



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 traditional 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

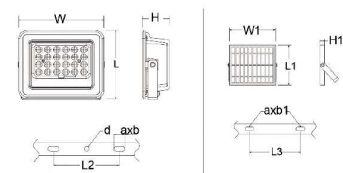
- Install the luminaire in a sunny place that is not shaded by trees, buildings and walls, then the solar panel can receive the maximum sunlight for charging the battery.
- Charge the product under sunlight for at least 8 hours before first time using.
- This luminaire does not need any external electrical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

Versions



Essential SmartBright Solar Flood
Light

Dimensional drawing



TYPE	W	L	H	W1	L1	H1
600m	150	120	48	205	180	17
900m	183	143	48	200	210	17
1500m	220	170	53	205	265	17

TYPE	L2	d	axb	L3	axb1
600m	68	8.5	8°22	155	8,5x25
900m	68	8.5	8°22	155	8,5x25
1500m	155	NA	8.5°25	155	8,5x25

unit: mm

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Light Technical

Color rendering index (CRI)	70
Operating and Electrical	
Battery charging & discharging cycles	500
Battery type	LiFePO4
Battery voltage	3.2 V
Charge controller type	PWM
Grid connection type	Off grid
Panel type	Mono crystalline
Panel voltage	5 V

Controls and Dimming

Dimmable	Preset Dimming
Configurability	Not configurable
Solar dimming profile	Preset Dimming

Mechanical and Housing

Battery location	Inbuilt luminaire
Housing Color	Grey
Ingress protection code	IP65

Approval and Application

Ambient temperature range	0 to +45 °C
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Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
911401883102	BVC080 LED15/765	6500 K
911401883402	BVC080 LED15/730	3000 K
911401882902	BVC080 LED6/765	6500 K
911401883202	BVC080 LED6/730	3000 K
911401883002	BVC080 LED9/765	6500 K
911401883302	BVC080 LED9/730	3000 K

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage
911401883102	BVC080 LED15/765	8 Ah	8 W
911401883402	BVC080 LED15/730	8 Ah	8 W
911401882902	BVC080 LED6/765	4 Ah	5 W

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage
911401883202	BVC080 LED6/730	4 Ah	5 W
911401883002	BVC080 LED9/765	4 Ah	6 W
911401883302	BVC080 LED9/730	4 Ah	6 W

Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401883102	BVC080 LED15/765	53 mm	220 mm	170 mm
911401883402	BVC080 LED15/730	53 mm	220 mm	170 mm
911401882902	BVC080 LED6/765	48 mm	150 mm	120 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401883202	BVC080 LED6/730	48 mm	150 mm	120 mm
911401883002	BVC080 LED9/765	48 mm	183 mm	143 mm
911401883302	BVC080 LED9/730	48 mm	183 mm	143 mm

