



SunStay

BRP710 LED45 WW MR S1 12V LFP Solar

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Pressure die cast aluminium for sturdiness and long life. Specially designed pole mounting bracket allows different tilt angles, lateral and pole top mounting.

Product data

General Information		Temperature		
Driver included	Yes	Ambient temperature range	0 to +35 °C	
Light Technical		Controls and Dimming		
Luminous Flux	4,500 lm	Dimmable	Yes	
Correlated Color Temperature (Nom)	3000 K	Configurability	Factory Configurable	
Luminous Efficacy (rated) (Nom)	175 lm/W			
Color rendering index (CRI)	>70	Mechanical and Housing		
Light source color	Warm white	Housing Material	Aluminium pressure die cast	
Optical cover type	UV stabilized Polycarbonate cover	Housing Color	Gray	
		Overall length	757 mm	
Operating and Electrical		Overall width	511 mm	
Battery type	Lithium Ferro Phosphate	Overall height	188 mm	
Battery ampere hour	30 Ah	Dimensions (Height x Width x Depth)	188 x 511 x 757 mm	
Battery voltage	12.8 V			
Battery charging & discharging cycles	2000	Approval and Application		
Panel type	Mono crystalline	Ingress protection code	IP65 [Dust penetration-protected, jet-proof	
Panel voltage	17 Vmp, 21 Voc V	Mech. impact protection code	IK08 [5 J vandal-protected]	
Panel peak wattage	60 W			
Charge controller type	MPPT	Over Time Performance (IEC Com	Over Time Performance (IEC Compliant)	
		Median useful life L70B50	50,000 hour(s)	

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Application Conditions		
Ambient temperature range for charging	0 °C to +45 °C	
Ambient temperature range for	-20 °C to +35 °C	
discharging (when light is on)		
Solar dimming profile	30% Dusk to dawn, 100% on motion.	
	(Sensor disabled for 5 Hrs, after 5 Hrs)	
Grid connection type	Off grid	
Battery location	Inside Luminaire	
Product Data		
Order product name	BRP710 LED45 WW MR S1 12V LFP Solar	

Full product name	BRP710 LED45 WW MR S1 12V LFP Solar	
Full product code	871016336233500	
Order code	919515813568	
Material Nr. (12NC)	919515813568	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8710163362335	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8710163362335	

Dimensional drawing



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