



SunStay

BRP710 LED45 CW MR S1 12V LFP Solar IN

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	
Driver included	Yes
Light Technical	
Luminous Flux	4,500 lm
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	175 lm/W
Color rendering index (CRI)	>70
Light source color	Cool white
Optical cover type	UV stabilized Polycarbonate cover
Operating and Electrical	
Battery type	Lithium Ferro Phosphate
Battery ampere hour	30 Ah
Battery voltage	12.8 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	17 Vmp, 21 Voc V
Panel peak wattage	60 W
Charge controller type	MPPT

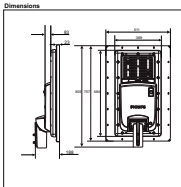
Temperature	
Ambient temperature range	0 to +35 °C
Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable
Mechanical and Housing	
Housing Material	Aluminium pressure die cast
Housing Color	Gray
Overall length	757 mm
Overall width	511 mm
Overall height	188 mm
Dimensions (Height x Width x Depth)	188 x 511 x 757 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Over Time Performance (IEC Compliant)	
Median useful life L70B50	50,000 hour(s)

Application Conditions	
Ambient temperature range for charging	0 °C to +45 °C
Ambient temperature range for discharging (when light is on)	-20 °C to +35 °C
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 CW MR S1 12V LFP Solar IN

Full product name	BRP710 LED45 CW MR S1 12V LFP Solar IN
Order code	919515812830
Material Nr. (12NC)	919515812830
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163354422
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163354675

Dimensional drawing



PHILIPS

