



# 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 luminaire 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

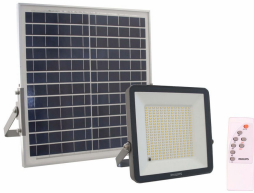
- Amenity
- Security
- Landscape
- Parking
- Individual homes
- Plaza Square
- Architectural lighting

### 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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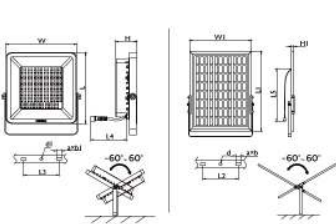


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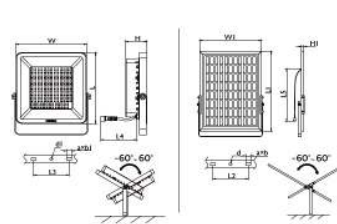
## Dimensional drawing



Unit: mm

| TYPE   | W   | L   | H    | WI  | LI  | HI | 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 |

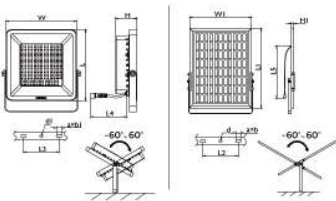
| TYPE   | L2  | d   | axb    | L3  | dI  | axbI   | L5   |
|--------|-----|-----|--------|-----|-----|--------|------|
| 1000lm | 180 | 8.5 | 15x8.5 | 100 | 8.5 | 15x8.5 | 4800 |
| 2000lm | 180 | 8.5 | 15x8.5 | 100 | 8.5 | 15x8.5 | 4800 |
| 3000lm | 180 | 8.5 | 15x8.5 | 180 | 8.5 | 15x8.5 | 4800 |
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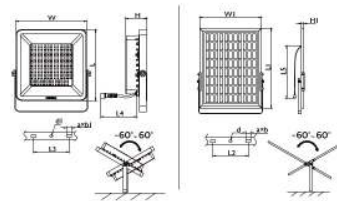
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# SmartBright Solar Flood Light

## 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 | Panel peak      |         |               |
|------------|-------------------------|----------------|-----------------|---------|---------------|
|            |                         | hour           | Battery voltage | 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 | Order Code | Full Product Name       | Overall height | Overall length | Overall width |
|------------|-------------------------|----------------|----------------|---------------|------------|-------------------------|----------------|----------------|---------------|
| 67763399   | BVP080 LED20/757 100 G2 | 60 mm          | 228 mm         | 220 mm        | 67761999   | BVP080 LED48/757 200 G2 | 63 mm          | 332 mm         | 320 mm        |
| 67762699   | BVP080 LED10/757 060 G2 | 60 mm          | 228 mm         | 220 mm        | 67764099   | BVP080 LED30/757 150 G2 | 63 mm          | 332 mm         | 320 mm        |

