



# 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

# Essential SmartBright 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 Solar Flood  
Light

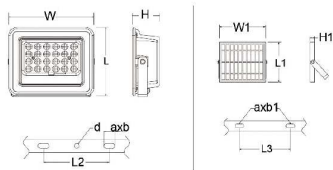


Solar Flood Lights



Essential SmartBright Solar Flood  
Light

## Dimensional drawing

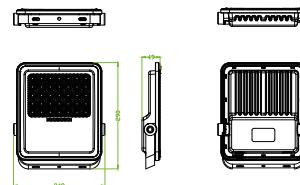


unit: mm

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

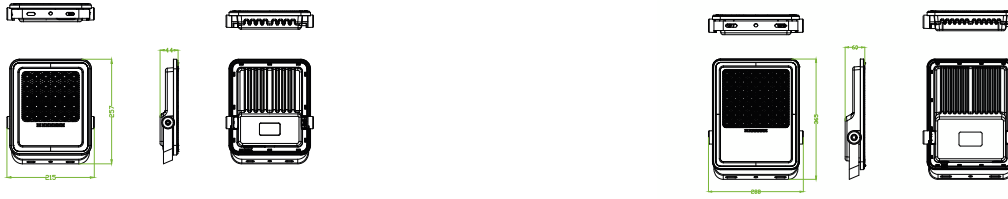
  

TYPE	L2	d	axb	L3	axb1
600lm	68	8.5	8*22	155	8.5x25
900lm	68	8.5	8*22	155	8.5x25
1500lm	155	NA	8.5*25	155	8.5x25



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## Dimensional drawing



### Light Technical

Color rendering index (CRI)	70
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### Operating and Electrical

Battery type	LiFePO4
Battery voltage	3.2 V
Grid connection type	Off grid
Panel type	Mono crystalline
Panel voltage	5 V

### Controls and Dimming

Configurability	Not configurable
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### Mechanical and Housing

Housing Color	Grey
Ingress protection code	IP65

### Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
911401883102	BVC080 LED15/765	6500 K
911401883402	BVC080 LED15/730	3000 K
911401883702	BVC080 LED15/765 Pro	6500 K
911401874902	BVC080 LED25/765 Solar	6500 K
911401875202	BVC080 LED25/730 Solar	3000 K
911401880802	BVC080 LED25/730 Solar Pro	3000 K
911401881102	BVC080 LED25/765 Solar Pro	6500 K
911401875102	BVC080 LED40/765 Solar	6500 K
911401875402	BVC080 LED40/730 Solar	3000 K
911401881002	BVC080 LED40/730 Solar Pro	3000 K
911401881302	BVC080 LED40/765 Solar Pro	6500 K
911401875002	BVC080 LED30/765 Solar	6500 K
911401875302	BVC080 LED30/730 Solar	3000 K
911401880902	BVC080 LED30/730 Solar Pro	3000 K
911401881202	BVC080 LED30/765 Solar Pro	6500 K
911401882902	BVC080 LED6/765	6500 K
911401883202	BVC080 LED6/730	3000 K
911401883502	BVC080 LED6/765 Pro	6500 K
911401883002	BVC080 LED9/765	6500 K
911401883302	BVC080 LED9/730	3000 K
911401883602	BVC080 LED9/765 Pro	6500 K

## Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Charge controller type	Panel peak wattage
911401883102	BVC080 LED15/765	8 Ah	500	PWM	8 W
911401883402	BVC080 LED15/730	8 Ah	500	PWM	8 W
911401883702	BVC080 LED15/765 Pro	8 Ah	1000	PWM	8 W
911401874902	BVC080 LED25/765 Solar	14.3 Ah	500	-	15 W

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Charge controller type	Panel peak wattage
911401875202	BVC080 LED25/730 Solar	14.3 Ah	500	-	15 W
911401880802	BVC080 LED25/730 Solar Pro	14.3 Ah	1000	-	15 W
911401881102	BVC080 LED25/765 Solar Pro	14.3 Ah	1000	-	15 W

## Essential SmartBright Solar Flood

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Charge controller type	Panel peak wattage
911401875102	BVC080 LED40/765 Solar	28.5 Ah	500	-	30 W
911401875402	BVC080 LED40/730 Solar	28.5 Ah	500	-	30 W
911401881002	BVC080 LED40/730 Solar Pro	28.5 Ah	1000	-	30 W
911401881302	BVC080 LED40/765 Solar Pro	28.5 Ah	1000	-	30 W
911401875002	BVC080 LED30/765 Solar	19 Ah	500	-	20 W
911401875302	BVC080 LED30/730 Solar	19 Ah	500	-	20 W
911401880902	BVC080 LED30/730 Solar Pro	19 Ah	1000	-	20 W

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Charge controller type	Panel peak wattage
911401881202	BVC080 LED30/765 Solar Pro	19 Ah	1000	-	20 W
911401882902	BVC080 LED6/765	4 Ah	500	PWM	5 W
911401883202	BVC080 LED6/730	4 Ah	500	PWM	5 W
911401883502	BVC080 LED6/765 Pro	4 Ah	1000	PWM	5 W
911401883002	BVC080 LED9/765	4 Ah	500	PWM	6 W
911401883302	BVC080 LED9/730	4 Ah	500	PWM	6 W
911401883602	BVC080 LED9/765 Pro	4 Ah	1000	PWM	6 W

