



# SmartBright Solar All-in-one Streetlight

## BRP010 LED60/757 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	
Driver included	Yes
Warranty period	3 years

  

Light Technical	
Luminous Flux	6,000 lm
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	70

  

Operating and Electrical	
Line Frequency	- Hz
Battery type	LiFePO4
Battery ampere hour	75 Ah
Battery voltage	3.2 V
Panel type	Mono crystalline
Panel voltage	18 V
Panel peak wattage	50 W

  

Charge controller type	MPPT
Charge controller wattage	35 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	797 mm

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Overall width	430 mm
Overall height	235 mm
Dimensions (Height x Width x Depth)	235 x 430 x 797 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)	14.790 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 LED60/757 Solar AIO
Full product name	BRP010 LED60/757 Solar AIO
Full product code	872110330882500
Order code	911401659009
Material Nr. (12NC)	911401659009
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103308825
Numerator - Packs per outer box	1
EAN/UPC - Case	8721103308825

## Dimensional drawing

