Essential SmartBright Solar Flood Light

BVC080 LED15/765

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
Warranty period	1 years

Light Technical

Luminous Flux	1,500 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	160 lm/W
Color rendering index (CRI)	70

Operating and Electrical

Line Frequency	– Hz
Battery type	LiFePO4
Battery ampere hour	8 Ah
Battery voltage	3.2 V
Battery charging & discharging cycles	500

Panel type	Mono crystalline
Panel voltage	5 V
Panel peak wattage	8 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	220 mm
Overall width	170 mm

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Overall height	53 mm
Dimensions (Height x Width x Depth)	53 x 170 x 220 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)	1.490 kg

Approval and Application

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

Product Data

Order product name	BVC080 LED15/765
Full product name	BVC080 LED15/765
Full product code	692382867666799
Order code	911401883102
Material Nr. (12NC)	911401883102
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	6923828676667
Numerator – Packs per outer box	5
EAN/UPC – Case	6923828676810

Dimensional drawing

www.lighting.philips.com

2024, December 30 - data subject to change