



# 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

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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



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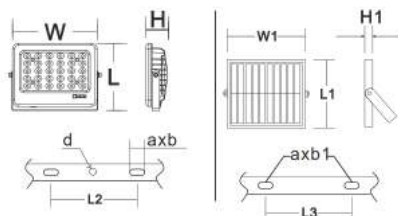


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## Dimensional drawing



TYPE	W	L	H	W1	L1	H1
600mm	163	125	48	205	150	16
1000mm	163	125	48	200	210	16
2000mm	215	180	53	205	265	16
3000mm	215	180	53	205	300	16
4000mm	245	195	60	300	305	16
5000mm	300	220	60	300	235	16
6000mm	345	240	60	300	300	16

TYPE	L2	mm	L3	axb1
600mm	70	8x22	155	8.5x25
1000mm	70	8x22	155	8.5x25
2000mm	105	8.5x25	155	8.5x25
3000mm	105	8.5x25	155	8.5x25
4000mm	155	8.5x25	260	8.5x33
5000mm	190	8.5x25	260	8.5x33
6000mm	260	8.5x25	260	8.5x33

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## Light Technical

Color rendering index (CRI)	70
<b>Operating and Electrical</b>	
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
<b>Controls and Dimming</b>	
Dimmable	Preset Dimming
Configurability	Not configurable
Solar dimming profile	Preset Dimming
<b>Mechanical and Housing</b>	
Battery location	Inbuilt luminaire
Housing Color	Grey
Ingress protection code	IP65
<b>Approval and Application</b>	
Ambient temperature range	0 to +45 °C

## Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
33706199	BVC010 LED10/765 Solar	6500 K
33720799	BVC010 LED10/730 Solar	3000 K
33727699	BVC010 LED10/765 Solar Pro	6500 K
33741299	BVC010 LED10/730 Solar Pro	3000 K
33709299	BVC010 LED40/765 Solar	6500 K
33723899	BVC010 LED40/730 Solar	3000 K
33730699	BVC010 LED40/765 Solar Pro	6500 K
33744399	BVC010 LED40/730 Solar Pro	3000 K
33707899	BVC010 LED20/765 Solar	6500 K
33721499	BVC010 LED20/730 Solar	3000 K
33728399	BVC010 LED20/765 Solar Pro	6500 K
33742999	BVC010 LED20/730 Solar Pro	3000 K
33710899	BVC010 LED50/765 Solar	6500 K
33724599	BVC010 LED50/730 Solar	3000 K
33731399	BVC010 LED50/765 Solar Pro	6500 K
33745099	BVC010 LED50/730 Solar Pro	3000 K
33708599	BVC010 LED30/765 Solar	6500 K
33722199	BVC010 LED30/730 Solar	3000 K
33729099	BVC010 LED30/765 Solar Pro	6500 K
33743699	BVC010 LED30/730 Solar Pro	3000 K
33705499	BVC010 LED6/765 Solar	6500 K
33719199	BVC010 LED6/730 Solar	3000 K
33726999	BVC010 LED6/765 Solar Pro	6500 K
33740599	BVC010 LED6/730 Solar Pro	3000 K
33711599	BVC010 LED60/765 Solar	6500 K
33725299	BVC010 LED60/730 Solar	3000 K
33732099	BVC010 LED60/765 Solar Pro	6500 K
33746799	BVC010 LED60/730 Solar Pro	3000 K

## Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Panel peak wattage
33706199	BVC010 LED10/765 Solar	4 Ah	500	6 W
33720799	BVC010 LED10/730 Solar	4 Ah	500	6 W
33727699	BVC010 LED10/765 Solar Pro	4 Ah	1000	6 W
33741299	BVC010 LED10/730 Solar Pro	4 Ah	1000	6 W
33709299	BVC010 LED40/765 Solar	12 Ah	500	12 W
33723899	BVC010 LED40/730 Solar	12 Ah	500	12 W
33730699	BVC010 LED40/765 Solar Pro	12 Ah	1000	12 W

