PHILIPS

Lighting

# 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** | - |
| **Light source replaceable** | No |
| **Number of gear units** | Unit |
| **Driver included** | Yes |
| **Light source engine type** | LED |
| **Lighting Technology** | LED |
| **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 | |
|---|---|
| **Upwards light output ratio** | 0 |
| **Luminous Flux** | 12,000 lm |
| **Standard tilt angle post-top** | - |
| **Standard tilt angle side entry** | - |
| **Correlated Colour Temperature** | 4000 K |
| **Luminous efficacy (rated) (nom.)** | 120 lm/W |
| **Colour rendering index (CRI)** | >80 |
| **Flickering value (PstLM)** | 1 |
| **Stroboscopic effect** | 5 |
| **Light source colour** | 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** | 100 W |
| **End CLO power consumption** | - W |
| **Inrush current** | 3.84 A |

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| | |
|---|---|
| **Inrush time** | 0.0244 ms |
| **Power Consumption** | 100 W |
| **Power Factor (Fraction)** | 0.95 |
| **Connection** | Flying leads/cables |
| **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 |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit (On/Off) |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing material** | Aluminium die cast |
| **Reflector material** | Polycarbonate |
| **Optic material** | Glass |
| **Optical cover/lens material** | Tempered glass |
| **Fixation material** | Steel |
| **Housing Colour** | Grey |
| **Mounting device** | Mounting bracket adjustable |
| **Optical cover/lens shape** | Flat |
| **Optical cover/lens 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 up to 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 50,000 h** | 5 % |
| **Lumen maintenance at median useful life* 50,000 h** | 80 |

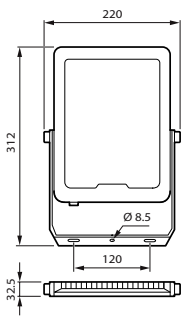
## Application Conditions

| | |
|---|---|
| **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 EOC** | 871951453351699 |
| **Order code** | 53351699 |
| **Material no. (12 NC)** | 911401856483 |
| **SAP numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8719514533516 |
| **Numerator – packs per outer box** | 6 |
| **EAN/UPC - Case** | 8719514533752 |

## Dimensional drawing



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2023, April 15 - data subject to change