PHILIPS

Lighting



# Ledinaire floodlights gen3

## BVP164 LED24/840 PSU 20W SWB CE

Ledinaire floodlights gen3, 20 W, 2400 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** | 1 unit |
| **Driver included** | Yes |
| **Light source engine type** | LED |
| **Service tag** | No |
| **Lighting Technology** | LED |

| Light Technical | |
|---|---|
| **Upward light output ratio** | 0 |
| **Luminous Flux** | 2,400 lm |
| **Standard tilt angle posttop** | - |
| **Standard tilt angle side entry** | - |
| **Luminous Efficacy (rated) (Nom)** | 120 lm/W |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Color rendering index (CRI)** | 80 |

| | |
|---|---|
| **Flickering value (PstLM) - Flickering value as per EN 61000-3-3** | 1 |
| **Stroboscopic effect visibility measure (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 |
| **Total harmonic distortion** | 20 % |

| 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 |
| **End CLO power consumption** | - W |
| **Inrush current** | 1.1 A |
| **Inrush time** | 0.0074 ms |
| **Power Consumption** | 20 W |

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| | |
|---|---|
| **Power Factor (Fraction)** | 0.95 |
| **Connection** | Flying leads/wires |
| **Cable** | Cable 1.0 m without plug |
| **Number of products on MCB of 16 A type B** | 109 |

## 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** | 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** | 130 mm |
| **Overall height** | 25.5 mm |
| **Effective projected area** | 0.008 m² |
| **Dimensions (Height x Width x Depth)** | 26 x 130 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 |
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **Flammability mark** | - |
| **CE mark** | Yes |
| **ENEC mark** | - |
| **Warranty period** | 3 years |
| **Photobiological risk** | Photobiological risk group 1 @200mm to EN62778 |
| **Photobiological risk specification** | 0.2 m |
| **EU RoHS compliant** | Yes |

## 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 |
| **Standard Deviation of Colour Matching (McAdam ellipse)** | SDCM≤5 |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 7.5 % |
| **Lumen maintenance at median useful life* 50000 h** | 80 |

## Application Conditions

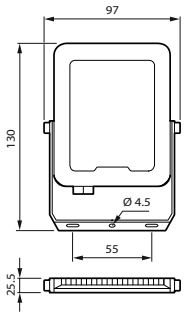
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | Not applicable |

## Product Data

| | |
|---|---|
| **Order product name** | BVP164 LED24/840 PSU 20W SWB CE |
| **Full product name** | BVP164 LED24/840 PSU 20W SWB CE |
| **Full product code** | 871951453355499 |
| **Local code description** | BVP1642484U2WSC |
| **Order code** | 911401852483 |
| **Material Nr. (12NC)** | 911401852483 |
| **Local order code** | BVP1642484U2WSC |
| **Numerator - Quantity Per Pack** | 1 |
| **Net Weight (Piece)** | 0.310 kg |
| **EAN/UPC - Product/Case** | 8719514533554 |
| **Numerator - Packs per outer box** | 24 |
| **EAN/UPC - Case** | 8719514533790 |

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## Dimensional drawing




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