



# 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 a sunny 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		Charge controller type	
Driver included	Yes	Charge controller wattage	MPPT
Warranty period	3 years	Cable	70 W
Light Technical		Grid connection type	-
Luminous Flux	12,000 lm	Control interface	Off grid
Correlated Color Temperature (Nom)	5700 K	Controls and Dimming	
Color rendering index (CRI)	70	Dimmable	Preset Dimming
Operating and Electrical		Configurability	Factory Configurable
Line Frequency	- Hz	Solar dimming profile	-
Battery type	LiFePO4		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.
Battery ampere hour	45 Ah	Mechanical and Housing	
Battery voltage	12.8 V	Housing Color	Grey
Panel type	Mono crystalline	Overall length	1,157 mm
Panel voltage	18 V		
Panel peak wattage	100 W		

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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

