



# Smart Bright Solar

## BRP049 LED 18 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		Controls and Dimming	
Driver included	Yes	Dimmable	Yes
		Configurability	Factory Configurable
Light Technical		Mechanical and Housing	
Luminous Flux	1,800 lumen	Overall length	316 mm
Correlated Color Temperature (Nom)	5700 K	Overall width	107 mm
Color rendering index (CRI)	>70	Overall height	60 mm
Optical cover/lens type	Polycarbonate	Dimensions (Height x Width x Depth)	60 x 107 x 316 mm
		Material	Pressure die cast aluminum
Operating and Electrical		Approval and Application	
Charge controller type	MPPT	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Charge controller wattage	15 W	Mech. impact protection code	IK08 [5 J vandal-protected]
Cable connection kit	Included	CE mark	CE mark
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	Warranty period	3 years
Temperature		Over Time Performance (IEC Compliant)	
Ambient temperature range	0 to +35 °C	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 18 CW MR S2 12V LFP DIM Solar
Order code	919515812181

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material number (12NC)	919515812181
Full product name	BRP049 LED 18 CW MR S2 12V LFP DIM Solar



## Dimensional drawing

