



# BVC080 MCCT G2 CCT selectable - Solar Flood Light

## Essential SmartBright Solar Flood G2

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.

### Benefits

- Energy efficient and Environmentally friendly: Solar floodlights are powered by the sun, which means they don't rely on electricity from the grid. This reduces your energy bills and saves you money in the long run.
- Easy installation: Solar floodlights are easy to install and require no wiring or electrical work. This makes them a convenient and hassle-free option. All you need to do is mount them in an area that receives plenty of sunlight.
- Convenience: Turn on automatically at dusk and turn off at dawn, so you don't have to worry about manually turning on and off.
- Increased security : Solar floodlights can improve the security of your home or property by providing bright light in dark areas.
- Increased independence: By using solar floodlights, you are less dependent on the power grid and can enjoy greater independence in terms of your energy needs. This can be especially beneficial in remote or off-grid locations.

# Essential SmartBright Solar Flood G2

## Features

- 3 CCTs selectable with LED indicator for battery charging and discharging
- Solar floodlight range of product equivalent to 160W, 250W, 360W and 450W traditional floodlights respectively
- Infra red remote controller to dim luminaires
- Plastic housing
- LiFePO4 battery included inside the luminaire
- High luminous efficacy up-to 160lm/watt to maximize battery performance
- 5m cable between PV panel and Luminaire

## Application

- Amenities
- Parking areas
- Landscapes
- Security
- Architectural lighting

## 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.

## Versions



RTP-of-Essential-SmartBright-Solar-Flood-Light-G2



RTP-of-Essential-SmartBright-Solar-Flood-Light-G2



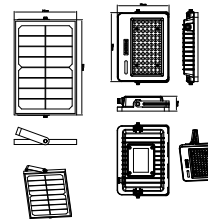
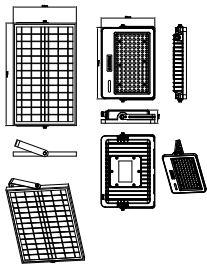
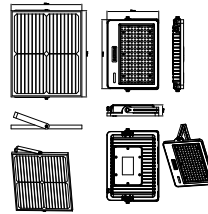
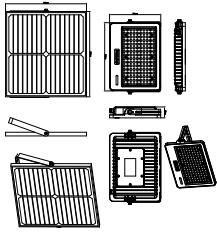
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RTP-of-Essential-SmartBright-Solar-Flood-Light-G2

# Essential SmartBright Solar Flood G2

## Dimensional drawing



### Light Technical

Correlated Color Temperature (Nom)    Selectable

### Operating and Electrical

Battery ampere hour                    5 Ah  
 Battery charging & discharging cycles    1000  
 Battery type                                LiFePO4  
 Cable connection kit                    Included  
 Charge controller type                    PWM  
 Grid connection type                    Off grid  
 Panel type                                  Mono crystalline

### Controls and Dimming

Dimmable                                  Preset Dimming  
 Configurability                            Not configurable  
 Solar dimming profile                    different modes  
                                                           by remote control

### Mechanical and Housing

Battery location                            inbuilt luminaire  
                                                           housing  
 Housing Color                              Grey  
 Ingress protection code                    IP65  
 Overall height                               50 mm

### Light Technical

Order Code	Full Product Name	Color rendering index (CRI)
32405499	BVC080 LED36/MCCT G2 Solar	>70
32406199	BVC080 LED45/MCCT G2 Solar	>70
32404799	BVC080 LED25/MCCT G2 Solar	>70
32403099	BVC080 LED16/MCCT G2 Solar	≥70

## Operating and Electrical

## Essential SmartBright Solar Flood G2

Order Code	Full Product Name	Battery voltage	Charge controller wattage	Panel voltage
32405499	BVC080 LED36/MCCT G2 Solar	12.8 V	22.5 W	18 V
32406199	BVC080 LED45/MCCT G2 Solar	16 V	28 W	22 V

Order Code	Full Product Name	Battery voltage	Charge controller wattage	Panel voltage
32404799	BVC080 LED25/MCCT G2 Solar	9.6 V	15.6 W	14 V
32403099	BVC080 LED16/MCCT G2 Solar	6.4 V	10 W	9 V

### Mechanical and Housing

Order Code	Full Product Name	Overall length	Overall width
32405499	BVC080 LED36/MCCT G2 Solar	312 mm	234 mm
32406199	BVC080 LED45/MCCT G2 Solar	312 mm	234 mm

Order Code	Full Product Name	Overall length	Overall width
32404799	BVC080 LED25/MCCT G2 Solar	272 mm	204 mm
32403099	BVC080 LED16/MCCT G2 Solar	232 mm	174 mm

### Approval and Application

Order Code	Full Product Name	Ambient temperature range
32405499	BVC080 LED36/MCCT G2 Solar	0 °C to 50 °C
32406199	BVC080 LED45/MCCT G2 Solar	0 to +50 °C

Order Code	Full Product Name	Ambient temperature range
32404799	BVC080 LED25/MCCT G2 Solar	0 °C to 50 °C
32403099	BVC080 LED16/MCCT G2 Solar	0 to +50 °C

