



# 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
- $\boldsymbol{\cdot}$  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

### **Application**

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

### Versions









SunStay Hybrid

standard shot sunstay

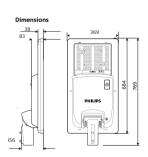
BRP710

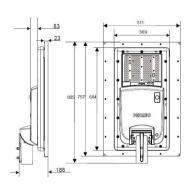
SunStay 4500 Lumen



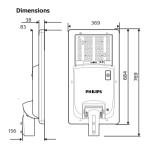
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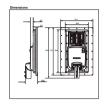
# Dimensional drawing





# Dimensional drawing





PHILIPS

Color rendering index (CRI)	>70
3 - 2 - 3	
Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro
	Phosphate
Battery voltage	12.8 V
Charge controller type	MPPT
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Battery location	Inside Luminaire
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

### **Light Technical**

Order Code	Full Product Name	Correlated Color Temperature (Nom)
919515813982	BRP710 LED45 CW MR HY SOLAR	5700 K
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	4000 K
919515813989	BRP710 LED45 NW MR HY SOLAR	4000 K
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	3000 K
919515813996	BRP710 LED45 WW MR HY SOLAR	3000 K
919515812966	BRP710 LED20 WW MR 12V LFP Solar	3000 K
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	3000 K
919515812978	BRP710 LED20 NW MR 12V LFP Solar	4000 K
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	4000 K
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	3000 K
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	3000 K
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	4000 K
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	5700 K
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	3000 K
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	5700 K
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	5700 K
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	5700 K
919515813980	BRP710 LED20 CW MR HY SOLAR	5700 K
919515813981	BRP710 LED30 CW MR HY SOLAR	5700 K
919515813987	BRP710 LED20 NW MR HY SOLAR	4000 K
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	4000 K
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	3000 K
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	4000 K
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	5700 K
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	3000 K

# Operating and Electrical (1/2)

		Battery	Cable	Charge	Grid
	Full Product	ampere	connection	controller	connection
Order Code	Name	hour	kit	wattage	type
919515813982	BRP710 LED45	30 Ah	Included	25 W	Hybrid
	CW MR HY				
	SOLAR				

		Battery	Cable	Charge	Grid
	Full Product	ampere	connection	controller	connection
Order Code	Name	hour	kit	wattage	type
919515813985	BRP710 LED45	30 Ah	Included	25 W	Hybrid
	NW MR HY				
	FDIM50 SOLAR				

		Battery	Cable	Charge	Grid			Battery	Cable	Charge	Grid
	Full Product	ampere	connection	controller	connection		Full Product	ampere	connection	controller	connection
Order Code	Name	hour	kit	wattage	type	Order Code	Name	hour	kit	wattage	type
919515813989	BRP710 LED45	30 Ah	Included	25 W	Hybrid	Order Code	PDIM50 BLE	Houl	RIC	wattage	туре
313313013303	NW MR HY	30 AII	metadea	25 W	Пурпа		SOLAR EX				
	SOLAR					010515909035	BRP710 LED20	20 Ah			Off grid
919515813993	BRP710 LED60	30 Ah	Included	35 W	Hybrid	919313696033	CW 35MO	20 AII	_	-	Oli gliu
919515615995	WW MR HY	30 AII	iriciadea	33 W	пурпа		PDIM50 BLE				
010515013006	FDIM20 SOLAR	20 Al-	to almala al	25.14	11. 4. 2.1	010515012076	SOLAR EX	12.6.45	to alord al	11 14/	1.15 (15 (2) 4)
919515813996	BRP710 LED45	30 Ah	Included	25 W	Hybrid	919515813976	BRP710 LED20	13.6 Ah	Included	11 W	Hybrid
	WW MR HY						CW MR HY				
	SOLAR						FDIM50 SOLAR				
919515812966	BRP710 LED20	13.6 Ah	-	-	Off grid	919515813977	BRP710 LED30	20 Ah	Included	17 W	Hybrid
	WW MR 12V LFP						CW MR HY				
	Solar						FDIM50 SOLAR				
919515812971	BRP710 LED30	20 Ah	-	-	Off grid	919515813980	BRP710 LED20	13.6 Ah	Included	11 W	Hybrid
	WW MR 12V LFP						CW MR HY				
	AIO Solar						SOLAR				
919515812978	BRP710 LED20	13.6 Ah	-	-	Off grid	919515813981	BRP710 LED30	20 Ah	Included	17 W	Hybrid
	NW MR 12V LFP						CW MR HY				
	Solar						SOLAR				
919515812983	BRP710 LED30	20 Ah	-	-	Off grid	919515813987	BRP710 LED20	13.6 Ah	Included	11 W	Hybrid
	NW MR 12V LFP						NW MR HY				
	AIO Solar						SOLAR				
919515814301	BRP710 LED30	20 Ah	-	-	Off grid	919515898031	BRP710 LED30	30 Ah	-	-	Off grid
	WW 35MO						NW 60MO				
	PDIM30 BLE						PDIM30 BLE				
	Solar						SOLAR EX				
919515814406	BRP710 LED20	13.6 Ah	-	-	Off grid	919515813568	BRP710 LED45	30 Ah	-	-	Off grid
	WW 28PO						WW MR S1 12V				
	PDIM50 BLE						LFP Solar				
	Solar					919515813571	BRP710 LED45	30 Ah	-	-	Off grid
919515898027	BRP710 LED30	20 Ah	-	-	Off grid		NW MR S1 12V				
	NW 35MO						FD30 Solar				
	PDIM30 BLE					919515898030	BRP710 LED45	30 Ah	-	-	Off grid
	SOLAR EX						CW 60MO				
919515898028	BRP710 LED30	20 Ah	-	-	Off grid		PDIM30 BLE				
	CW 35MO						SOLAR EX				
	PDIM30 BLE					919515814304	BRP710 LED30	30 Ah	-	-	Off grid
	SOLAR EX						WW 60MO				
919515898033	BRP710 LED20	20 Ah	-	-	Off grid		PDIM30 BLE				
	WW 35MO				-		Solar				

