



# Essential SmartBright Solar Flood G2

## BVC080 LED45/MCCT G2 Solar

Solar flood light with lithium ferro phosphate battery built in the luminaire, Remote controller and installation accessories included. IP65, plastic housing. Available in 1600, 2500, 3600, and 4500 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                         | 4,500 lm         |
| Correlated Color Temperature (Nom)    | Selectable       |
| Luminous Efficacy (rated) (Nom)       | 160 lm/W         |
| Color rendering index (CRI)           | >70              |
| Operating and Electrical              |                  |
| Battery type                          | LiFePO4          |
| Battery ampere hour                   | 5 Ah             |
| Battery voltage                       | 16 V             |
| Battery charging & discharging cycles | 1000             |
| Panel type                            | Mono crystalline |

| Panel voltage             | 22 V                                         |
|---------------------------|----------------------------------------------|
| Charge controller type    | PWM                                          |
| Charge controller wattage | 28 W                                         |
| Cable connection kit      | Included                                     |
| Cable                     | 5m cable for Solar panel connection included |
| Grid connection type      | Off grid                                     |
| Controls and Dimming      |                                              |
| Dimmable                  | Preset Dimming                               |
| Configurability           | Not configurable                             |
| Control interface         | -                                            |
| Solar dimming profile     | different modes by remote control            |
| Mechanical and Housing    |                                              |
| Housing Color             | Grey                                         |
| Overall length            | 312 mm                                       |

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|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| Overall width                       | 234 mm                                       |
| Overall height                      | 50 mm                                        |
| Dimensions (Height x Width x Depth) | 50 x 234 x 312 mm                            |
| Material                            | Polycarbonate                                |
| Battery location                    | inbuilt luminaire housing                    |
| Ingress protection code             | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code        | IK06 [1 J]                                   |
| Optical cover type                  | Polycarbonate bowl/cover                     |
| Net Weight (Piece)                  | 3.800 kg                                     |

## Approval and Application

|                           |             |
|---------------------------|-------------|
| CE mark                   | Yes         |
| EU RoHS compliant         | Yes         |
| Ambient temperature range | 0 to +50 °C |

## Over Time Performance (IEC Compliant)

|                           |                |
|---------------------------|----------------|
| Median useful life L70B50 | 35,000 hour(s) |
|---------------------------|----------------|

## Product Data

|                                 |                            |
|---------------------------------|----------------------------|
| Order product name              | BVC080 LED45/MCCT G2 Solar |
| Full product name               | BVC080 LED45/MCCT G2 Solar |
| Full product code               | 872110332406199            |
| Order code                      | 911401807503               |
| Material Nr. (12NC)             | 911401807503               |
| Numerator - Quantity Per Pack   | 1                          |
| EAN/UPC - Product/Case          | 8721103324061              |
| Numerator - Packs per outer box | 4                          |
| EAN/UPC - Case                  | 8721103324108              |

## Dimensional drawing

