



SmartBright Solar All-in-two Street Light

BRP216 LED40/740 G2 Solar

External high efficiency polysilicon solar panel Die-casting aluminum housing, Professional lighting distribution, 2000, 3000, 4000lumens versions available, Plug-play connector between luminaire and PV panel Inbuilt LiFePO4 battery and MPPT controller.

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 |
| Warranty period | 3 years |

| Light Technical | |
|------------------------------------|----------|
| Luminous Flux | 4,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 180 lm/W |
| Color rendering index (CRI) | 70 |

| Operating and Electrical | |
|--------------------------|-------------------------|
| Battery type | Lithium Ferro Phosphate |
| Battery ampere hour | 100 Ah |

| | |
|----------------------|------------------|
| Battery voltage | 3.2 V |
| Panel type | Poly crystalline |
| Panel voltage | 16 V |
| Panel peak wattage | 40 W |
| Grid connection type | Off grid |

| Controls and Dimming | |
|-----------------------|------------------|
| Dimmable | No |
| Configurability | Not configurable |
| Solar dimming profile | Pre-configured |

| Mechanical and Housing | |
|------------------------|--------|
| Housing Color | Gray |
| Overall length | 583 mm |

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|-------------------------------------|--|
| Overall width | 218 mm |
| Overall height | 96 mm |
| Dimensions (Height x Width x Depth) | 96 x 218 x 583 mm |
| Material | Die-casting Aluminum |
| Battery location | In built |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Optical cover type | Polycarbonate |
| Net Weight (Piece) | 7.900 kg |

Approval and Application

| | |
|---------------------------|---------------|
| Ambient temperature range | 0 °C to 50 °C |
|---------------------------|---------------|

Over Time Performance (IEC Compliant)

| | |
|---------------------------|----------------|
| Median useful life L70B50 | 50,000 hour(s) |
|---------------------------|----------------|

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 |
|--|-----------------|

Product Data

| | |
|---------------------------------|---------------------------|
| Order product name | BRP216 LED40/740 G2 Solar |
| Full product name | BRP216 LED40/740 G2 Solar |
| Full product code | 692382866150200 |
| Order code | 911401845302 |
| Material Nr. (12NC) | 911401845302 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 6923828661502 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 6923828661502 |

Dimensional drawing

