



# 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

#### Application

- Category P roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centres, corporate campuses, plazas

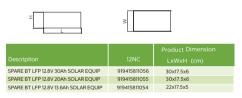
#### Versions

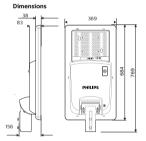


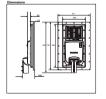
Lithium Ferro Phosphate batery

#### Dimensional drawing

#### Dimensions







PHILIPS

Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro
	Phosphate
Battery voltage	12.8 V
Temperature	
Ambient temperature range	0 to +35 °C
Application Conditions	
Ambient temperature range for	0 °C to +45 °C
charging	

#### Light Technical

		Color				Color
	Correlated Color	rendering			Correlated Color	rendering
Full Product Name	Temperature (Nom)	index (CRI)	Order Code	Full Product Name	Temperature (Nom)	index (CRI)
BRP710 LED20 CW MR S1 12V LFP	5700 K	>70	919515813566	BRP710 LED45 CW MR S1 12V LFP	5700 K	>70
AIO Solar				Solar		
BRP710 LED30 CW MR S1 12V LFP	5700 K	>70	919515813567	BRP710 LED45 CW MR S1 12V	5700 K	>70
AIO Solar				FD30 Solar		
BRP710 LED20 WW MR 12V LFP	3000 K	>70	919515813568	BRP710 LED45 WW MR S1 12V LFP	3000 K	>70
Solar				Solar		
BRP710 LED30 WW MR 12V LFP	3000 K	>70	919515813571	BRP710 LED45 NW MR S1 12V	4000 K	>70
AIO Solar				FD30 Solar		
BRP710 LED20 NW MR 12V LFP	4000 K	>70	919515814302	BRP710 LED45 WW 60MO	3000 K	>70
Solar				PDIM30 BLE Solar		
BRP710 LED30 NW 60MO PDIM30	4000 K	>70	919515898029	BRP710 LED45 NW 60MO PDIM30	4000 K	>70
BLE SOLAR EX				BLE SOLAR EX		
BRP710 LED20 WW 35MO PDIM50	3000 K	>70	919615811265	BRP710 P LED45 CW MR 12V LFP	5700 K	>70
BLE SOLAR EX				Solar P4125		
BRP710 LED20 NW 35MO PDIM50	4000 K	>70	919415811054	SPARE BT LFP 12.8V 13.6Ah	-	-
BLE SOLAR EX				SOLAR EQUIP		
	RP710 LED20 CW MR S1 12V LFP MO Solar RP710 LED30 CW MR S1 12V LFP MO Solar RP710 LED20 WW MR 12V LFP Solar RP710 LED30 WW MR 12V LFP MO Solar RP710 LED20 NW MR 12V LFP Solar RP710 LED20 NW MR 12V LFP Solar RP710 LED20 NW 35MO PDIM50 BLE SOLAR EX RP710 LED20 NW 35MO PDIM50 RP710 LED20 NW 35MO PDIM50	Full Product Name Temperature (Nom)   BRP710 LED20 CW MR S1 12V LFP 5700 K   MO Solar 5700 K   BRP710 LED30 CW MR S1 12V LFP 5700 K   MO Solar 5700 K   BRP710 LED30 CW MR S1 12V LFP 5700 K   MO Solar 3000 K   BRP710 LED20 WW MR 12V LFP 3000 K   BRP710 LED30 WW MR 12V LFP 