# Operating and Electrical (2/2)

		Panel peak		
Order Code	Full Product Name	wattage	Panel type	Panel voltage
919515813982	BRP710 LED45 CW MR	60 W	Mono	17 Vmp, 21 Voc
	HY SOLAR		crystalline	V
919515813985	BRP710 LED45 NW MR	60 W	Mono	17 Vmp, 21 Voc
	HY FDIM50 SOLAR		crystalline	V
919515813989	BRP710 LED45 NW MR	60 W	Mono	17 Vmp, 21 Voc
	HY SOLAR		crystalline	V

		Panel peak		
Order Code	Full Product Name	wattage	Panel type	Panel voltage
919515813993	BRP710 LED60 WW MR	60 W	Mono	17 Vmp, 21 Voc
	HY FDIM20 SOLAR		crystalline	V
919515813996	BRP710 LED45 WW MR	60 W	Mono	17 Vmp, 21 Voc
	HY SOLAR		crystalline	V
919515812966	BRP710 LED20 WW MR	28 W	Poly	17 Vmp, 21 Voc
	12V LFP Solar		crystalline	V

		Panel peak		
Order Code	Full Product Name	wattage	Panel type	Panel voltage
919515812971	BRP710 LED30 WW MR	35 W	Mono	17 Vmp, 21 Voc
	12V LFP AIO Solar		crystalline	V
919515812978	BRP710 LED20 NW MR	28 W	Poly	17 Vmp, 21 Voc
	12V LFP Solar		crystalline	V
919515812983	BRP710 LED30 NW MR	35 W	Mono	17 Vmp, 21 Voc
	12V LFP AIO Solar		crystalline	V
919515814301	BRP710 LED30 WW	35 W	Mono	17 V
	35MO PDIM30 BLE		crystalline	
	Solar			
919515814406	BRP710 LED20 WW	28 W	Poly	17 V
	28PO PDIM50 BLE		crystalline	
	Solar			
919515898027	BRP710 LED30 NW	35 W	Mono	17 V
	35MO PDIM30 BLE		crystalline	
	SOLAR EX			
919515898028	BRP710 LED30 CW	35 W	Mono	17 V
	35MO PDIM30 BLE		crystalline	
	SOLAR EX			
919515898033	BRP710 LED20 WW	35 W	Mono	17 V
	35MO PDIM50 BLE		crystalline	
	SOLAR EX			
919515898035	BRP710 LED20 CW	35 W	Mono	17 V
	35MO PDIM50 BLE		crystalline	
	SOLAR EX			

		Panel peak		
Order Code	Full Product Name	wattage	Panel type	Panel voltage
919515813976	BRP710 LED20 CW MR	28 W	Poly	17 Vmp, 21 Voc
	HY FDIM50 SOLAR		crystalline	V
919515813977	BRP710 LED30 CW MR	35 W	Mono	17 Vmp, 21 Voc
	HY FDIM50 SOLAR		crystalline	V
919515813980	BRP710 LED20 CW MR	28 W	Poly	17 Vmp, 21 Voc
	HY SOLAR		crystalline	V
919515813981	BRP710 LED30 CW MR	35 W	Mono	17 Vmp, 21 Voc
	HY SOLAR		crystalline	V
919515813987	BRP710 LED20 NW MR	28 W	Poly	17 Vmp, 21 Voc
	HY SOLAR		crystalline	V
919515898031	BRP710 LED30 NW	60 W	Mono	17 V
	60MO PDIM30 BLE		crystalline	
	SOLAR EX			
919515813568	BRP710 LED45 WW MR	60 W	Mono	17 Vmp, 21 Voc
	S1 12V LFP Solar		crystalline	V
919515813571	BRP710 LED45 NW MR	60 W	Mono	17 Vmp, 21 Voc
	S1 12V FD30 Solar		crystalline	V
919515898030	BRP710 LED45 CW	60 W	Mono	17 V
	60MO PDIM30 BLE		crystalline	
	SOLAR EX			
919515814304	BRP710 LED30 WW	60 W	Mono	17 V
	60MO PDIM30 BLE		crystalline	

