



Solar Flood Light BVC010

Essential SmartBright LED 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, 1000, 2000, 3000, 4000, 5000 and 6000 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, 100W, 200W, 300W, 400W, 500W and 600W traditional floodlights respectively
- Infra red remote controller to time set working hours
- Plastic housing
- LiFePO4 battery and controller integrated in the luminaire
- PV panel separately
- High luminous efficacy higher than 165lm/watt to maximize battery performance
- LED indicator to read the battery level
- 5m cable between PV panel and luminaire

Essential SmartBright LED Solar Flood

Application

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

Warnings and Safety

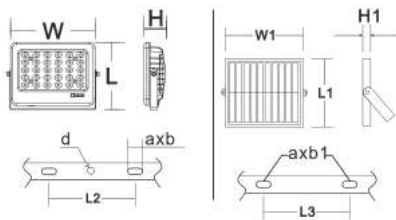
- Install the luminaire in a sunny place that is not shaded by trees, buildings and walls, then the solar panel can receive the maximum sunlight for charging the battery.
- Charge the product under sunlight for at least 8 hours before first time using.
- This luminaire does not need any external electrical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

Versions



Essential SmartBright LED Solar Flood BVC010

Dimensional drawing



TYPE	W	L	H	W1	L1	H1
600mm	165	125	48	205	180	16
1000mm	165	125	48	200	210	16
2000mm	215	180	51	205	280	16
3000mm	215	180	51	205	300	16
4000mm	245	195	60	300	205	16
5000mm	300	225	60	300	235	16
6000mm	343	240	60	300	300	16

TYPE	L2	axb	L3	axb1
600mm	70	8x22	155	8.5x25
1000mm	70	8x22	155	8.5x25
2000mm	155	8.5x25	155	8.5x25
3000mm	155	8.5x25	155	8.5x25
4000mm	195	8.5x25	260	8.5x33
5000mm	190	8.5x33	260	8.5x33
6000mm	260	8.5x33	260	8.5x33

Essential SmartBright LED Solar Flood

Light Technical	
Color rendering index (CRI)	70
Operating and Electrical	
Battery type	LiFePO4
Battery voltage	3.2 V
Cable connection kit	Included
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

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
911401812503	BVC010 LED10/765 Solar	6500 K
911401813903	BVC010 LED10/730 Solar	3000 K
911401814603	BVC010 LED10/765 Solar Pro	6500 K
911401816003	BVC010 LED10/730 Solar Pro	3000 K
911401812803	BVC010 LED40/765 Solar	6500 K
911401814203	BVC010 LED40/730 Solar	3000 K
911401814903	BVC010 LED40/765 Solar Pro	6500 K
911401816303	BVC010 LED40/730 Solar Pro	3000 K
911401812603	BVC010 LED20/765 Solar	6500 K
911401814003	BVC010 LED20/730 Solar	3000 K
911401814703	BVC010 LED20/765 Solar Pro	6500 K
911401816103	BVC010 LED20/730 Solar Pro	3000 K
911401812903	BVC010 LED50/765 Solar	6500 K
911401814303	BVC010 LED50/730 Solar	3000 K
911401815003	BVC010 LED50/765 Solar Pro	6500 K
911401816403	BVC010 LED50/730 Solar Pro	3000 K
911401812703	BVC010 LED30/765 Solar	6500 K
911401814103	BVC010 LED30/730 Solar	3000 K
911401814803	BVC010 LED30/765 Solar Pro	6500 K
911401816203	BVC010 LED30/730 Solar Pro	3000 K
911401812403	BVC010 LED6/765 Solar	6500 K
911401813803	BVC010 LED6/730 Solar	3000 K
911401814503	BVC010 LED6/765 Solar Pro	6500 K
911401815903	BVC010 LED6/730 Solar Pro	3000 K
911401813003	BVC010 LED60/765 Solar	6500 K
911401814403	BVC010 LED60/730 Solar	3000 K
911401815103	BVC010 LED60/765 Solar Pro	6500 K
911401816503	BVC010 LED60/730 Solar Pro	3000 K

Operating and Electrical

Order Code	Full Product Name	Battery charging & discharging		
		Battery ampere hour	cycles	Panel peak wattage
911401812503	BVC010 LED10/765 Solar	4 Ah	500	6 W
911401813903	BVC010 LED10/730 Solar	4 Ah	500	6 W
911401814603	BVC010 LED10/765 Solar Pro	4 Ah	1000	6 W
911401816003	BVC010 LED10/730 Solar Pro	4 Ah	1000	6 W
911401812803	BVC010 LED40/765 Solar	12 Ah	500	12 W
911401814203	BVC010 LED40/730 Solar	12 Ah	500	12 W
911401814903	BVC010 LED40/765 Solar Pro	12 Ah	1000	12 W

