



# **SunStay**

## BRP710 LED45 NW 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
Light Technical		Controls and Dimm
Luminous Flux	4,500 lm	Dimmable
Correlated Color Temperature (Nom)	4000 K	Configurability
Luminous Efficacy (rated) (Nom)	175 lm/W	
Color rendering index (CRI)	>70	Mechanical and Ho
Light source color	Neutral white	Housing Material
Optical cover type	UV stabilized Polycarbonate cover	Housing Color
		Overall length
Operating and Electrical		Overall width
Battery type	Lithium Ferro Phosphate	Overall height
Battery ampere hour	30 Ah	Dimensions (Height x
Battery voltage	12.8 V	
Battery charging & discharging cycles	2000	Approval and Appl
Panel type	Mono crystalline	Ingress protection cod
Panel voltage	17 Vmp, 21 Voc V	Mech. impact protection
Panel peak wattage	60 W	
Charge controller type	MPPT	Over Time Perform
		Median useful life L70

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)	

### SunStay

Application Conditions	
Ambient temperature range for charging	0 °C to +45 °C
Ambient temperature range for	-20 ℃ to +35 ℃
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 NW MR S1 12V LFP Solar

Full product name	BRP710 LED45 NW MR S1 12V LFP Solar
Full product code	871016336234200
Order code	919515813569
Material Nr. (12NC)	919515813569
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	190096184293
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163362342

#### **Dimensional drawing**



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