



# 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**

- Brings light to areas without access to electric grid
- Saves energy
- Preserves landscape as no trenching for cabling required
- 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

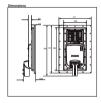




SunStay Hybrid

SunStay 4500 Lumen

# Dimensional drawing



PHILIPS

## **SunStay**

#### **Light Technical** Color rendering index (CRI) Operating and Electrical Battery ampere hour 30 Ah Battery charging & discharging cycles 2000 Battery type Lithium Ferro Phosphate Battery voltage 12.8 V Charge controller type Panel peak wattage 60 W Panel type Mono crystalline 17 Vmp, 21 Voc V Panel voltage **Controls and Dimming** Dimmable Configurability Factory Configurable **Mechanical and Housing Battery location** Inside Luminaire Ingress protection code IP65 Overall height 188 mm Overall length 757 mm Overall width 511 mm **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)

#### **Light Technical**

Order Code	Full Product Name	Correlated Color Temperature (Nom)
50185000	BRP710 LED60 CW MR HY FDIM20 SOLAR	5700 K
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	4000 K

## Operating and Electrical

			Charge	
		Cable	controller	Grid connection
Order Code	Full Product Name	connection kit	wattage	type
50185000	BRP710 LED60 CW MR	Included	35 W	Hybrid
	HY FDIM20 SOLAR			

			Charge	
		Cable	controller	Grid connection
Order Code	Full Product Name	connection kit	wattage	type
36234200	BRP710 LED45 NW MR	-	-	Off grid
	S1 12V LFP Solar			

## **Controls and Dimming**

Order Code	Full Product Name	Solar dimming profile	
50185000	BRP710 LED60 CW MR HY	4hrs 100% + 8 hrs 20%	
	FDIM20 SOLAR		

Solar dimming profile	
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r 5 Hrs)	

# Mechanical and Housing

Order Code	Full Product Name	Housing Color
50185000	BRP710 LED60 CW MR HY FDIM20 SOLAR	RAL 7011

# **SunStay**

Order Code	Full Product Name	Housing Color
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	Gray



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