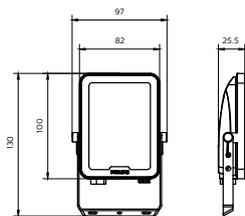
Product data

General Information

Number of gear units	1 unit
Gear	–
Driver included	Yes
Light source engine type	LED
CE mark	–
Warranty period	3 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	–
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	2,400 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	120 lm/W
Color rendering index (CRI)	80

Number of light sources	1
Beam angle of light source	110 degree(s)
Light source color	865 cool daylight
Optic type	Wide beam
Optical cover type	Glass
Luminaire light beam spread	110°

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	1.1 A
Inrush time	0.0074 ms
Power Consumption	20 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires
Cable	Cable 1.0 m without plug 3-pole
Number of products on MCB of 16 A type B	109

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Temperature

Ambient temperature range	–25 to +40 °C

Controls and Dimming

Dimmable	No
Control interface	–

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	Polycarbonate
Optic material	Glass
Optical cover material	Tempered glass
Housing Color	Grey
Mounting device	Mounting bracket
Optical cover finish	Clear
Overall length	130 mm
Overall width	97 mm
Overall height	25.5 mm
Effective projected area	0.008 m²
Dimensions (Height x Width x Depth)	26 x 97 x 130 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
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	(0.31, 0.34) SDCM≤5
Power consumption tolerance	+/-10%

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Not applicable

Product Data

Order product name	BVP151 LED24/CW PSU 20W SWB G3 GM
Full product name	BVP151 LED24/CW PSU 20W SWB G3 GM
Full product code	872016973251399
Order code	911401862286
Material Nr. (12NC)	911401862286
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169732513
Numerator – Packs per outer box	24
EAN/UPC – Case	8720169732599

Dimensional drawing

www.lighting.philips.com

2024, February 15 – data subject to change