4000 K   MO Solar 5000 K   MO Solar 5000 K   BRP710 LED20 NW MR 12V LFP 4000 K   BRP710 LED30 NW 60MO PDIM30 4000 K   BRP710 LED30 NW 60MO PDIM30 4000 K   BRP710 LED20 NW 35MO PDIM50 3000 K   BLE SOLAR EX 5000 K	Fundame Temperature (Non) index (CR)   GRP710 LED20 CW MR S1 12V LFP 5700 K >70   MO Solar >70 >70   SRP710 LED30 CW MR S1 12V LFP 5700 K >70   MO Solar >70 >70   SRP710 LED30 CW MR S1 12V LFP 3000 K >70   SRP710 LED20 WW MR 12V LFP 3000 K >70   SRP710 LED30 WW MR 12V LFP 3000 K >70   SRP710 LED30 WW MR 12V LFP 4000 K >70   SRP710 LED30 WW MR 12V LFP 4000 K >70   SRP710 LED30 NW MR 12V LFP 4000 K >70   SRP710 LED30 NW MR 12V LFP 4000 K >70   SRP710 LED30 NW MG 0MO PDIM30 4000 K >70   SRP710 LED30 NW 60MO PDIM30 4000 K >70   SRP710 LED30 NW 35MO PDIM50 3000 K >70   SRP710 LED20 NW 35MO PDIM50 4000 K >70	Full Product Name Temperature (Nom) index (CRI) Order Code   BRP710 LED20 CW MR S1 12V LFP 5700 K >70 919515813566   NO Solar >70 919515813567   SRP710 LED20 CW MR S1 12V LFP 5700 K >70 919515813567   NO Solar >70 919515813567 919515813568   SRP710 LED20 WW MR 12V LFP 3000 K >70 919515813568   Solar >70 919515813568 919515813568   Solar	Full Product NameTemperature (Nomindex (CRI)Order CodeFull Product NameBRP710 LED20 CW MR S1 12V LFP5700 K>70919515813566BRP710 LED45 CW MR S1 12V LFPSRP710 LED30 CW MR S1 12V LFP5700 K>70919515813567BRP710 LED45 CW MR S1 12V LFPSRP710 LED20 WW MR 12V LFP3000 K>70919515813568BRP710 LED45 WW MR S1 12V LFPSRP710 LED30 WW MR 12V LFP3000 K>70919515813561BRP710 LED45 WW MR S1 12V LFPSRP710 LED30 WW MR 12V LFP3000 K>70919515813571BRP710 LED45 NW MR S1 12V LFPSRP710 LED20 NW MR 12V LFP4000 K>70919515813571BRP710 LED45 NW MR S1 12VSRP710 LED30 NW GOMO PDIM304000 K>70919515813502BRP710 LED45 NW GOMO PDIM30SRP710 LED30 NW GOMO PDIM304000 K>709195158898029BRP710 LED45 NW GOMO PDIM30SRP710 LED20 NW 35MO PDIM503000 K>70919515811265BRP710 PLED45 CW MR 12V LFPSRP710 LED20 NW 35MO PDIM504000 K>70919515811265BRP710 PLED45 CW MR 12V LFPSRP710 LED20 NW 35MO PDIM504000 K>70919415811054SPARE BT LFP 128V 13.6Ah	Full Product NameTemperature (Nom)index (CR)Order CodeFull Product NameTemperature (Nom)BRP710 LED20 CW MR S1 12V LFP5700 K>70919515813566BRP710 LED45 CW MR S1 12V LFP5700 KBRP710 LED30 CW MR S1 12V LFP5700 K>70919515813567BRP710 LED45 CW MR S1 12V LFP5700 KAlO Solar

