Essential SmartBright G5 LED Floodlight

BVP150 LED70/WW PSU 70W SWB G3 GM

Essential SmartBright G5 LED Floodlight, 6580 lm, 70 W, 830 warm white, 110°, Safety class I, Mounting bracket

The Essential SmartBright G5 LED Floodlight is the new successor with robust die-cast aluminum housing suitable for general outdoor application. Lightweight, with a robust die-cast aluminum housing and corrosion-proof coating, it's suitable for general outdoor applications. Plus, with a higher efficacy than the previous generation, it also saves more energy.

Product data

General Information

Number of gear units	1 unit
Gear	–
Driver included	Yes
Light source engine type	LED
CE mark	No
Warranty period	2 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

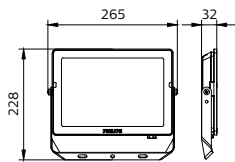|	
Luminous Flux	6,580 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	94 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	110 degree(s)
Light source color	830 warm white
Optic type	Wide beam
Optical cover type	Tempered glass
Luminaire light beam spread	110°

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	8 A
Inrush time	0.03 ms
Power Consumption	70 W
Power Factor (Fraction)	0.9

data subject to change

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Connection	Flying leads/wires
Cable	Cable 0.7 m without plug
Number of products on MCB of 16 A type B	32

Temperature

Ambient temperature range	−40 to +50 °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	Glass
Housing Color	Black
Mounting device	Mounting bracket
Optical cover finish	Clear
Overall length	265 mm
Overall width	228 mm
Overall height	32 mm
Effective projected area	0.044 m²
Dimensions (Height x Width x Depth)	32 x 228 x 265 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]

Protection

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	(0.44, 0.40) SDCM≤6
Power consumption tolerance	+/-10%

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	No

Product Data

Order product name	BVP150 LED70/WW PSU 70W SWB G3 GM
Full product name	BVP150 LED70/WW PSU 70W SWB G3 GM
Full product code	872016952250399
Order code	911401815286
Material Nr. (12NC)	911401815286
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169522503
Numerator – Packs per outer box	12
EAN/UPC – Case	8720169522749

Dimensional drawing

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www.lighting.philips.com

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