



# SunStay - All In One solar street light

# SunStay

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.

#### Benefits

- $\cdot$  Brings light to areas without access to electric grid
- Saves energy
- Preserves landscape as no trenching for cabling required
- $\cdot$  Environment friendly
- Sturdy construction for long life

#### Features

- High luminous efficacy of 175 lm/Watt to maximize battery performance
- Replaceable Lithium Ferro Phosphate battery for long life and hassle free operations.
- MPPT charge controller for maximum efficiency
- Pressure die-cast aluminum housing for sturdiness and excellent heat dissipation.
- Specially designed pole mounting bracket with adjustable tilt angles of 0 to 15 degrees, which can also be used in post top & lateral mounting positions
- Factory set dimming profile along with PIR sensor for run time maximization.
- Self diagnostic feature along with battery charging, discharging & cut-off LED Indicators

## SunStay

#### Application

- Class A & B roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centers, corporate campuses, plazas

#### Versions

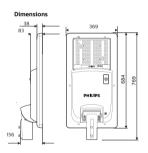


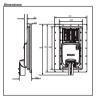


standard shot sunstay

SunStay 4500 Lumen

#### Dimensional drawing





PHILIPS

## SunStay

Light Technical			
Correlated Color Temperature (Nom)	3000 K		
Color rendering index (CRI)	>70		
Operating and Electrical			
Battery charging & discharging cycles	2000		
Battery type	Lithium Ferro		
	Phosphate		
Battery voltage	12.8 V		
Charge controller type	MPPT		
Grid connection type	Off grid		
Panel type	Mono crystalline		
Panel voltage	17 Vmp, 21 Voc V		
Controls and Dimming			
Dimmable	Yes		
Configurability	Factory		
	Configurable		
Mechanical and Housing			
Battery location	Inside Luminaire		
Housing Color	Gray		
Ingress protection code	IP65		
Approval and Application			
Ambient temperature range	0 to +35 °C		
Application Conditions			
Ambient temperature range for	0 °C to +45 °C		
charging			
Ambient temperature range for	-20 °C to +35 °C		
discharging (when light is on)			

#### **Operating and Electrical**

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage		
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	35 W		
919515813570	BRP710 LED45 WW MR S1 12V FD30 Solar	30 Ah	60 W		

## Controls and Dimming

Order Code	Full Product Name	Solar dimming profile			
919515812971	BRP710 LED30 WW MR 12V LFP	30% Dusk to dawn, 100% on motion.			
	AIO Solar	( Sensor disabled for 5 Hrs, after 5 Hrs)			

Order Code	Full Product Name	Solar dimming profile
919515813570	BRP710 LED45 WW MR S1 12V	5hrs 100% + 7 hrs 30%
	FD30 Solar	

#### Mechanical and Housing

		Overall	Overall	Overall			Overall	Overall	Overall
Order Code	Full Product Name	height	length	width	Order Code	Full Product Name	height	length	width
919515812971	BRP710 LED30 WW MR 12V	156 mm	684 mm	369 mm	919515813570	BRP710 LED45 WW MR S1	188 mm	757 mm	511 mm
	LFP AIO Solar					12V FD30 Solar			

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