



Smart Bright Solar

BRP049 LED 21 CW MR S2 12V GEL DIM Sola

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
Light Technical	
Luminous Flux	2,100 lumen
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>70
Optical cover/lens 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]
CE mark	CE mark
Warranty period	3 years
Over Time Performance (IEC Compliant)	
Median useful life L70B50	50,000 hour(s)

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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 GEL DIM Sola
Order code	919515812173

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material number (12NC)	919515812173
Full product name	BRP049 LED 21 CW MR S2 12V GEL DIM Sola



Dimensional drawing

