



SmartBright Gen 2.0

SmartBright solar all-in-One India

All in one solar street light

Benefits

- Brings light to areas without access to electric grid
- Preserves landscape as no trenching for cabling required
- Saves energy

Features

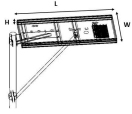
- High luminous efficacy of >140 lm/Watt to maximize battery performance
- MPPT charge controller for maximum efficiency
- Lithium Ferro Phosphate battery for long life and hassle free operations
- Monocrystalline solar panels for higher efficiency
- Configurable dimming profile along with microwave sensor for run time maximization

Application

- Class B & C roads
- Parks, pedestrian path lighting
- Sub-urban and rural areas
- Industries, offices and school campuses
- Periphery lighting

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Dimensional drawing



Product Dimension (mm)			
Type	L	W	H
BRP111 LED20/757 Solar M	570	365	55
BRP111 LED30/757 Solar M	795	365	55
BRP111 LED50/757 Solar M	980	380	55
BRP111 LED85/757 Solar M	1300	525	55
BRP111 LED120/757 Solar M	1720	525	55

*H pole support may change depending on version

Light Technical

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

Operating and Electrical

Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Charge controller type	MPPT
Grid connection type	Off grid
Panel type	Mono crystalline

Controls and Dimming

Dimmable	Yes
Configurability	Configurable
Solar dimming profile	First 2 hrs from dusk 100% with motion, 30% without motion. Next 3 hours 60% with motion, 20% without motion. ; Next 6 hours 30% with motion, 10% without motion. ; Next until dawn 50% with motion, 30% without motion

Mechanical and Housing

Battery location	Inbuilt
Ingress protection code	IP65
Overall height	145 mm

Approval and Application

Ambient temperature range	0 to +45 °C
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Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Battery voltage	Panel peak wattage
919415920136	BRP111 LED20/757 Solar M	12 Ah	12.8 V	30 W
919415920137	BRP111 LED30/757 Solar M	18 Ah	12.8 V	50 W
919415920138	BRP111 LED50/757 Solar M	24 Ah	12.8 V	60 W
919415920139	BRP111 LED85/757 Solar M	42 Ah	12.8 V	100 W
919415920140	BRP111 LED120/757 Solar M	30 Ah	25.6 V	120 W

Mechanical and Housing

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Order Code	Full Product Name	Overall length	Overall width
919415920136	BRP111 LED20/757 Solar M	600 mm	365 mm
919415920137	BRP111 LED30/757 Solar M	825 mm	365 mm
919415920138	BRP111 LED50/757 Solar M	1,015 mm	380 mm

Order Code	Full Product Name	Overall length	Overall width
919415920139	BRP111 LED85/757 Solar M	1,090 mm	525 mm
919415920140	BRP111 LED120/757 Solar M	1,300 mm	525 mm

