



# Essential SmartBright G5 LED Floodlight

## BVP150 LED20/WW PSU 20W SWB G3 GM

Essential SmartBright G5 LED Floodlight, 1880 lm, 20 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                |   | Operating and Electrical        |                |
|------------------------------------|---|---------------------------------|----------------|
| Number of gear units               | 1 unit                                      | Luminous Efficacy (rated) (Nom) | 94 lm/W        |
| Gear                               | -   | Color rendering index (CRI)     | 80             |
| Driver included                    | Yes   | Number of light sources         | 1              |
| Light source engine type           | LED   | Beam angle of light source      | 110 degree(s)  |
| CE mark                            | No  | Light source color              | 830 warm white |
| Warranty period                    | 2 years                                     | Optic type                      | Wide beam      |
| Flammability mark                  | For mounting on normally flammable surfaces | Optical cover type              | Tempered glass |
| ENEC mark                          | -   | Luminaire light beam spread     | 110°           |
| Glow-wire test                     | Temperature 650 °C, duration 30 s           | <b>Operating and Electrical</b> |                |
| EU RoHS compliant                  | Yes   | Input Voltage                   | 220 to 240 V   |
| <b>Light Technical</b>             |   | Line Frequency                  | 50 or 60 Hz    |
| Luminous Flux                      | 1,880 lm                                    | Inrush current                  | 2 A            |
| Correlated Color Temperature (Nom) | 3000 K                                      | Inrush time                     | 0.03 ms        |
|                                    |   | Power Consumption               | 20 W           |
|                                    |   | Power Factor (Fraction)         | 0.9            |

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|  |                          |
|--|--------------------------|
| Connection                                   | Flying leads/wires       |
| Cable  | Cable 0.3 m without plug |
| Number of products on MCB of 16 A type B 104 |                          |

## 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                      | 138 mm              |
| Overall width                       | 122 mm              |
| Overall height                      | 27 mm               |
| Effective projected area            | 0.01 m <sup>2</sup> |
| Dimensions (Height x Width x Depth) | 27 x 122 x 138 mm   |

## Approval and Application

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

|                                    |  |
|------------------------------------|--|
| 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 $\leq$ 6 |
| Power consumption tolerance | +/-10%                     |

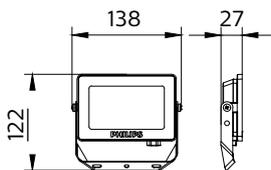
## Application Conditions

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

## Product Data

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Order product name              | BVP150 LED20/WW PSU 20W SWB G3 GM |
| Full product name               | BVP150 LED20/WW PSU 20W SWB G3 GM |
| Full product code               | 872016952253499                   |
| Order code                      | 911401812286                      |
| Material Nr. (12NC)             | 911401812286                      |
| Numerator - Quantity Per Pack   | 1                                 |
| EAN/UPC - Product/Case          | 8720169522534                     |
| Numerator - Packs per outer box | 36                                |
| EAN/UPC - Case                  | 8720169522770                     |

## Dimensional drawing



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