# Ledinaire Floodlights Solar

## BVP085 LED45/840

Ledinaire Floodlights Solar, 32 W, 4480 lm, 4000 K, CRI80, IR remote, Symmetrical, IP65

Install it everywhere, no energy bill anymore. This Ledinaire floodlight range is powered by a solar panel and an integrated battery. A remote control enables you to light it On/Off and choose between different lighting durations and dimming possibilities. The range comes with the Philips high quality levels at a competitive price. Reliable, energy-efficient and affordable – just what you need.

### Warnings and Safety
- The floodlight will not work and the battery will not charge below 0°C in order to protect the battery lifetime
- Optimum battery charging under bright sun exposure
- Disposal at end of life: Battery to be removed by professional

### Product data

| General Information | |
| --- | --- |
| Lamp family code | LED45S [LED Module, system flux 4500 lm] |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Light source engine type | LED system in flux |
| Value ladder | Value |
| Serviceability class | Class C, luminaire without serviceable parts, not serviceable |
| Warranty period | 2 years |

| | |
| --- | --- |
| Sustainability rating | - |

| Light Technical | |
| --- | --- |
| Upward light output ratio | 0 |
| Luminous Flux | 4,480 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 140 lm/W |
| Color rendering index (CRI) | 80 |
| Beam angle of light source | 114 degree(s) |
| Light source color | 840 neutral white |

data subject to change

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| | |
|---|---|
| **Optic type** | Very wide beam |
| **Luminaire light beam spread** | 114° |
| **Optic type outdoor** | Symmetrical |
| **Effective projected area** | 0.09 m² |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 10 V |
| **Line Frequency** | 0 Hz |
| **Inrush current** | 0 A |
| **Inrush time** | 0 ms |
| **Power Consumption** | 32 W |
| **Power Factor (Fraction)** | 1 |
| **Connection** | Waterproof External plug-in connector 3-pole |
| **Cable** | 2×0.75mm² |
| **Number of products on MCB of 16 A type B** | - |
| **Suitable for random switching** | Not applicable |
| **Protection class IEC** | Safety class III |
| **Surge Protection (Common/Differential)** | Surge protection level until 1.5 kV differential mode and 1.5 kV common mode |
| **Feed-through wiring** | - |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |
| **Driver/power unit/transformer** | Driver integrated on LED board (DoB) |
| **Control interface** | IR remote |
| **Constant light output** | No |
| **Maximum dim level** | 10% |
| **Embedded control** | Solar dim profile version 1 |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Aluminum |
| **Reflector material** | Polycarbonate |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Glass |
| **Fixation material** | Steel |
| **Housing Color** | Grey |
| **Mounting device** | Via U Shaped Bracket, Aiming Scale Angle, Universal Installation |
| **Optical cover shape** | Flat |
| **Optical cover finish** | Clear |
| **Reflector Finish** | High-gloss reflector |
| **Overall length** | 320 mm |
| **Overall width** | 342 mm |
| **Overall height** | 63.5 mm |
| **Dimensions (Height x Width x Depth)** | 64 x 342 x 320 mm |
| **Ingress protection code** | IP65 [Dust penetration-protected, jet-proof] |

| | |
|---|---|
| **Mech. impact protection code** | IK06 [1 J] |
| **Explosion hazard class** | - |
| **Optic type outdoor** | Symmetrical |
| **Standard tilt angle posttop** | 27° |
| **Standard tilt angle side entry** | - |
| **Mounting** | Wall |
| **Optical cover type** | Glass |
| **Net Weight (Piece)** | 6.200 kg |

## Emergency Operation

| | |
|---|---|
| **Central Emergency** | No |

## Approval and Application

| | |
|---|---|
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **Flammability mark** | For mounting on normally flammable surfaces |
| **CE mark** | Yes |
| **ENEC mark** | - |
| **Photobiological risk** | Photobiological risk group 0 @200mm to EN62778 |
| **EU RoHS compliant** | Yes |
| **Performance ambient temperature Tq** | 25 °C |
| **Ambient temperature range** | 0 to +50 °C |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.312,0.334) SDCM<=5 |
| **Power consumption tolerance** | +/-5% |
| **Init. Color Rendering Index Tolerance** | -2 |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 7.5 % |
| **Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h** | L65 |
| **Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h** | L70 |

## Product Data

| | |
|---|---|
| **Order product name** | BVP085 LED45/840 |
| **Full product name** | BVP085 LED45/840 |
| **Full product code** | 872016975204799 |
| **Order code** | 911401882202 |
| **Material Nr. (12NC)** | 911401882202 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8720169752047 |
| **Numerator - Packs per outer box** | 3 |
| **EAN/UPC - Case** | 8720169752122 |

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**Dimensional drawing**