



# Essential SmartBright LED Solar Flood

## BVC010 LED50/730 Solar

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

### 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.

### Product data

General Information		Panel type	
Driver included	Yes	Panel voltage	Mono crystalline
Warranty period	1 years	Panel peak wattage	5 V
Light Technical		Charge controller type	15 W
Luminous Flux	5,000 lm	Cable connection kit	PWM
Correlated Color Temperature (Nom)	3000 K	Connection	Included
Luminous Efficacy (rated) (Nom)	165 lm/W	Cable	-
Color rendering index (CRI)	70	Grid connection type	-
Operating and Electrical		Controls and Dimming	
Line Frequency	- Hz	Dimmable	Off grid
Battery type	LiFePO4	Configurability	Preset Dimming
Battery ampere hour	12 Ah	Control interface	Not configurable
Battery voltage	3.2 V	Solar dimming profile	-
Battery charging & discharging cycles	500		Preset Dimming

# Essential SmartBright LED Solar Flood

## Mechanical and Housing

Housing Color	Grey
Overall length	225 mm
Overall width	300 mm
Overall height	60 mm
Dimensions (Height x Width x Depth)	60 x 300 x 225 mm
Material	Acrylonitrile-butadiene-styrene
Battery location	Inbuilt luminaire
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Optical cover type	Polycarbonate
Net Weight (Piece)	2.710 kg

## Approval and Application

CE mark	Yes
EU RoHS compliant	Yes

Ambient temperature range	0 to +45 °C
<b>Product Data</b>	
Order product name	BVC010 LED50/730 Solar
Full product name	BVC010 LED50/730 Solar
Full product code	872110333724599
Order code	911401814303
Material Nr. (12NC)	911401814303
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103337245
Numerator - Packs per outer box	5
EAN/UPC - Case	8721103337696

## Dimensional drawing

