



# Essential SmartBright Solar Flood

## BVC080 LED6/765

Solar flood light with lithium ferro phosphate battery built in the luminaire, Remote controller and installation accessories included. IP65, plastic housing. Available in 600, 900, 1500, 2500, 3000 and 4000 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      |
| Value ladder                       | Value    |
| Warranty period                    | 1 years  |
| Light Technical                    |          |
| Luminous Flux                      | 600 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                | 4 Ah     |
| Battery voltage                    | 3.2 V    |

| Battery charging & discharging cycles | 500                                          |
|---------------------------------------|----------------------------------------------|
| Panel type                            | Mono crystalline                             |
| Panel voltage                         | 5 V                                          |
| Panel peak wattage                    | 5 W                                          |
| Charge controller type                | PWM                                          |
| Cable                                 | 5m cable for Solar panel connection included |
| Grid connection type                  | Off grid                                     |
| Controls and Dimming                  |                                              |
| Dimmable                              | Preset Dimming                               |
| Configurability                       | Not configurable                             |
| Solar dimming profile                 | Preset Dimming                               |
| Mechanical and Housing                |                                              |
| Housing Color                         | Grey                                         |
| Overall length                        | 150 mm                                       |

Essential SmartBright Solar Flood

|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| Overall width                       | 120 mm                                       |
| Overall height                      | 48 mm                                        |
| Dimensions (Height x Width x Depth) | 48 x 120 x 150 mm                            |
| Material                            | Acrylonitrile-butadiene-styrene              |
| Battery location                    | Inbuilt luminaire                            |
| Ingress protection code             | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code        | IK05 [0.7 J]                                 |
| Optical cover type                  | Polycarbonate                                |
| Net Weight (Piece)                  | 1.040 kg                                     |

Approval and Application

|                           |             |
|---------------------------|-------------|
| CE mark                   | Yes         |
| EU RoHS compliant         | Yes         |
| Ambient temperature range | 0 to +45 °C |

|                                 |                 |
|---------------------------------|-----------------|
| Product Data                    |                 |
| Order product name              | BVC080 LED6/765 |
| Full product name               | BVC080 LED6/765 |
| Full product code               | 692382867664399 |
| Order code                      | 911401882902    |
| Material Nr. (12NC)             | 911401882902    |
| Numerator - Quantity Per Pack   | 1               |
| EAN/UPC - Product/Case          | 6923828676643   |
| Numerator - Packs per outer box | 10              |
| EAN/UPC - Case                  | 6923828676797   |

Dimensional drawing

