



Smart Bright Solar

BRP049 LED 21 CW MR S2 12V LFP DIM Solar

SmartBright Solar is a sleek elegant & finless design innovative streetlight with best in class energy efficiency, inbuilt MPPT charge controller, High efficacy driver and LED platform to ensure higher energy saving and reliable operation over committed lifetime. SmartBright Solar Luminaire is a high pressure die-cast IK 08 rated housing, ensuring high strength and safety on the pole. The solid die-cast aluminum also has excellent heat dissipation, extending the life of the components inside. The multiple lumen packs and optics makes it optimum for the B2 category of Roads.

Product data

General Information	
Driver included	Yes
CE mark	CE mark
Warranty period	3 years
Light Technical	
Luminous Flux	2,100 lm
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>70
Optical cover type	Polycarbonate
Operating and Electrical	
Charge controller type	MPPT
Charge controller wattage	19 W
Cable connection kit	Included
Cable	Cord 0.5 m 4 core for battery and panel, without connectors and additional 1.0 m cable for solar panel included in the box

Temperature	
Ambient temperature range	0 to +35 °C
Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable
Mechanical and Housing	
Overall length	316 mm
Overall width	107 mm
Overall height	60 mm
Dimensions (Height x Width x Depth)	60 x 107 x 316 mm
Material	Pressure die cast aluminum
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

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Over Time Performance (IEC Compliant)

Median useful life L70B50 50.000 hour(s)

Application Conditions

Solar dimming profile Dim to 50% after 6 Hours

Grid connection type Off grid

Battery location Outside Luminaire

Product Data

Order product name BRP049 LED 21 CW MR S2 12V LFP DIM Solar

Full product name BRP049 LED 21 CW MR S2 12V LFP DIM Solar

Order code 919515812183

Material Nr. (12NC) 919515812183

Numerator - Quantity Per Pack 1

Numerator - Packs per outer box 1

Dimensional drawing

