



# Essential SmartBright Solar Flood

## BVC080 LED25/730 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, 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              |
| Value ladder                          | Value            |
| Light Technical                       |                  |
| Luminous Flux                         | 2,500 lm         |
| Correlated Color Temperature (Nom)    | 3000 K           |
| Luminous Efficacy (rated) (Nom)       | 140 lm/W         |
| Color rendering index (CRI)           | 70               |
| Operating and Electrical              |                  |
| Battery type                          | LiFePO4          |
| Battery ampere hour                   | 14.3 Ah          |
| Battery voltage                       | 3.2 V            |
| Battery charging & discharging cycles | 1000             |
| Panel type                            | Mono crystalline |

| Panel voltage                       | 5 V                             |
|-------------------------------------|---------------------------------|
| Panel peak wattage                  | 15 W                            |
| Grid connection type                | Off grid                        |
| Controls and Dimming                |                                 |
| Dimmable                            | No                              |
| Configurability                     | Not configurable                |
| Solar dimming profile               | Pre-configured                  |
| Mechanical and Housing              |                                 |
| Housing Color                       | Grey                            |
| Overall length                      | 257 mm                          |
| Overall width                       | 215 mm                          |
| Overall height                      | 44 mm                           |
| Dimensions (Height x Width x Depth) | 44 x 215 x 257 mm               |
| Material                            | Acrylonitrile-butadiene-styrene |

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|                           |                                              |
|---------------------------|----------------------------------------------|
| Battery location          | In built                                     |
| Ingress protection code   | IP65 [Dust penetration-protected, jet-proof] |
| Optical cover type        | Glass                                        |
| Net Weight (Piece)        | 2.830 kg                                     |
| Approval and Application  |                                              |
| Ambient temperature range | 0 °C to 50 °C                                |
| Product Data              |                                              |
| Order product name        | BVC080 LED25/730 Solar Pro                   |

|                                 |                            |
|---------------------------------|----------------------------|
| Full product name               | BVC080 LED25/730 Solar Pro |
| Full product code               | 872016975058699            |
| Order code                      | 911401880802               |
| Material Nr. (12NC)             | 911401880802               |
| Numerator - Quantity Per Pack   | 1                          |
| EAN/UPC - Product/Case          | 8720169750586              |
| Numerator - Packs per outer box | 5                          |
| EAN/UPC - Case                  | 8720169750647              |

## Dimensional drawing

