



Solar Flood Lighting

Essential SmartBright Solar Flood Light

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 Light

Application

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

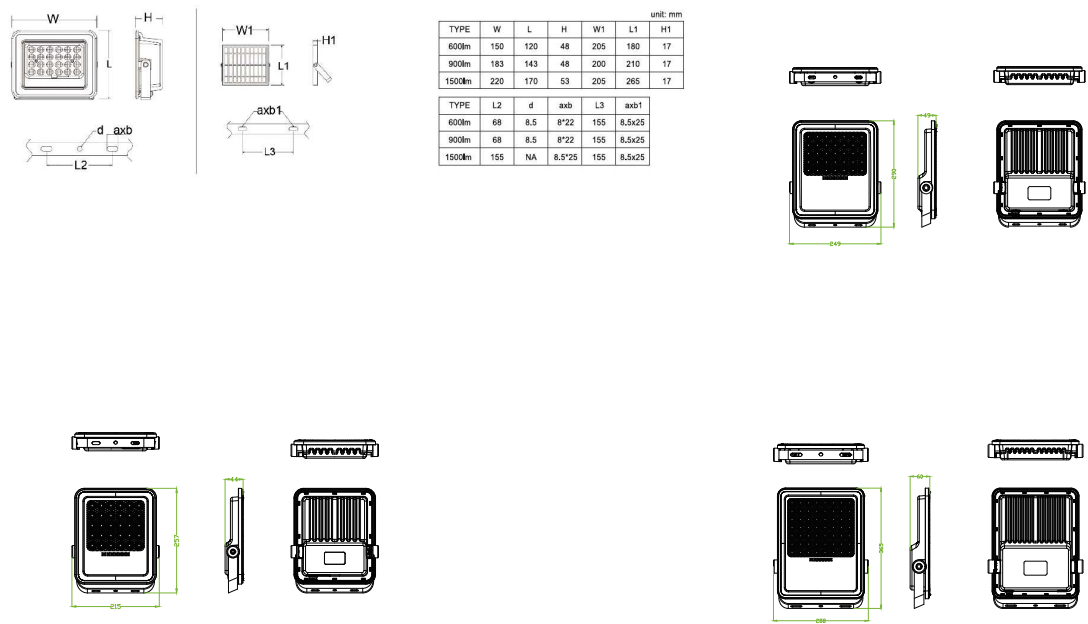
Warnings and Safety

- 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



Dimensional drawing



Essential SmartBright Solar Flood Light

Light Technical	
Color rendering index (CRI)	70
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
Mechanical and Housing	
Housing Color	Grey
Ingress protection code	IP65

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
67666799	BVC080 LED15/765	6500 K
67669899	BVC080 LED15/730	3000 K
67672899	BVC080 LED15/765 Pro	6500 K
67162499	BVC080 LED25/765 Solar	6500 K
67165599	BVC080 LED25/730 Solar	3000 K
75058699	BVC080 LED25/730 Solar Pro	3000 K
75061699	BVC080 LED25/765 Solar Pro	6500 K
67164899	BVC080 LED40/765 Solar	6500 K
67167999	BVC080 LED40/730 Solar	3000 K
75060999	BVC080 LED40/730 Solar Pro	3000 K
75063099	BVC080 LED40/765 Solar Pro	6500 K
67163199	BVC080 LED30/765 Solar	6500 K
67166299	BVC080 LED30/730 Solar	3000 K
75059399	BVC080 LED30/730 Solar Pro	3000 K
75062399	BVC080 LED30/765 Solar Pro	6500 K
67664399	BVC080 LED6/765	6500 K
67667499	BVC080 LED6/730	3000 K
67670499	BVC080 LED6/765 Pro	6500 K
67665099	BVC080 LED9/765	6500 K
67668199	BVC080 LED9/730	3000 K
67671199	BVC080 LED9/765 Pro	6500 K

