



# SunStay

## BRP710 LED45 NW MR HY FDIM50 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

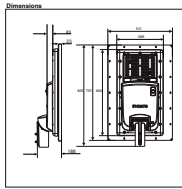
<b>General Information</b>		<b>Cable</b>	
Driver included	Yes	Cable	Cable 0.8m, 2-core, 1.5mm <sup>2</sup>
<b>Light Technical</b>		<b>Temperature</b>	
Luminous Flux	4,500 lm	Ambient temperature range	0 to +35 °C
Luminous Efficacy (rated) (Nom)	175 lm/W	<b>Controls and Dimming</b>	
Correlated Color Temperature (Nom)	4000 K	Configurability	Factory Configurable
Color rendering index (CRI)	>70	Dimmable	Yes
Optical cover type	UV stabilized Polycarbonate cover	<b>Mechanical and Housing</b>	
<b>Operating and Electrical</b>		Housing Color	RAL 7011
Input Voltage	240 V	Overall length	757 mm
Line Frequency	50 Hz	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	Material	Pressure die cast aluminum
Battery charging & discharging cycles	2000	<b>Approval and Application</b>	
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	Surge Protection (Common/Differential)	Surge protection level until 4 kV
Charge controller type	MPPT	CE mark	CE mark
Charge controller wattage	25 W		
Cable connection kit	Included		

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Warranty period	3 years
EU RoHS compliant	Yes
<b>Over Time Performance (IEC Compliant)</b>	
Median useful life L70B50	50,000 hour(s)
<b>Application Conditions</b>	
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	5hrs 100% + 7 hrs 50%
Grid connection type	Hybrid
Battery location	Inside Luminaire

<b>Product Data</b>	
Order product name	BRP710 LED45 NW MR HY FDIM50 SOLAR
Full product name	BRP710 LED45 NW MR HY FDIM50 SOLAR
Full product code	871951450191100
Order code	919515813985
Material Nr. (12NC)	919515813985
Numerator - Quantity Per Pack	1
Net Weight (Piece)	19.500 kg
EAN/UPC - Product/Case	8719514501911
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514501911

## Dimensional drawing



**PHILIPS**

