PHILIPS

Lighting

Essential SmartBright Solar Flood G2

BVC080 LED36/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
Warranty period	2 years

Light Technical	
Luminous Flux	3,600 lm
Correlated Color Temperature (Nom)	Selectable
Luminous Efficacy (rated) (Nom)	160 lm/W
Color rendering index (CRI)	>70

Operating and Electrical	
Battery type	LiFePO4
Battery ampere hour	5 Ah
Battery voltage	12.8 V
Battery charging & discharging cycles	1000
Panel type	Mono crystalline
Panel voltage	18 V
Charge controller type	PWM
Charge controller wattage	22.5 W
Cable connection kit	Included
Cable	5m cable for Solar panel connection included
Grid connection type	Off grid

Controls and Dimming	
Dimmable	Preset Dimming
Configurability	Not configurable
Control interface	-
Solar dimming profile	different modes by remote control

Mechanical and Housing	
Housing Color	Grey
Overall length	312 mm

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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)	3.310 kg

Approval and Application

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

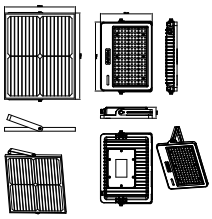
Over Time Performance (IEC Compliant)

Median useful life L70B50	35,000 hour(s)

Product Data

Order product name	BVC080 LED36/MCCT G2 Solar
Full product name	BVC080 LED36/MCCT G2 Solar
Full product code	872110332405499
Order code	32405499
Material Nr. (12NC)	911401807403
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103324054
Numerator - Packs per outer box	4
EAN/UPC - Case	8721103324092

Dimensional drawing



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