Operating and Electrical

		Battery	Battery	Charge	Panel peak
Order Code	Full Product Name	ampere hour	charging & discharging cycles	controller type	
67666799	BVC080 LED15/765	8 Ah	500	PWM	8 W
67669899	BVC080 LED15/730	8 Ah	500	PWM	8 W
67672899	BVC080 LED15/765 Pro	8 Ah	1000	PWM	8 W
67162499	BVC080 LED25/765 Solar	14.3 Ah	500	-	15 W
67165599	BVC080 LED25/730 Solar	14.3 Ah	500	-	15 W
75058699	BVC080 LED25/730 Solar Pro	14.3 Ah	1000	-	15 W
75061699	BVC080 LED25/765 Solar Pro	14.3 Ah	1000	-	15 W
67164899	BVC080 LED40/765 Solar	28.5 Ah	500	-	30 W
67167999	BVC080 LED40/730 Solar	28.5 Ah	500	-	30 W
75060999	BVC080 LED40/730 Solar Pro	28.5 Ah	1000	-	30 W

		Battery	Battery	Charge	Panel peak
Order Code	Full Product Name	ampere hour	charging & discharging cycles	controller type	
75063099	BVC080 LED40/765 Solar Pro	28.5 Ah	1000	-	30 W
67163199	BVC080 LED30/765 Solar	19 Ah	500	-	20 W
67166299	BVC080 LED30/730 Solar	19 Ah	500	-	20 W
75059399	BVC080 LED30/730 Solar Pro	19 Ah	1000	-	20 W
75062399	BVC080 LED30/765 Solar Pro	19 Ah	1000	-	20 W
67664399	BVC080 LED6/765	4 Ah	500	PWM	5 W
67667499	BVC080 LED6/730	4 Ah	500	PWM	5 W
67670499	BVC080 LED6/765 Pro	4 Ah	1000	PWM	5 W
67665099	BVC080 LED9/765	4 Ah	500	PWM	6 W

Essential SmartBright Solar Flood Light

Order Code	Full Product	Battery	Battery	Charge	Panel peak
	Name	ampere	charging &	controller	
		hour	discharging	type	wattage
67668199	BVC080	4 Ah	500	PWM	6 W
	LED9/730				

Order Code	Full Product	Battery	Battery	Charge	Panel peak
	Name	ampere	charging &	controller	
		hour	discharging	type	wattage
67671199	BVC080	4 Ah	1000	PWM	6 W
	LED9/765 Pro				

Controls and Dimming

Order Code	Full Product Name	Dimmable	Solar dimming profile
67666799	BVC080 LED15/765	Preset Dimming	Preset Dimming
67669899	BVC080 LED15/730	Preset Dimming	Preset Dimming
67672899	BVC080 LED15/765 Pro	Preset Dimming	Preset Dimming
67162499	BVC080 LED25/765 Solar	No	Pre-configured
67165599	BVC080 LED25/730 Solar	No	Pre-configured
75058699	BVC080 LED25/730 Solar Pro	No	Pre-configured
75061699	BVC080 LED25/765 Solar Pro	No	Pre-configured
67164899	BVC080 LED40/765 Solar	No	Pre-configured
67167999	BVC080 LED40/730 Solar	No	Pre-configured
75060999	BVC080 LED40/730 Solar Pro	No	Pre-configured
75063099	BVC080 LED40/765 Solar Pro	No	Pre-configured

Order Code	Full Product Name	Dimmable	Solar dimming profile
67163199	BVC080 LED30/765 Solar	No	Pre-configured
67166299	BVC080 LED30/730 Solar	No	Pre-configured
75059399	BVC080 LED30/730 Solar Pro	No	Pre-configured
75062399	BVC080 LED30/765 Solar Pro	No	Pre-configured
67664399	BVC080 LED6/765	Preset Dimming	Preset Dimming
67667499	BVC080 LED6/730	Preset Dimming	Preset Dimming
67670499	BVC080 LED6/765 Pro	Preset Dimming	Preset Dimming
67665099	BVC080 LED9/765	Preset Dimming	Preset Dimming
67668199	BVC080 LED9/730	Preset Dimming	Preset Dimming
67671199	BVC080 LED9/765 Pro	Preset Dimming	Preset Dimming

