



# Essential SmartBright LED Solar Flood

## BVC010 LED50/765 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                   |          | Panel type             |                  |
|---------------------------------------|----------|------------------------|------------------|
| Driver included                       | Yes      | Panel voltage          | 5 V              |
| Warranty period                       | 2 years  | Panel peak wattage     | 15 W             |
| Light Technical                       |          | Charge controller type | PWM              |
| Luminous Flux                         | 5,000 lm | Cable connection kit   | Included         |
| Correlated Color Temperature (Nom)    | 6500 K   | Connection             | -                |
| Luminous Efficacy (rated) (Nom)       | 165 lm/W | Cable                  | -                |
| Color rendering index (CRI)           | 70       | Grid connection type   | Off grid         |
| Operating and Electrical              |          | Controls and Dimming   |                  |
| Line Frequency                        | - Hz     | Dimmable               | Preset Dimming   |
| Battery type                          | LiFePO4  | Configurability        | Not configurable |
| Battery ampere hour                   | 12 Ah    | Control interface      | -                |
| Battery voltage                       | 3.2 V    | Solar dimming profile  | Preset Dimming   |
| Battery charging & discharging cycles | 1000     |                        |                  |

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## Mechanical and Housing

|                                     |  |
|-------------------------------------|--|
| Housing Color                       | Grey   |
| Overall length                      | 225 mm                                       |
| Overall width                       | 300 mm                                       |
| Overall height                      | 60 mm  |
| Dimensions (Height x Width x Depth) | 60 x 300 x 225 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)                  | 2.710 kg                                     |

## Approval and Application

|                   |     |
|-------------------|-----|
| CE mark           | Yes |
| EU RoHS compliant | Yes |

|                                 |                            |
|---------------------------------|----------------------------|
| Ambient temperature range       | 0 to +45 °C                |
| <b>Product Data</b>             |                            |
| Order product name              | BVC010 LED50/765 Solar Pro |
| Full product name               | BVC010 LED50/765 Solar Pro |
| Full product code               | 872110333731399            |
| Order code                      | 911401815003               |
| Material Nr. (12NC)             | 911401815003               |
| Numerator - Quantity Per Pack   | 1                          |
| EAN/UPC - Product/Case          | 8721103337313              |
| Numerator - Packs per outer box | 5                          |
| EAN/UPC - Case                  | 8721103337764              |

## Dimensional drawing

