



Essential SmartBright Solar Flood G2

BVC080 LED16/MCCT G2 Solar

Solar flood light with lithium ferro phosphate battery built in the luminaire, Remote controller and installation accessories included. IP65, plastic housing. Available in 1600, 2500, 3600, and 4500 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 voltage	
Driver included	Yes	Panel voltage	9 V
Warranty period	2 years	Charge controller type	PWM
Light Technical		Charge controller wattage	10 W
Luminous Flux	1,600 lm	Cable connection kit	Included
Correlated Color Temperature (Nom)	Selectable	Cable	5m cable for Solar panel connection included
Luminous Efficacy (rated) (Nom)	160 lm/W	Grid connection type	Off grid
Color rendering index (CRI)	≥70	Controls and Dimming	
Operating and Electrical		Dimmable	Preset Dimming
Battery type	LiFePO4	Configurability	Not configurable
Battery ampere hour	5 Ah	Control interface	-
Battery voltage	6.4 V	Solar dimming profile	different modes by remote control
Battery charging & discharging cycles	1000	Mechanical and Housing	
Panel type	Mono crystalline	Housing Color	Grey
		Overall length	232 mm

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Overall width	174 mm
Overall height	50 mm
Dimensions (Height x Width x Depth)	50 x 174 x 232 mm
Material	Polycarbonate
Battery location	inbuilt luminaire housing
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Optical cover type	Polycarbonate bowl/cover
Net Weight (Piece)	1.990 kg

Approval and Application

CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	0 to +50 °C

Over Time Performance (IEC Compliant)

Median useful life L70B50	35,000 hour(s)
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Product Data

Order product name	BVC080 LED16/MCCT G2 Solar
Full product name	BVC080 LED16/MCCT G2 Solar
Full product code	872110332403099
Order code	32403099
Material Nr. (12NC)	911401807203
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103324030
Numerator - Packs per outer box	4
EAN/UPC - Case	8721103324078

Dimensional drawing

