PHILIPS

Lighting

# Essential SmartBright LED Solar Flood

## BVC010 LED60/765 Solar Pro

Solar flood light with lithium ferro phosphate battery built in the luminaire, Remote controller and installation accessories included. IP65, plastic housing. Available in 600, 1000, 2000, 3000, 4000, 5000 and 6000 Lumens

### Warnings and Safety

- Install the luminaire in a sunny place that is not shaded by trees, buildings and walls, then the solar panel can receive the maximum sunlight for charging the battery.
- Charge the product under sunlight for at least 8 hours before first time using.
- This luminaire does not need any external electrical connection. It works 100% on solar energy.

### Product data

| General Information | |
|---|---|
| **Driver included** | Yes |
| **Warranty period** | 2 years |

| Light Technical | |
|---|---|
| **Luminous Flux** | 6,000 lm |
| **Correlated Color Temperature (Nom)** | 6500 K |
| **Luminous Efficacy (rated) (Nom)** | 165 lm/W |
| **Color rendering index (CRI)** | 70 |

| Operating and Electrical | |
|---|---|
| **Line Frequency** | - Hz |
| **Battery type** | LiFePO4 |
| **Battery ampere hour** | 16 Ah |
| **Battery voltage** | 3.2 V |
| **Battery charging & discharging cycles** | 1000 |

| | |
|---|---|
| **Panel type** | Mono crystalline |
| **Panel voltage** | 5 V |
| **Panel peak wattage** | 20 W |
| **Charge controller type** | PWM |
| **Cable connection kit** | Included |
| **Connection** | - |
| **Cable** | - |
| **Grid connection type** | Off grid |

| Controls and Dimming | |
|---|---|
| **Dimmable** | Preset Dimming |
| **Configurability** | Not configurable |
| **Control interface** | - |
| **Solar dimming profile** | Preset Dimming |

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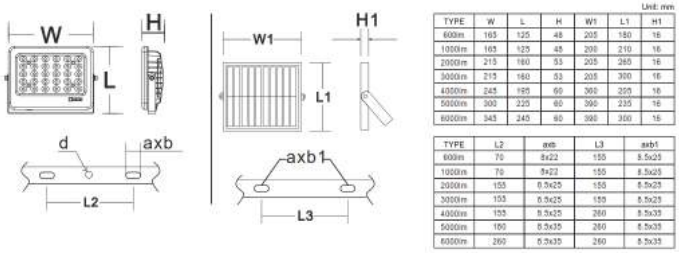
| Mechanical and Housing | |
|---|---|
| **Housing Color** | Grey |
| **Overall length** | 245 mm |
| **Overall width** | 345 mm |
| **Overall height** | 60 mm |
| **Dimensions (Height x Width x Depth)** | 60 x 345 x 245 mm |
| **Material** | Acrylonitrile-butadiene-styrene |
| **Battery location** | Inbuilt luminaire |
| **Ingress protection code** | IP65 [Dust penetration-protected, jet-proof] |
| **Optical cover type** | Polycarbonate |
| **Net Weight (Piece)** | 3.200 kg |

| Approval and Application | |
|---|---|
| **CE mark** | Yes |
| **EU RoHS compliant** | Yes |

| | |
|---|---|
| **Ambient temperature range** | 0 to +45 °C |

| Product Data | |
|---|---|
| **Order product name** | BVC010 LED60/765 Solar Pro |
| **Full product name** | BVC010 LED60/765 Solar Pro |
| **Full product code** | 872110333732099 |
| **Order code** | 911401815103 |
| **Material Nr. (12NC)** | 911401815103 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8721103337320 |
| **Numerator - Packs per outer box** | 5 |
| **EAN/UPC - Case** | 8721103337771 |

## Dimensional drawing




Unit: mm

| TYPE | W | L | H | W1 | L1 | H1 |
|---|---|---|---|---|---|---|
| 600lm | 165 | 125 | 48 | 205 | 180 | 16 |
| 1000lm | 165 | 125 | 48 | 205 | 210 | 16 |
| 2000lm | 215 | 160 | 53 | 205 | 265 | 16 |
| 3000lm | 215 | 160 | 53 | 205 | 300 | 16 |
| 4000lm | 245 | 195 | 60 | 300 | 250 | 16 |
| 5000lm | 300 | 225 | 60 | 390 | 235 | 16 |
| 6000lm | 345 | 245 | 60 | 390 | 300 | 16 |

| TYPE | L2 | axb | L3 | axb1 |
|---|---|---|---|---|
| 600lm | 70 | 8x22 | 155 | 8.5x25 |
| 1000lm | 70 | 8x22 | 155 | 8.5x25 |
| 2000lm | 155 | 8.5x25 | 155 | 8.5x25 |
| 3000lm | 155 | 8.5x25 | 155 | 8.5x25 |
| 4000lm | 155 | 8.5x25 | 260 | 8.5x35 |
| 5000lm | 160 | 8.5x35 | 260 | 8.5x35 |
| 6000lm | 260 | 8.5x35 | 260 | 8.5x35 |

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