



Solar All-in-one Street light range up-to 15000 Lumens.

SmartBright Solar All-in-one Streetlight

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.

Benefits

- Brings light to areas without access to electric grid
- Environment friendly
- Preserves landscape as no trenching for cabling required
- Saves energy
- Sturdy construction for long life

Features

- High luminous efficacy up-to 170lm/watt to maximize battery performance
- Replaceable Lithium Ferro Phosphate battery for long life and hassle free operations.
- MPPT charge controller for maximum efficiency
- Independently tilt-able LED module and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun
- Factory set dimming profile along with microwave sensor for run time maximization.

Application

- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centers, corporate campuses, plazas

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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.

Versions



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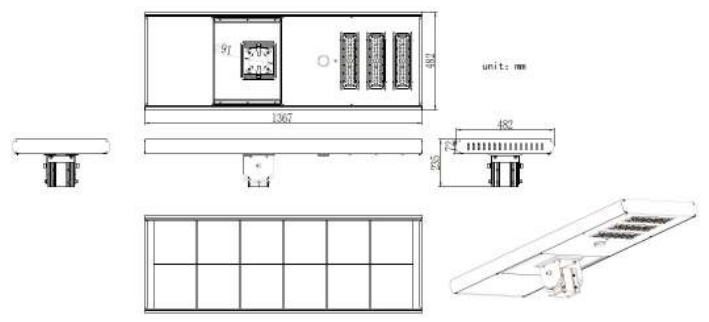
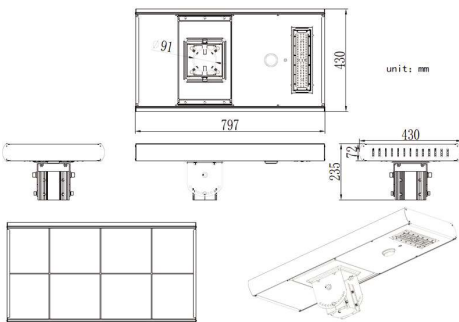
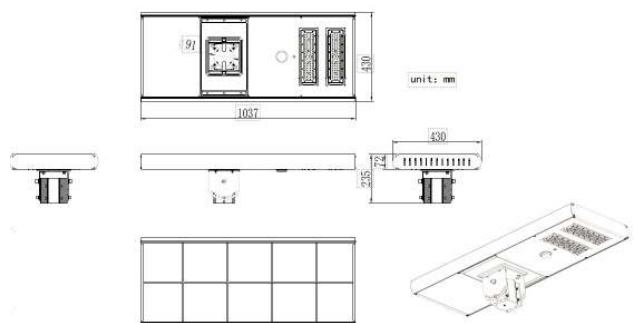
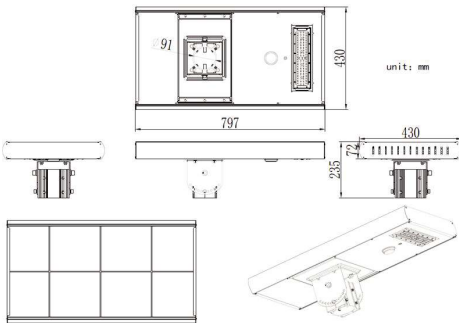


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Dimensional drawing



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Light Technical

Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	70

Operating and Electrical

Battery type	LiFePO4
Charge controller type	MPPT
Grid connection type	Off grid
Panel type	Mono crystalline

Controls and Dimming

Dimmable	Preset Dimming
Configurability	Factory Configurable
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

Battery location	inbuilt
Housing Color	Grey
Ingress protection code	IP65
Overall height	235 mm

Approval and Application

Ambient temperature range	-10 to +50 °C
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Operating and Electrical (1/2)

Order Code	Full Product Name	Battery ampere hour	Battery voltage	Charge controller wattage	Panel peak wattage
30885600	BRP010 LED150/757 Solar AIO	30 Ah	25.6 V	90 W	125 W
30884900	BRP010 LED120/757 Solar AIO	45 Ah	12.8 V	70 W	100 W
30883200	BRP010 LED90/757 Solar AIO	30 Ah	12.8 V	53 W	70 W
30882500	BRP010 LED60/757 Solar AIO	75 Ah	3.2 V	35 W	50 W

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel voltage
30885600	BRP010 LED150/757 Solar AIO	36 V
30884900	BRP010 LED120/757 Solar AIO	18 V

Order Code	Full Product Name	Panel voltage
30883200	BRP010 LED90/757 Solar AIO	18 V
30882500	BRP010 LED60/757 Solar AIO	18 V

Mechanical and Housing

Order Code	Full Product Name	Overall length	Overall width
30885600	BRP010 LED150/757 Solar AIO	1,367 mm	482 mm
30884900	BRP010 LED120/757 Solar AIO	1,157 mm	481 mm

Order Code	Full Product Name	Overall length	Overall width
30883200	BRP010 LED90/757 Solar AIO	1,037 mm	430 mm
30882500	BRP010 LED60/757 Solar AIO	797 mm	430 mm

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