#### **Operating and Electrical**

919515812388 E 919515812966 E 919515812971 E	BRP710 LED30 CW MR S1 12V LFP AIO Solar BRP710 LED20 WW MR 12V LFP Solar BRP710 LED30 WW MR 12V LFP AIO Solar BRP710 LED20 NW MR 12V LFP Solar	13.6 Ah 20 Ah 13.6 Ah 20 Ah 13.6 Ah	MPPT MPPT MPPT MPPT	28 W 35 W 28 W 35 W	Poly crystalline Mono crystalline Poly crystalline Mono crystalline	17 Vmp, 21 Voc V 17 Vmp, 21 Voc V 17 Vmp, 21 Voc V
919515812966 E 919515812971 E	BRP710 LED20 WW MR 12V LFP Solar BRP710 LED30 WW MR 12V LFP AIO Solar BRP710 LED20 NW MR 12V LFP Solar	13.6 Ah 20 Ah	MPPT	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515812971 E	BRP710 LED30 WW MR 12V LFP AIO Solar BRP710 LED20 NW MR 12V LFP Solar	20 Ah		-		
	BRP710 LED20 NW MR 12V LFP Solar		MPPT	35 W	Mono crystalline	
		13.6 Ah			mone crystatine	17 Vmp, 21 Voc V
919515812978 E			MPPT	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515898031 E	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	MPPT	60 W	Mono crystalline	17 V
919515898033 E	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	20 Ah	MPPT	35 W	Mono crystalline	17 V
919515898034 E	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	20 Ah	MPPT	35 W	Mono crystalline	17 V
919515813566 E	BRP710 LED45 CW MR S1 12V LFP Solar	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813568 E	BRP710 LED45 WW MR S1 12V LFP Solar	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813571 E	BRP710 LED45 NW MR S1 12V FD30 Solar	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515814302 E	BRP710 LED45 WW 60MO PDIM30 BLE Solar	30 Ah	MPPT	60 W	Mono crystalline	17 V
919515898029 E	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	MPPT	60 W	Mono crystalline	17 V

Order Code	Full Product Name Battery ampere hour Charge controller type		Panel peak wattage	Panel type	Panel voltage	
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	13.6 Ah	-	-	-	-

#### Controls and Dimming

Order Code	Full Product Name	Dimmable	Configurability	0
919515812387	BRP710 LED20 CW MR S1 12V LFP	Yes	Factory Configurable	9
	AIO Solar			
919515812388	BRP710 LED30 CW MR S1 12V LFP	Yes	Factory Configurable	9
	AIO Solar			
919515812966	BRP710 LED20 WW MR 12V LFP Solar	Yes	Factory Configurable	9
919515812971	BRP710 LED30 WW MR 12V LFP AIO	Yes	Factory Configurable	
	Solar			91
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Yes	Factory Configurable	
919515898031	BRP710 LED30 NW 60MO PDIM30	Yes	Configurable	91
	BLE SOLAR EX			
919515898033	BRP710 LED20 WW 35MO PDIM50	Yes	Configurable	91
	BLE SOLAR EX			
919515898034	BRP710 LED20 NW 35MO PDIM50	Yes	Configurable	91
	BLE SOLAR EX			
919515813566	BRP710 LED45 CW MR S1 12V LFP	Yes	Factory Configurable	
	Solar			

Order Code	Full Product Name	Dimmable	Configurability
919515813567	BRP710 LED45 CW MR S1 12V FD30	Yes	Factory Configurable
	Solar		
919515813568	BRP710 LED45 WW MR S1 12V LFP	Yes	Factory Configurable
	Solar		
919515813571	BRP710 LED45 NW MR S1 12V FD30	Yes	Factory Configurable
	Solar		
919515814302	BRP710 LED45 WW 60MO PDIM30	Yes	Configurable
	BLE Solar		
919515898029	BRP710 LED45 NW 60MO PDIM30	Yes	Configurable
	BLE SOLAR EX		
919615811265	BRP710 P LED45 CW MR 12V LFP	Yes	Factory Configurable
	Solar P4125		
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR	-	-
	EQUIP		

