Essential SmartBright LED Solar Flood

BVC010 LED50/730 Solar 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, 1000, 2000, 3000, 4000, 5000 and 6000 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	5,000 lm
Correlated Color Temperature (Nom)	3000 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	12 Ah
Battery voltage	3.2 V
Battery charging & discharging cycles	1000

Panel type	Mono crystalline
Panel voltage	5 V
Panel peak wattage	15 W
Charge controller type	PWM
Cable connection kit	Included
Connection	-
Cable	-
Grid connection type	Off grid

Controls and Dimming	
Dimmable	Preset Dimming
Configurability	Not configurable
Control interface	-
Solar dimming profile	Preset Dimming

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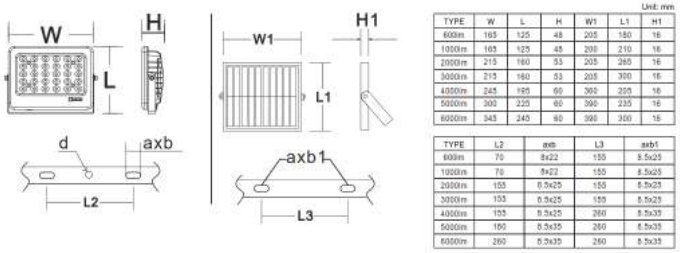
Mechanical and Housing	
Housing Color	Grey
Overall length	225 mm
Overall width	300 mm
Overall height	60 mm
Dimensions (Height x Width x Depth)	60 x 300 x 225 mm
Material	Acrylonitrile-butadiene-styrene
Battery location	Inbuilt luminaire
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Optical cover type	Polycarbonate
Net Weight (Piece)	2.710 kg

Approval and Application	
CE mark	Yes
EU RoHS compliant	Yes

Ambient temperature range	0 to +45 °C

Product Data	
Order product name	BVC010 LED50/730 Solar Pro
Full product name	BVC010 LED50/730 Solar Pro
Full product code	872110333745099
Order code	911401816403
Material Nr. (12NC)	911401816403
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103337450
Numerator - Packs per outer box	5
EAN/UPC - Case	8721103337900

Dimensional drawing



Unit: mm

TYPE	W	L	H	W1	L1	H1
600m	165	125	48	205	180	16
1000m	165	125	48	205	210	16
2000m	215	160	53	205	265	16
3000m	215	160	53	205	300	16
4000m	245	195	60	300	250	16
5000m	300	225	60	390	235	16
6000m	345	245	60	390	300	16

TYPE	L2	axb	L3	axb1
600m	70	8x22	155	8.5x25
1000m	70	8x22	155	8.5x25
2000m	155	8.5x25	155	8.5x25
3000m	155	8.5x25	155	8.5x25
4000m	155	8.5x25	260	8.5x35
5000m	160	8.5x35	260	8.5x35
6000m	260	8.5x35	260	8.5x35

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