Order Code	Full Product Name	Battery charging & discharging		
		Battery ampere hour	cycles	Panel peak wattage
911401816303	BVC010 LED40/730 Solar Pro	12 Ah	1000	12 W
911401812603	BVC010 LED20/765 Solar	5 Ah	500	8 W
911401814003	BVC010 LED20/730 Solar	5 Ah	500	8 W
911401814703	BVC010 LED20/765 Solar Pro	5 Ah	1000	8 W
911401816103	BVC010 LED20/730 Solar Pro	5 Ah	1000	8 W
911401812903	BVC010 LED50/765 Solar	12 Ah	500	15 W
911401814303	BVC010 LED50/730 Solar	12 Ah	500	15 W

Essential SmartBright LED Solar Flood

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Panel peak wattage
911401815003	BVC010 LED50/765 Solar Pro	12 Ah	1000	15 W
911401816403	BVC010 LED50/730 Solar Pro	12 Ah	1000	15 W
911401812703	BVC010 LED30/765 Solar	8 Ah	500	10 W
911401814103	BVC010 LED30/730 Solar	8 Ah	500	10 W
911401814803	BVC010 LED30/765 Solar Pro	8 Ah	1000	10 W
911401816203	BVC010 LED30/730 Solar Pro	8 Ah	1000	10 W
911401812403	BVC010 LED6/765 Solar	4 Ah	500	5 W

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Panel peak wattage
911401813803	BVC010 LED6/730 Solar	4 Ah	500	5 W
911401814503	BVC010 LED6/765 Solar Pro	4 Ah	1000	5 W
911401815903	BVC010 LED6/730 Solar Pro	4 Ah	1000	5 W
911401813003	BVC010 LED60/765 Solar	16 Ah	500	20 W
911401814403	BVC010 LED60/730 Solar	16 Ah	500	20 W
911401815103	BVC010 LED60/765 Solar Pro	16 Ah	1000	20 W
911401816503	BVC010 LED60/730 Solar Pro	16 Ah	1000	20 W

Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401812503	BVC010 LED10/765 Solar	48 mm	125 mm	165 mm
911401813903	BVC010 LED10/730 Solar	48 mm	125 mm	165 mm
911401814603	BVC010 LED10/765 Solar Pro	48 mm	125 mm	165 mm
911401816003	BVC010 LED10/730 Solar Pro	48 mm	125 mm	165 mm
911401812803	BVC010 LED40/765 Solar	60 mm	195 mm	245 mm
911401814203	BVC010 LED40/730 Solar	60 mm	195 mm	245 mm
911401814903	BVC010 LED40/765 Solar Pro	60 mm	195 mm	245 mm
911401816303	BVC010 LED40/730 Solar Pro	60 mm	195 mm	245 mm
911401812603	BVC010 LED20/765 Solar	53 mm	160 mm	215 mm
911401814003	BVC010 LED20/730 Solar	53 mm	160 mm	215 mm
911401814703	BVC010 LED20/765 Solar Pro	53 mm	160 mm	215 mm
911401816103	BVC010 LED20/730 Solar Pro	53 mm	160 mm	215 mm
911401812903	BVC010 LED50/765 Solar	60 mm	225 mm	300 mm
911401814303	BVC010 LED50/730 Solar	60 mm	225 mm	300 mm
911401815003	BVC010 LED50/765 Solar Pro	60 mm	225 mm	300 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401816403	BVC010 LED50/730 Solar Pro	60 mm	225 mm	300 mm
911401812703	BVC010 LED30/765 Solar	53 mm	160 mm	215 mm
911401814103	BVC010 LED30/730 Solar	53 mm	160 mm	215 mm
911401814803	BVC010 LED30/765 Solar Pro	53 mm	160 mm	215 mm
911401816203	BVC010 LED30/730 Solar Pro	53 mm	160 mm	215 mm
911401812403	BVC010 LED6/765 Solar	48 mm	125 mm	165 mm
911401813803	BVC010 LED6/730 Solar	48 mm	125 mm	165 mm
911401814503	BVC010 LED6/765 Solar Pro	48 mm	125 mm	165 mm
911401815903	BVC010 LED6/730 Solar Pro	48 mm	125 mm	165 mm
911401813003	BVC010 LED60/765 Solar	60 mm	245 mm	345 mm
911401814403	BVC010 LED60/730 Solar	60 mm	245 mm	345 mm
911401815103	BVC010 LED60/765 Solar Pro	60 mm	245 mm	345 mm
911401816503	BVC010 LED60/730 Solar Pro	60 mm	245 mm	345 mm

Essential SmartBright LED Solar Flood