#### Mechanical and Housing

	and Housing									
		Housing	Overall	Overall	Overall			Housing	Overall	Overall
Order Code	Full Product Name	Color	height	length	width	Order Code	Full Product Name	Color	height	length
919515812387	BRP710 LED20 CW	Gray	156 mm	684 mm	369 mm	919515813566	BRP710 LED45 CW	Gray	188 mm	757 mm
	MR S1 12V LFP AIO						MR S1 12V LFP Solar			
	Solar					919515813567	BRP710 LED45 CW	Gray	188 mm	757 mm
919515812388	BRP710 LED30 CW	Gray	156 mm	684 mm	369 mm		MR S1 12V FD30 Solar			
	MR S1 12V LFP AIO					919515813568	BRP710 LED45 WW	Gray	188 mm	757 mm
	Solar						MR S1 12V LFP Solar			
919515812966	BRP710 LED20 WW	Gray	156 mm	684 mm	369 mm	919515813571	BRP710 LED45 NW	Gray	188 mm	757 mm
	MR 12V LFP Solar						MR S1 12V FD30 Solar			
919515812971	BRP710 LED30 WW	Gray	156 mm	684 mm	369 mm	919515814302	BRP710 LED45 WW	RAL 7011	188 mm	757 mm
	MR 12V LFP AIO Solar						60MO PDIM30 BLE			
919515812978	BRP710 LED20 NW	Gray	156 mm	684 mm	369 mm		Solar			
	MR 12V LFP Solar					919515898029	BRP710 LED45 NW	RAL 7011	188 mm	757 mm
919515898031	BRP710 LED30 NW	RAL 7011	156 mm	684 mm	369 mm		60MO PDIM30 BLE			
	60MO PDIM30 BLE						SOLAR EX			
	SOLAR EX					919615811265	BRP710 P LED45 CW	Gray	188 mm	757 mm
919515898033	BRP710 LED20 WW	RAL 7011	156 mm	684 mm	369 mm		MR 12V LFP Solar			
	35MO PDIM50 BLE						P4125			
	SOLAR EX					919415811054	SPARE BT LFP 12.8V	-	220 mm	175 mm
919515898034	BRP710 LED20 NW	RAL 7011	156 mm	684 mm	369 mm		13.6Ah SOLAR EQUIP			
	35MO PDIM50 BLE									
	SOLAR EX									

#### Approval and Application

		Ingress protection
Order Code	Full Product Name	code
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	IP65
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	IP65
919515812966	BRP710 LED20 WW MR 12V LFP Solar	IP65
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	IP65
919515812978	BRP710 LED20 NW MR 12V LFP Solar	IP65
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	IP65
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	IP65
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	IP65

#### Ingress protection Order Code Full Product Name code 919515813566 BRP710 LED45 CW MR S1 12V LFP Solar IP65 919515813567 BRP710 LED45 CW MR S1 12V FD30 Solar IP65 919515813568 BRP710 LED45 WW MR S1 12V LFP Solar IP65 919515813571 BRP710 LED45 NW MR S1 12V FD30 Solar IP65 919515814302 BRP710 LED45 WW 60MO PDIM30 BLE Solar IP65 919515898029 BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX IP65 919615811265 BRP710 P LED45 CW MR 12V LFP Solar P4125 IP65 919415811054 SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP \_

