# 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 |

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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 | - |
| 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

www.lighting.philips.com

2025, June 12 – data subject to change