Mechanical and Housing

Order Code	Full Product	Battery	Overall	Overall	Overall
	Name	location	height	length	width
67666799	BVC080	Inbuilt	53 mm	220 mm	170 mm
	LED15/765	luminaire			
67669899	BVC080	Inbuilt	53 mm	220 mm	170 mm
	LED15/730	luminaire			
67672899	BVC080	Inbuilt	53 mm	220 mm	170 mm
	LED15/765 Pro	luminaire			
67162499	BVC080	In built	44 mm	257 mm	215 mm
	LED25/765 Solar				
67165599	BVC080	In built	44 mm	257 mm	215 mm
	LED25/730 Solar				
75058699	BVC080	In built	44 mm	257 mm	215 mm
	LED25/730 Solar				
	Pro				
75061699	BVC080	In built	44 mm	257 mm	215 mm
	LED25/765 Solar				
	Pro				
67164899	BVC080	In built	60 mm	365 mm	288 mm
	LED40/765 Solar				
67167999	BVC080	In built	60 mm	365 mm	288 mm
	LED40/730 Solar				
75060999	BVC080	In built	60 mm	365 mm	288 mm
	LED40/730 Solar				
	Pro				
75063099	BVC080	In built	60 mm	365 mm	288 mm
	LED40/765 Solar				
	Pro				

Order Code	Full Product	Battery	Overall	Overall	Overall
	Name	location	height	length	width
67163199	BVC080	In built	49 mm	290 mm	249 mm
	LED30/765 Solar				
67166299	BVC080	In built	49 mm	290 mm	249 mm
	LED30/730 Solar				
75059399	BVC080	In built	49 mm	290 mm	249 mm
	LED30/730 Solar				
	Pro				
75062399	BVC080	In built	49 mm	290 mm	249 mm
	LED30/765 Solar				
	Pro				
67664399	BVC080	Inbuilt	48 mm	150 mm	120 mm
	LED6/765	luminaire			
67667499	BVC080	Inbuilt	48 mm	150 mm	120 mm
	LED6/730	luminaire			
67670499	BVC080	Inbuilt	48 mm	150 mm	120 mm
	LED6/765 Pro	luminaire			
67665099	BVC080	Inbuilt	48 mm	183 mm	143 mm
	LED9/765	luminaire			
67668199	BVC080	Inbuilt	48 mm	183 mm	143 mm
	LED9/730	luminaire			
67671199	BVC080	Inbuilt	48 mm	183 mm	143 mm
	LED9/765 Pro	luminaire			

Essential SmartBright Solar Flood Light

Approval and Application

Order Code	Full Product Name	Ambient temperature range
67666799	BVC080 LED15/765	0 to +45 °C
67669899	BVC080 LED15/730	0 to +45 °C
67672899	BVC080 LED15/765 Pro	0 to +45 °C
67162499	BVC080 LED25/765 Solar	0 °C to 50 °C
67165599	BVC080 LED25/730 Solar	0 °C to 50 °C
75058699	BVC080 LED25/730 Solar Pro	0 °C to 50 °C
75061699	BVC080 LED25/765 Solar Pro	0 °C to 50 °C
67164899	BVC080 LED40/765 Solar	0 °C to 50 °C
67167999	BVC080 LED40/730 Solar	0 °C to 50 °C
75060999	BVC080 LED40/730 Solar Pro	0 °C to 50 °C
75063099	BVC080 LED40/765 Solar Pro	0 °C to 50 °C

Order Code	Full Product Name	Ambient temperature range
67163199	BVC080 LED30/765 Solar	0 °C to 50 °C
67166299	BVC080 LED30/730 Solar	0 °C to 50 °C
75059399	BVC080 LED30/730 Solar Pro	0 °C to 50 °C
75062399	BVC080 LED30/765 Solar Pro	0 °C to 50 °C
67664399	BVC080 LED6/765	0 to +45 °C
67667499	BVC080 LED6/730	0 to +45 °C
67670499	BVC080 LED6/765 Pro	0 to +45 °C
67665099	BVC080 LED9/765	0 to +45 °C
67668199	BVC080 LED9/730	0 to +45 °C
67671199	BVC080 LED9/765 Pro	0 to +45 °C