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Panel peak wattage
33744399	BVC010 LED40/730 Solar Pro	12 Ah	1000	12 W
33707899	BVC010 LED20/765 Solar	5 Ah	500	8 W
33721499	BVC010 LED20/730 Solar	5 Ah	500	8 W
33728399	BVC010 LED20/765 Solar Pro	5 Ah	1000	8 W
33742999	BVC010 LED20/730 Solar Pro	5 Ah	1000	8 W
33710899	BVC010 LED50/765 Solar	12 Ah	500	15 W
33724599	BVC010 LED50/730 Solar	12 Ah	500	15 W

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Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Panel peak wattage
33731399	BVC010 LED50/765 Solar Pro	12 Ah	1000	15 W
33745099	BVC010 LED50/730 Solar Pro	12 Ah	1000	15 W
33708599	BVC010 LED30/765 Solar	8 Ah	500	10 W
33722199	BVC010 LED30/730 Solar	8 Ah	500	10 W
33729099	BVC010 LED30/765 Solar Pro	8 Ah	1000	10 W
33743699	BVC010 LED30/730 Solar Pro	8 Ah	1000	10 W
33705499	BVC010 LED6/765 Solar	4 Ah	500	5 W
33719199	BVC010 LED6/730 Solar	4 Ah	500	5 W

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Panel peak wattage
33726999	BVC010 LED6/765 Solar Pro	4 Ah	1000	5 W
33740599	BVC010 LED6/730 Solar Pro	4 Ah	1000	5 W
33711599	BVC010 LED60/765 Solar	16 Ah	500	20 W
33725299	BVC010 LED60/730 Solar	16 Ah	500	20 W
33732099	BVC010 LED60/765 Solar Pro	16 Ah	1000	20 W
33746799	BVC010 LED60/730 Solar Pro	16 Ah	1000	20 W

### Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
33706199	BVC010 LED10/765 Solar	48 mm	125 mm	165 mm
33720799	BVC010 LED10/730 Solar	48 mm	125 mm	165 mm
33727699	BVC010 LED10/765 Solar Pro	48 mm	125 mm	165 mm
33741299	BVC010 LED10/730 Solar Pro	48 mm	125 mm	165 mm
33709299	BVC010 LED40/765 Solar	60 mm	195 mm	245 mm
33723899	BVC010 LED40/730 Solar	60 mm	195 mm	245 mm
33730699	BVC010 LED40/765 Solar Pro	60 mm	195 mm	245 mm
33744399	BVC010 LED40/730 Solar Pro	60 mm	195 mm	245 mm
33707899	BVC010 LED20/765 Solar	53 mm	160 mm	215 mm
33721499	BVC010 LED20/730 Solar	53 mm	160 mm	215 mm
33728399	BVC010 LED20/765 Solar Pro	53 mm	160 mm	215 mm
33742999	BVC010 LED20/730 Solar Pro	53 mm	160 mm	215 mm
33710899	BVC010 LED50/765 Solar	60 mm	225 mm	300 mm
33724599	BVC010 LED50/730 Solar	60 mm	225 mm	300 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
33731399	BVC010 LED50/765 Solar Pro	60 mm	225 mm	300 mm
33745099	BVC010 LED50/730 Solar Pro	60 mm	225 mm	300 mm
33708599	BVC010 LED30/765 Solar	53 mm	160 mm	215 mm
33722199	BVC010 LED30/730 Solar	53 mm	160 mm	215 mm
33729099	BVC010 LED30/765 Solar Pro	53 mm	160 mm	215 mm
33743699	BVC010 LED30/730 Solar Pro	53 mm	160 mm	215 mm
33705499	BVC010 LED6/765 Solar	48 mm	125 mm	165 mm
33719199	BVC010 LED6/730 Solar	48 mm	125 mm	165 mm
33726999	BVC010 LED6/765 Solar Pro	48 mm	125 mm	165 mm
33740599	BVC010 LED6/730 Solar Pro	48 mm	125 mm	165 mm
33711599	BVC010 LED60/765 Solar	60 mm	245 mm	345 mm
33725299	BVC010 LED60/730 Solar	60 mm	245 mm	345 mm
33732099	BVC010 LED60/765 Solar Pro	60 mm	245 mm	345 mm
33746799	BVC010 LED60/730 Solar Pro	60 mm	245 mm	345 mm

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