



# SmartBright Solar All-in-one Streetlight

## BRP010 LED150/757 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	90 W
		Grid connection type	-
Light Technical			Off grid
Luminous Flux	15,000 lm	Controls and Dimming	
Correlated Color Temperature (Nom)	5700 K	Dimmable	Preset Dimming
Color rendering index (CRI)	70	Configurability	Factory Configurable
		Control interface	-
Operating and Electrical		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.
Line Frequency	- Hz	Mechanical and Housing	
Battery type	LiFePO4	Housing Color	Grey
Battery ampere hour	30 Ah	Overall length	1,367 mm
Battery voltage	25.6 V		
Panel type	Mono crystalline		
Panel voltage	36 V		
Panel peak wattage	125 W		

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Overall width	482 mm
Overall height	235 mm
Dimensions (Height x Width x Depth)	235 x 482 x 1367 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)	24.490 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 LED150/757 Solar AIO
Full product name	BRP010 LED150/757 Solar AIO
Full product code	872110330885600
Order code	911401659309
Material Nr. (12NC)	911401659309
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103308856
Numerator - Packs per outer box	1
EAN/UPC - Case	8721103308856

## Dimensional drawing