### Controls and Dimming

Order Code	Full Product Name	Dimmable	Solar dimming profile
911401883102	BVC080 LED15/765	Preset Dimming	Preset Dimming
911401883402	BVC080 LED15/730	Preset Dimming	Preset Dimming
911401883702	BVC080 LED15/765 Pro	Preset Dimming	Preset Dimming
911401874902	BVC080 LED25/765 Solar	No	Pre-configured
911401875202	BVC080 LED25/730 Solar	No	Pre-configured
911401880802	BVC080 LED25/730 Solar Pro	No	Pre-configured
911401881102	BVC080 LED25/765 Solar Pro	No	Pre-configured
911401875102	BVC080 LED40/765 Solar	No	Pre-configured
911401875402	BVC080 LED40/730 Solar	No	Pre-configured
911401881002	BVC080 LED40/730 Solar Pro	No	Pre-configured
911401881302	BVC080 LED40/765 Solar Pro	No	Pre-configured

Order Code	Full Product Name	Dimmable	Solar dimming profile
911401875002	BVC080 LED30/765 Solar	No	Pre-configured
911401875302	BVC080 LED30/730 Solar	No	Pre-configured
911401880902	BVC080 LED30/730 Solar Pro	No	Pre-configured
911401881202	BVC080 LED30/765 Solar Pro	No	Pre-configured
911401882902	BVC080 LED6/765	Preset Dimming	Preset Dimming
911401883202	BVC080 LED6/730	Preset Dimming	Preset Dimming
911401883502	BVC080 LED6/765 Pro	Preset Dimming	Preset Dimming
911401883002	BVC080 LED9/765	Preset Dimming	Preset Dimming
911401883302	BVC080 LED9/730	Preset Dimming	Preset Dimming
911401883602	BVC080 LED9/765 Pro	Preset Dimming	Preset Dimming

### Mechanical and Housing

Order Code	Full Product Name	Battery location	Overall height	Overall length	Overall width
911401883102	BVC080 LED15/765	Inbuilt luminaire	53 mm	220 mm	170 mm
911401883402	BVC080 LED15/730	Inbuilt luminaire	53 mm	220 mm	170 mm
911401883702	BVC080 LED15/765 Pro	Inbuilt luminaire	53 mm	220 mm	170 mm
911401874902	BVC080 LED25/765 Solar	In built	44 mm	257 mm	215 mm

Order Code	Full Product Name	Battery location	Overall height	Overall length	Overall width
911401875202	BVC080 LED25/730 Solar	In built	44 mm	257 mm	215 mm
911401880802	BVC080 LED25/730 Solar Pro	In built	44 mm	257 mm	215 mm
911401881102	BVC080 LED25/765 Solar Pro	In built	44 mm	257 mm	215 mm

## Essential SmartBright Solar Flood

Order Code	Full Product Name	Battery location	Overall height	Overall length	Overall width
911401875102	BVC080 LED40/765 Solar	In built	60 mm	365 mm	288 mm
911401875402	BVC080 LED40/730 Solar	In built	60 mm	365 mm	288 mm
911401881002	BVC080 LED40/730 Solar Pro	In built	60 mm	365 mm	288 mm
911401881302	BVC080 LED40/765 Solar Pro	In built	60 mm	365 mm	288 mm
911401875002	BVC080 LED30/765 Solar	In built	49 mm	290 mm	249 mm
911401875302	BVC080 LED30/730 Solar	In built	49 mm	290 mm	249 mm
911401880902	BVC080 LED30/730 Solar Pro	In built	49 mm	290 mm	249 mm

Order Code	Full Product Name	Battery location	Overall height	Overall length	Overall width
911401881202	BVC080 LED30/765 Solar Pro	In built	49 mm	290 mm	249 mm
911401882902	BVC080 LED6/765 luminaire	Inbuilt	48 mm	150 mm	120 mm
911401883202	BVC080 LED6/730 luminaire	Inbuilt	48 mm	150 mm	120 mm
911401883502	BVC080 LED6/765 Pro luminaire	Inbuilt	48 mm	150 mm	120 mm
911401883002	BVC080 LED9/765 luminaire	Inbuilt	48 mm	183 mm	143 mm
911401883302	BVC080 LED9/730 luminaire	Inbuilt	48 mm	183 mm	143 mm
911401883602	BVC080 LED9/765 Pro luminaire	Inbuilt	48 mm	183 mm	143 mm

### Approval and Application

Order Code	Full Product Name	Ambient temperature range
911401883102	BVC080 LED15/765	0 to +45 °C
911401883402	BVC080 LED15/730	0 to +45 °C
911401883702	BVC080 LED15/765 Pro	0 to +45 °C
911401874902	BVC080 LED25/765 Solar	0 °C to 50 °C
911401875202	BVC080 LED25/730 Solar	0 °C to 50 °C
911401880802	BVC080 LED25/730 Solar Pro	0 °C to 50 °C
911401881102	BVC080 LED25/765 Solar Pro	0 °C to 50 °C
911401875102	BVC080 LED40/765 Solar	0 °C to 50 °C
911401875402	BVC080 LED40/730 Solar	0 °C to 50 °C
911401881002	BVC080 LED40/730 Solar Pro	0 °C to 50 °C
911401881302	BVC080 LED40/765 Solar Pro	0 °C to 50 °C

Order Code	Full Product Name	Ambient temperature range
911401875002	BVC080 LED30/765 Solar	0 °C to 50 °C
911401875302	BVC080 LED30/730 Solar	0 °C to 50 °C
911401880902	BVC080 LED30/730 Solar Pro	0 °C to 50 °C
911401881202	BVC080 LED30/765 Solar Pro	0 °C to 50 °C
911401882902	BVC080 LED6/765	0 to +45 °C
911401883202	BVC080 LED6/730	0 to +45 °C
911401883502	BVC080 LED6/765 Pro	0 to +45 °C
911401883002	BVC080 LED9/765	0 to +45 °C
911401883302	BVC080 LED9/730	0 to +45 °C
911401883602	BVC080 LED9/765 Pro	0 to +45 °C

