SmartBright Solar All-in-two Street Light

BRP216 LED20/740 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	2,000 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	50 Ah
Battery voltage	3.2 V
Panel type	Poly crystalline
Panel voltage	16 V
Panel peak wattage	20 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)	5.400 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)

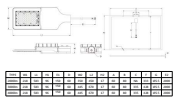
Application Conditions

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 LED20/740 G2 Solar
Full product name	BRP216 LED20/740 G2 Solar
Full product code	692382866148900
Order code	911401845102
Material Nr. (12NC)	911401845102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	6923828661489
Numerator - Packs per outer box	1
EAN/UPC - Case	6923828661489

Dimensional drawing



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