



SmartBright Solar All-in-one Streetlight

BRP010 LED120/757 Solar AIO

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and controller built into the luminaire. Independently tilt-able LED source and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun. Microwave based motion sensor for optimizing battery autonomy.

Warnings and Safety

- The product must be installed in asunny place that is not shaded by trees, buildings, wall, etc. so that the solar panel can receive the maximum sunlight for charging the battery inside the luminaire.

Product data

General Information	
Driver included	Yes
Warranty period	3 years
Light Technical	
Luminous Flux	12,000 lm
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	70
Operating and Electrical	
Line Frequency	- Hz
Battery type	LiFePO4
Battery ampere hour	45 Ah
Battery voltage	12.8 V
Panel type	Mono crystalline
Panel voltage	18 V
Panel peak wattage	100 W

Charge controller type	MPPT
Charge controller wattage	70 W
Cable	-
Grid connection type	Off grid
Controls and Dimming	
Dimmable	Preset Dimming
Configurability	Factory Configurable
Control interface	-
Solar dimming profile	1. Dusk to 2hours: 100% on motion, 20% with no motion.2. Next 3hours: 50% on motion, 10% when no motion.3. Next 7hours: 30% on motion, 10% when no motion.
Mechanical and Housing	
Housing Color	Grey
Overall length	1,157 mm

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Overall width	481 mm
Overall height	235 mm
Dimensions (Height x Width x Depth)	235 x 481 x 1157 mm
Material	Metal
Battery location	inbuilt
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	Polycarbonate
Net Weight (Piece)	22.490 kg

Approval and Application

EU RoHS compliant	Yes
Ambient temperature range	-10 to +50 °C

Over Time Performance (IEC Compliant)

Median useful life L70B50	50,000 hour(s)
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Product Data	
Order product name	BRP010 LED120/757 Solar AIO
Full product name	BRP010 LED120/757 Solar AIO
Full product code	872110330884900
Order code	911401659209
Material Nr. (12NC)	911401659209
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103308849
Numerator - Packs per outer box	1
EAN/UPC - Case	8721103308849

Dimensional drawing

