



Essential SmartBright Solar Flood G2

BVC080 LED45/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			
Driver included	Yes	Panel voltage	22 V
Warranty period	2 years	Charge controller type	PWM
		Charge controller wattage	28 W
		Cable connection kit	Included
		Cable	5m cable for Solar panel connection included
		Grid connection type	Off grid
Light Technical		Controls and Dimming	
Luminous Flux	4,500 lm	Dimmable	Preset Dimming
Correlated Color Temperature (Nom)	Selectable	Configurability	Not configurable
Luminous Efficacy (rated) (Nom)	160 lm/W	Control interface	-
Color rendering index (CRI)	>70	Solar dimming profile	different modes by remote control
Operating and Electrical		Mechanical and Housing	
Battery type	LiFePO4	Housing Color	Grey
Battery ampere hour	5 Ah	Overall length	312 mm
Battery voltage	16 V		
Battery charging & discharging cycles	1000		
Panel type	Mono crystalline		

Essential SmartBright Solar Flood G2

Overall width	234 mm
Overall height	50 mm
Dimensions (Height x Width x Depth)	50 x 234 x 312 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)	3.800 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)
---------------------------	----------------

Product Data

Order product name	BVC080 LED45/MCCT G2 Solar
Full product name	BVC080 LED45/MCCT G2 Solar
Full product code	872110332406199
Order code	911401807503
Material Nr. (12NC)	911401807503
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103324061
Numerator - Packs per outer box	4
EAN/UPC - Case	8721103324108

Dimensional drawing

