Solar Flood Lighting

SmartBright Solar Flood Light

Solar flood lighting with lithium ferro phosphate battery built in the luminaire, separate solar panel, with remote controller and installation accessories. IP65, IK06, Diecasting aluminium luminare housing for sturdiness and long life. Four lumen packs – 1000, 2000, 3000, 4800 lumens

Benefits

- All component included in one box – do it yourself
- Easily configurable as per consumer need.
- Durable and long lasting.
- Solar Flood for wide outdoor applications where electrical connection is not possible/difficult.

Features

- Solar floodlight range of 4 product– equivalent to 100W, 200W, 300W and 500W Halogen floodlights respectively
- Infra red remote controller to dim luminaires
- Aluminum die cast housing
- Polycrystalline silicon Solar panel
- LiFePO4 battery included inside the luminaire.

Application

- Amenity
- Security
- Landscape
- Parking
- Individual homes
- Plaza Square
- Architectural lighting

Warnings and Safety

- This product includes rechargeable batteries which must be adequately charged under sunlight before use.

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Versions

SmartBright Solar Flood Light

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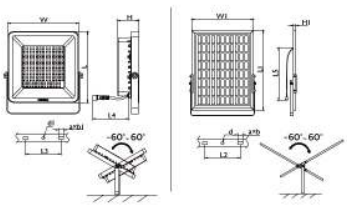
Dimensional drawing



Unit: mm

TYPE	W	L	H	W1	L1	H1	L4
1000lm	200	200	60.4	350	235	15	200
2000lm	200	200	60.4	350	350	15	200
3000lm	300	300	63.5	350	450	15	200
4800lm	300	300	63.5	350	680	15	200

TYPE	L2	d	axb	L3	d1	axb1	L5
1000lm	180	8.5	15x8.5	100	8.5	15x8.5	4800
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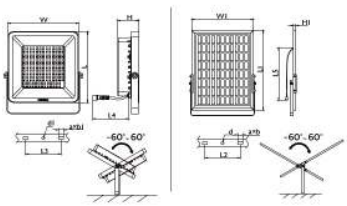
3000lm	180	8.5	15x8.5	180	8.5	15x8.5	4800
4800lm	180	8.5	15x8.5	180	8.5	15x8.5	4800



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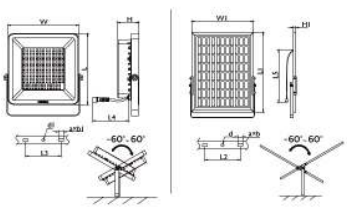

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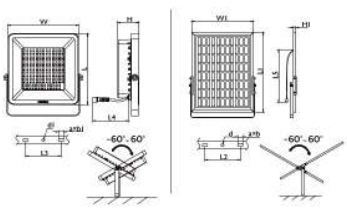

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Light Technical	
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>80

Operating and Electrical	
Battery charging & discharging cycles	1500
Battery type	Lithium Ferro Phosphate
Cable connection kit	Included
Charge controller type	PWM
Grid connection type	Off grid
Panel type	Poly crystalline

Controls and Dimming	
Dimmable	Preset Dimming
Configurability	Configurable
Solar dimming profile	Four preset dimming profile selectable by remote controller

Mechanical and Housing	
Battery location	Inbuilt
Housing Color	Gray
Ingress protection code	IP65

Approval and Application	
Ambient temperature range	0 to +50 °C

Application Conditions	
Ambient temperature range for charging	0 °C to 50 °C
Ambient temperature range for discharging (when light is on)	-10 °C to 60 °C

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Battery voltage	Panel peak wattage	Panel voltage
67763399	BVP080 LED20/757 100 G2	12 Ah	3.2 V	15 W	5 V
67762699	BVP080 LED10/757 060 G2	6 Ah	3.2 V	8 W	5 V
67761999	BVP080 LED48/757 200 G2	9.9 Ah	9.6 V	35 W	15 V
67764099	BVP080 LED30/757 150 G2	6 Ah	9.6 V	20 W	15 V

Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
67763399	BVP080 LED20/757 100 G2	60 mm	228 mm	220 mm
67762699	BVP080 LED10/757 060 G2	60 mm	228 mm	220 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
67761999	BVP080 LED48/757 200 G2	63 mm	332 mm	320 mm
67764099	BVP080 LED30/757 150 G2	63 mm	332 mm	320 mm

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