#### **Application Conditions**

	Full	range for discharging		Grid			Full	range for discharging		Grid	
	Product	(when light is	Battery	connection	Solar dimming		Product	(when light is	Battery	connection	Solar dimming
Order Code	Name	on)	location	type	profile	Order Code	Name	on)	location	type	profile
919515812387	BRP710	-20 °C to +35	Inside	Off grid	30% Dusk to		BLE SOLAR				disabled for 5
	LED20 CW	°C	Luminaire		dawn, 100% on		EX				Hrs, after 5 Hrs
	MR S1 12V				motion.	919515898033	BRP710	-20 °C to +35	Inside	Off grid	50% Dusk to
	LFP AIO				( Sensor		LED20 WW	°C	Luminaire		dawn, 100% o
	Solar				disabled for 5		35MO				motion.
					Hrs, after 5 Hrs)		PDIM50				( Sensor
919515812388	BRP710	-20 °C to +35	Inside	Off grid	30% Dusk to		BLE SOLAR				disabled for 5
	LED30 CW	°C	Luminaire		dawn, 100% on		EX				Hrs, after 5 Hrs
	MR S1 12V				motion.	919515898034	BRP710	-20 °C to +35	Inside	Off grid	50% Dusk to
	LFP AIO				( Sensor		LED20 NW	°C	Luminaire		dawn, 100% o
	Solar				disabled for 5		35MO				motion.
					Hrs, after 5 Hrs)		PDIM50				( Sensor
919515812966	BRP710	-20 °C to +35	Inside	Off grid	30% Dusk to		BLE SOLAR				disabled for 5
	LED20 WW	°C	Luminaire		dawn, 100% on		EX				Hrs, after 5 Hr
	MR 12V LFP				motion.	919515813566	BRP710	-20 °C to +35	Inside	Off grid	30% Dusk to
	Solar				( Sensor		LED45 CW	°C	Luminaire		dawn, 100% o
					disabled for 5		MR S1 12V				motion.
					Hrs, after 5 Hrs)		LFP Solar				( Sensor
919515812971	BRP710	-20 °C to +35	Inside	Off grid	30% Dusk to						disabled for 5
	LED30 WW	°C	Luminaire		dawn, 100% on						Hrs, after 5 Hr
	MR 12V LFP				motion.	919515813567	BRP710	-20 °C to +35	Inside	Off grid	5hrs 100% + 7
	AIO Solar				( Sensor		LED45 CW	°C	Luminaire		hrs 30%
					disabled for 5		MR S1 12V				
					Hrs, after 5 Hrs)		FD30 Solar				
919515812978	BRP710	-20 °C to +35	Inside	Off grid	30% Dusk to	919515813568	BRP710	-20 °C to +35	Inside	Off grid	30% Dusk to
	LED20 NW	°C	Luminaire		dawn, 100% on		LED45 WW	°C	Luminaire		dawn, 100% o
	MR 12V LFP				motion.		MR S1 12V				motion.
	Solar				( Sensor		LFP Solar				( Sensor
					disabled for 5						disabled for 5
					Hrs, after 5 Hrs)						Hrs, after 5 Hr
919515898031		-20 °C to +35	Inside	Off grid	30% Dusk to	919515813571	BRP710	-20 °C to +35	Inside	Off grid	5hrs 100% + 7
l	LED30 NW	°C	Luminaire		dawn, 100% on		LED45 NW MR S1 12V	°C	Luminaire		hrs 30%
	60MO				motion.						

		Ambient						Ambient			
		temperature						temperature			
		range for						range for			
	Full	discharging		Grid			Full	discharging		Grid	
	Product	(when light is	Battery	connection	Solar dimming		Product	(when light is	Battery	connection	Solar dimming
Order Code	Name	on)	location	type	profile	Order Code	Name	on)	location	type	profile
919515814302	BRP710	-20 °C to +35	Inside	Off grid	30% Dusk to		BLE SOLAR				disabled for 5
	LED45 WW	°C	Luminaire		dawn, 100% on		EX				Hrs, after 5 Hrs)
	60MO				motion.	919615811265	BRP710 P	-20 °C to +35	Inside	Off grid	30% Dusk to
	PDIM30				( Sensor		LED45 CW	°C	Luminaire		dawn, 100% on
	BLE Solar				disabled for 5		MR 12V LFP				motion.
					Hrs, after 5 Hrs)		Solar P4125				( Sensor
919515898029	BRP710	-20 °C to +35	Inside	Off grid	30% Dusk to						disabled for 5
	LED45 NW	°C	Luminaire		dawn, 100% on						Hrs, after 5 Hrs)
	60MO				motion.	919415811054	SPARE BT	-20 °C to +60	-	-	-
	PDIM30				( Sensor		LFP 12.8V	°C			
							13.6Ah				
							SOLAR				
							EQUIP				



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