# **Controls and Dimming**

Order Code	Full Product Name	Configurability	Solar dimming profile
919515813982	BRP710 LED45 CW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515813985	BRP710 LED45 NW	Factory	5hrs 100% + 7 hrs 50%
	MR HY FDIM50	Configurable	
	SOLAR		
919515813989	BRP710 LED45 NW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515813993	BRP710 LED60 WW	Factory	4hrs 100% + 8 hrs 20%
	MR HY FDIM20	Configurable	
	SOLAR		
919515813996	BRP710 LED45 WW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515812966	BRP710 LED20 WW	Factory	30% Dusk to dawn, 100% on
	MR 12V LFP Solar	Configurable	motion. ( Sensor disabled for
			5 Hrs, after 5 Hrs)
919515812971	BRP710 LED30 WW	Factory	30% Dusk to dawn, 100% on
	MR 12V LFP AIO Solar	Configurable	motion. ( Sensor disabled for
			5 Hrs, after 5 Hrs)
919515812978	BRP710 LED20 NW	Factory	30% Dusk to dawn, 100% on
	MR 12V LFP Solar	Configurable	motion. ( Sensor disabled for
			5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Configurability	Solar dimming profile
919515812983	BRP710 LED30 NW	Factory	30% Dusk to dawn, 100% on
	MR 12V LFP AIO Solar	Configurable	motion. ( Sensor disabled for
			5 Hrs, after 5 Hrs)
919515814301	BRP710 LED30 WW	Configurable	30% Dusk to dawn, 100% on
	35MO PDIM30 BLE		motion. ( Sensor disabled for
	Solar		5 Hrs, after 5 Hrs)
919515814406	BRP710 LED20 WW	Configurable	50% Dusk to dawn, 100% on
	28PO PDIM50 BLE		motion. ( Sensor disabled for
	Solar		5 Hrs, after 5 Hrs)
919515898027	BRP710 LED30 NW	Configurable	30% Dusk to dawn, 100% on
	35MO PDIM30 BLE		motion. ( Sensor disabled for
	SOLAR EX		5 Hrs, after 5 Hrs)
919515898028	BRP710 LED30 CW	Configurable	30% Dusk to dawn, 100% on
	35MO PDIM30 BLE		motion. ( Sensor disabled for
	SOLAR EX		5 Hrs, after 5 Hrs)
919515898033	BRP710 LED20 WW	Configurable	50% Dusk to dawn, 100% on
	35MO PDIM50 BLE		motion. ( Sensor disabled for
	SOLAR EX		5 Hrs, after 5 Hrs)
919515898035	BRP710 LED20 CW	Configurable	50% Dusk to dawn, 100% on
	35MO PDIM50 BLE		motion. ( Sensor disabled for
	SOLAR EX		5 Hrs, after 5 Hrs)

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Order Code	Full Product Name	Configurability	Solar dimming profile
919515813976	BRP710 LED20 CW	Factory	5hrs 100% + 7 hrs 50%
	MR HY FDIM50	Configurable	
	SOLAR		
919515813977	BRP710 LED30 CW	Factory	5hrs 100% + 7 hrs 50%
	MR HY FDIM50	Configurable	
	SOLAR		
919515813980	BRP710 LED20 CW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515813981	BRP710 LED30 CW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515813987	BRP710 LED20 NW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515898031	BRP710 LED30 NW	Configurable	30% Dusk to dawn, 100% on
	60MO PDIM30 BLE		motion. ( Sensor disabled for
	SOLAR EX		5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Configurability	Solar dimming profile
Order Code	Tutt Floudet Name	Comigurability	Sotar diffilling profite
919515813568	BRP710 LED45 WW	Factory	30% Dusk to dawn, 100% on
	MR S1 12V LFP Solar	Configurable	motion. ( Sensor disabled for
			5 Hrs, after 5 Hrs)
919515813571	BRP710 LED45 NW	Factory	5hrs 100% + 7 hrs 30%
	MR S1 12V FD30 Solar	Configurable	
919515898030	BRP710 LED45 CW	Configurable	30% Dusk to dawn, 100% on
	60MO PDIM30 BLE		motion. ( Sensor disabled for
	SOLAR EX		5 Hrs, after 5 Hrs)
919515814304	BRP710 LED30 WW	Configurable	30% Dusk to dawn, 100% on
	60MO PDIM30 BLE		motion. ( Sensor disabled for
	Solar		5 Hrs, after 5 Hrs)

