



# 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	
Driver included	Yes
Light Technical	
Luminous Flux	4,500 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	175 lm/W
Color rendering index (CRI)	>70
Light source color	Warm 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

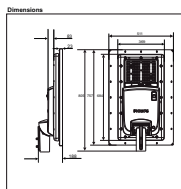
<b>Ambient temperature range for charging</b>	0 °C to +45 °C
<b>Ambient temperature range for discharging (when light is on)</b>	-20 °C to +35 °C
<b>Solar dimming profile</b>	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)
<b>Grid connection type</b>	Off grid
<b>Battery location</b>	Inside Luminaire

## Product Data

Order product name	BRP710 LED45 WW MR S1 12V LFP Solar
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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

**PHILIPS**