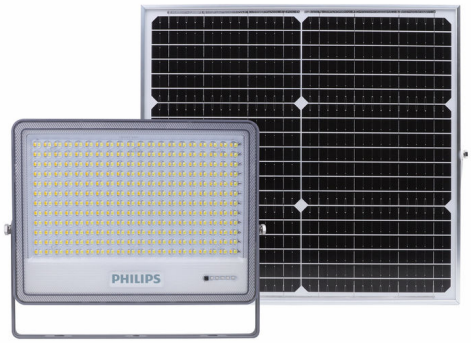


BVC080 MCCT G2 CCT selectable - Solar Flood Light

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

- 3CCTs 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

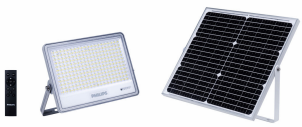
- Amenities
- Parking areas
- Landscapes
- Security
- Architectural lighting

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



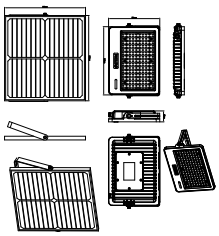
RTP-of-Essential-SmartBright-Solar-Flood-Light-G2

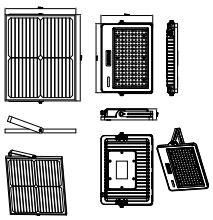
RTP-of-Essential-SmartBright-Solar-Flood-Light-G2

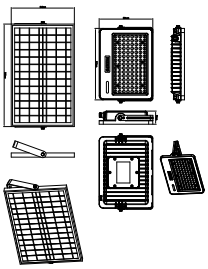
RTP-of-Essential-SmartBright-Solar-Flood-Light-G2

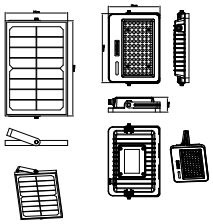
Essential SmartBright Solar Flood G2

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)
911401807403	BVC080 LED36/MCCT G2 Solar	>70
911401807503	BVC080 LED45/MCCT G2 Solar	>70
911401807303	BVC080 LED25/MCCT G2 Solar	>70
911401807203	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
911401807403	BVC080 LED36/MCCT G2 Solar	12.8 V	22.5 W	18 V
911401807503	BVC080 LED45/MCCT G2 Solar	16 V	28 W	22 V

Order Code	Full Product Name	Battery voltage	Charge controller wattage	Panel voltage
911401807303	BVC080 LED25/MCCT G2 Solar	9.6 V	15.6 W	14 V
911401807203	BVC080 LED16/MCCT G2 Solar	6.4 V	10 W	9 V

Mechanical and Housing

Order Code	Full Product Name	Overall length	Overall width
911401807403	BVC080 LED36/MCCT G2 Solar	312 mm	234 mm
911401807503	BVC080 LED45/MCCT G2 Solar	312 mm	234 mm

Order Code	Full Product Name	Overall length	Overall width
911401807303	BVC080 LED25/MCCT G2 Solar	272 mm	204 mm
911401807203	BVC080 LED16/MCCT G2 Solar	232 mm	174 mm

Approval and Application

Order Code	Full Product Name	Ambient temperature range
911401807403	BVC080 LED36/MCCT G2 Solar	0 °C to 50 °C
911401807503	BVC080 LED45/MCCT G2 Solar	0 to +50 °C

Order Code	Full Product Name	Ambient temperature range
911401807303	BVC080 LED25/MCCT G2 Solar	0 °C to 50 °C
911401807203	BVC080 LED16/MCCT G2 Solar	0 to +50 °C

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