Solar Flood Light

Essential SmartBright Solar Flood

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

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.

Features

- Solar floodlight range of product– equivalent to 60W, 90W and 150W, 250W, 300W, 400W tranditional floodlights respectively
- Infra red remote controller to dim luminaires
- Plastic housing
- LiFePO4 battery included inside the luminaire
- High luminous efficacy up-to 165lm/watt to maximize battery performance

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Application

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

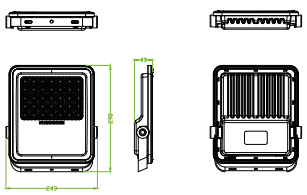
Warnings and Safety

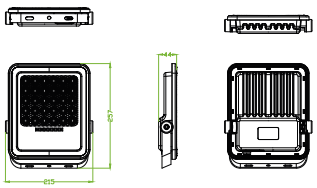
- Install the luminaire in a sunny place that is not shaded by trees, buildings and walls, then the solar panel can receive the maximum sunlight for charging the battery.
- Charge the product under sunlight for at least 8 hours before first time using.
- This luminaire does not need any external electrical connection. It works 100% on solar energy.

Versions

Solar Flood Lights

Dimensional drawing





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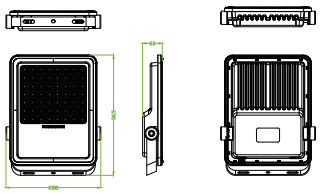
Dimensional drawing



Light Technical	
Color rendering index (CRI)	70
Operating and Electrical	
Battery charging & discharging cycles	500
Battery type	LiFePO4
Battery voltage	3.2 V
Grid connection type	Off grid
Panel type	Mono crystalline
Panel voltage	5 V
Controls and Dimming	
Dimmable	No
Configurability	Not configurable
Solar dimming profile	Pre-configured
Mechanical and Housing	
Battery location	In built
Housing Color	Grey
Ingress protection code	IP65
Approval and Application	
Ambient temperature range	0 °C to 50 °C

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
911401874902	BVC080 LED25/765 Solar	6500 K
911401875202	BVC080 LED25/730 Solar	3000 K
911401875102	BVC080 LED40/765 Solar	6500 K
911401875402	BVC080 LED40/730 Solar	3000 K
911401875002	BVC080 LED30/765 Solar	6500 K
911401875302	BVC080 LED30/730 Solar	3000 K

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage
911401874902	BVC080 LED25/765 Solar	14.3 Ah	15 W
911401875202	BVC080 LED25/730 Solar	14.3 Ah	15 W
911401875102	BVC080 LED40/765 Solar	28.5 Ah	30 W

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage
911401875402	BVC080 LED40/730 Solar	28.5 Ah	30 W
911401875002	BVC080 LED30/765 Solar	19 Ah	20 W
911401875302	BVC080 LED30/730 Solar	19 Ah	20 W

Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401874902	BVC080 LED25/765 Solar	44 mm	257 mm	215 mm
911401875202	BVC080 LED25/730 Solar	44 mm	257 mm	215 mm
911401875102	BVC080 LED40/765 Solar	60 mm	365 mm	288 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401875402	BVC080 LED40/730 Solar	60 mm	365 mm	288 mm
911401875002	BVC080 LED30/765 Solar	49 mm	290 mm	249 mm

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Order Code	Full Product Name	Overall height	Overall length	Overall width
911401875302	BVC080 LED30/730 Solar	49 mm	290 mm	249 mm

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