



# Essential SmartBright All-in-one Solar Pathway

## BRC010 LED20/730 G2

Integrated solar pathway light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Optional wall mounting arm bracket. Microwave based motion sensor for optimizing battery autonomy.

### Warnings and Safety

- Not recommended to install this luminaire higher than 4 meters height.
- 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.
- It works 100% on solar energy. This luminaire does not need any external electrical connection.

### Product data

| General Information                |          | Operating and Electrical              |                  |
|------------------------------------|----------|---------------------------------------|------------------|
| Driver included                    | Yes      | Line Frequency                        | - Hz             |
| Value ladder                       | Value    | Battery type                          | LiFePO4          |
| Warranty period                    | 1 years  | Battery ampere hour                   | 8 Ah             |
|                                    |          | Battery voltage                       | 3.2 V            |
|                                    |          | Battery charging & discharging cycles | 500              |
|                                    |          | Panel type                            | Mono crystalline |
|                                    |          | Panel voltage                         | 4.5 V            |
|                                    |          | Panel peak wattage                    | 8 W              |
|                                    |          | Charge controller type                | PWM              |
|                                    |          | Connection                            | -                |
|                                    |          | Cable                                 | -                |
| Light Technical                    |          |                                       |                  |
| Luminous Flux                      | 2,000 lm |                                       |                  |
| Correlated Color Temperature (Nom) | 3000 K   |                                       |                  |
| Luminous Efficacy (rated) (Nom)    | 150 lm/W |                                       |                  |
| Color rendering index (CRI)        | 70       |                                       |                  |

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|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| Grid connection type                | Off grid                                     |
| Controls and Dimming                |                                              |
| Dimmable                            | Preset Dimming                               |
| Configurability                     | Not configurable                             |
| Control interface                   | -                                            |
| Solar dimming profile               | Preset Dimming                               |
| Mechanical and Housing              |                                              |
| Housing Color                       | Grey                                         |
| Overall length                      | 412 mm                                       |
| Overall width                       | 203 mm                                       |
| Overall height                      | 44.5 mm                                      |
| Dimensions (Height x Width x Depth) | 45 x 203 x 412 mm                            |
| Material                            | Polycarbonate                                |
| Battery location                    | Inbuilt luminaire                            |
| Ingress protection code             | IP65 [Dust penetration-protected, jet-proof] |
| Optical cover type                  | Polycarbonate                                |
| Net Weight (Piece)                  | 1.310 kg                                     |

|                                 |                     |
|---------------------------------|---------------------|
| Approval and Application        |                     |
| CE mark                         | Yes                 |
| EU RoHS compliant               | Yes                 |
| Ambient temperature range       | 0 to +45 °C         |
| Product Data                    |                     |
| Order product name              | BRC010 LED20/730 G2 |
| Full product name               | BRC010 LED20/730 G2 |
| Full product code               | 872016976547499     |
| Order code                      | 911401897002        |
| Material Nr. (12NC)             | 911401897002        |
| Numerator - Quantity Per Pack   | 1                   |
| EAN/UPC - Product/Case          | 8720169765474       |
| Numerator - Packs per outer box | 5                   |
| EAN/UPC - Case                  | 8720169766075       |

Dimensional drawing