### Mechanical and Housing

		Housing	Overall	Overall	Overall
Order Code	Full Product Name	Color	height	length	width
919515813982	BRP710 LED45 CW	RAL 7011	188 mm	757 mm	511 mm
	MR HY SOLAR				
919515813985	BRP710 LED45 NW	RAL 7011	188 mm	757 mm	511 mm
	MR HY FDIM50				
	SOLAR				
919515813989	BRP710 LED45 NW	RAL 7011	188 mm	757 mm	511 mm
	MR HY SOLAR				
919515813993	BRP710 LED60 WW	RAL 7011	188 mm	757 mm	511 mm
	MR HY FDIM20				
	SOLAR				
919515813996	BRP710 LED45 WW	RAL 7011	188 mm	757 mm	511 mm
	MR HY SOLAR				
919515812966	BRP710 LED20 WW	Gray	156 mm	684 mm	369 mm
	MR 12V LFP Solar				
919515812971	BRP710 LED30 WW	Gray	156 mm	684 mm	369 mm
	MR 12V LFP AIO				
	Solar				
919515812978	BRP710 LED20 NW	Gray	156 mm	684 mm	369 mm
	MR 12V LFP Solar				
919515812983	BRP710 LED30 NW	Gray	156 mm	684 mm	369 mm
	MR 12V LFP AIO				
	Solar				
919515814301	BRP710 LED30 WW	RAL 7011	156 mm	684 mm	369 mm
	35MO PDIM30 BLE				
	Solar				
919515814406	BRP710 LED20 WW	RAL 7011	156 mm	684 mm	369 mm
	28PO PDIM50 BLE				
	Solar				
919515898027	BRP710 LED30 NW	RAL 7011	156 mm	684 mm	369 mm
	35MO PDIM30 BLE				

		Housing	Overall	Overall	Overall
Order Code	Full Product Name	Color	height	length	width
919515898028	BRP710 LED30 CW	RAL 7011	156 mm	684 mm	369 mm
	35MO PDIM30 BLE				
	SOLAR EX				
919515898033	BRP710 LED20 WW	RAL 7011	156 mm	684 mm	369 mm
	35MO PDIM50 BLE				
	SOLAR EX				
919515898035	BRP710 LED20 CW	RAL 7011	156 mm	684 mm	369 mm
	35MO PDIM50 BLE				
	SOLAR EX				
919515813976	BRP710 LED20 CW	RAL 7011	156 mm	684 mm	369 mm
	MR HY FDIM50				
	SOLAR				
919515813977	BRP710 LED30 CW	RAL 7011	156 mm	684 mm	369 mm
	MR HY FDIM50				
	SOLAR				
919515813980	BRP710 LED20 CW	RAL 7011	156 mm	684 mm	369 mm
	MR HY SOLAR				
919515813981	BRP710 LED30 CW	RAL 7011	156 mm	684 mm	369 mm
	MR HY SOLAR				
919515813987	BRP710 LED20 NW	RAL 7011	156 mm	684 mm	369 mm
	MR HY SOLAR				
919515898031	BRP710 LED30 NW	RAL 7011	156 mm	684 mm	369 mm
	60MO PDIM30 BLE				
	SOLAR EX				
919515813568	BRP710 LED45 WW	Gray	188 mm	757 mm	511 mm
	MR S1 12V LFP Solar				
919515813571	BRP710 LED45 NW	Gray	188 mm	757 mm	511 mm
	MR S1 12V FD30				
	Solar				
919515898030	BRP710 LED45 CW	RAL 7011	188 mm	757 mm	511 mm
	60MO PDIM30 BLE				
	SOLAR EX				

	Housing	Overall	Overall	Overall
Full Product Name	Color	height	length	width
BRP710 LED30 WW	RAL 7011	156 mm	684 mm	369 mm
60MO PDIM30 BLE				
Solar				
	BRP710 LED30 WW 60MO PDIM30 BLE	Full Product Name Color BRP710 LED30 WW RAL 7011 60MO PDIM30 BLE	Full Product Name Color height BRP710 LED30 WW RAL 7011 156 mm 60MO PDIM30 BLE	Full Product Name Color height length BRP710 LED30 WW RAL 7011 156 mm 684 mm 60MO PDIM30 BLE



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