



Essential SmartBright Solar Flood

BVC080 LED6/740 Pro

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

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	
Driver included	Yes
Value ladder	Value
Warranty period	2 years
Light Technical	
Luminous Flux	600 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	165 lm/W
Color rendering index (CRI)	70
Operating and Electrical	
Line Frequency	- Hz
Battery type	LiFePO4
Battery ampere hour	4 Ah
Battery voltage	3.2 V

Battery charging & discharging cycles	1000
Panel type	Mono crystalline
Panel voltage	5 V
Panel peak wattage	5 W
Charge controller type	PWM
Cable	5m cable for Solar panel connection included
Grid connection type	Off grid
Controls and Dimming	
Dimmable	Preset Dimming
Configurability	Not configurable
Solar dimming profile	Preset Dimming
Mechanical and Housing	
Housing Color	Grey
Overall length	150 mm

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Overall width	120 mm
Overall height	48 mm
Dimensions (Height x Width x Depth)	48 x 120 x 150 mm
Material	Acrylonitrile-butadiene-styrene
Battery location	Inbuilt luminaire
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK05 [0.7 J]
Optical cover type	Polycarbonate
Net Weight (Piece)	1.040 kg

Approval and Application

CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	0 to +45 °C

Product Data	
Order product name	BVC080 LED6/740 Pro
Full product name	BVC080 LED6/740 Pro
Full product code	872016976496599
Order code	911401893302
Material Nr. (12NC)	911401893302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169764965
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169765085

Dimensional drawing

