

LED Solar Streetlights



E-Lover Street Light Solar Series state of the art design with low light decay, high color rendering index LED chip source and high quality low weight aluminum alloy housing. Its innovative design makes a perfect solution for multiple street lighting applications with minimum relamping cost.

Applications:



PRODUCT FEATURES

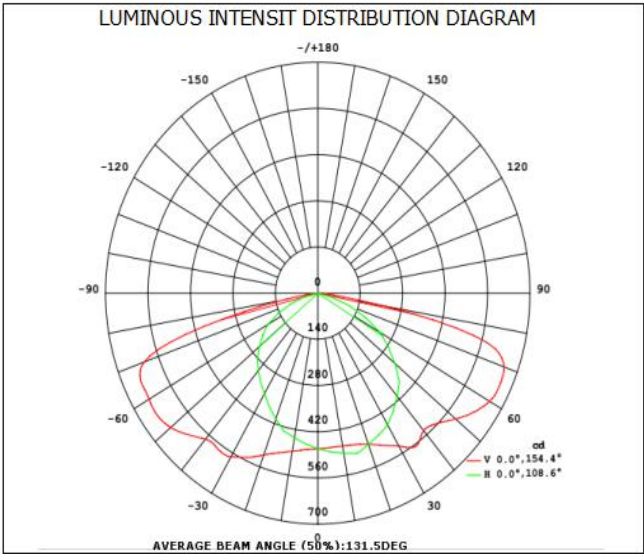
- State of the art design. compact in structure and nice in appearance.
- High color rendering index SMD LED chips source light with high-quality.
- High quality 3 years warranty LiFePO4 battery with 5-8 years lifespan.
- High efficiency monocrystalline silicon solar panels.
- IP65 for waterproof.
- No mercury and lead. No UV. No infrared. No radiation. Without causing any flickering, helpful to protect the eyes.
- Motion sensor: 100% power if people comes, 30% power if without people.
- Back up 3-5 days if save model.



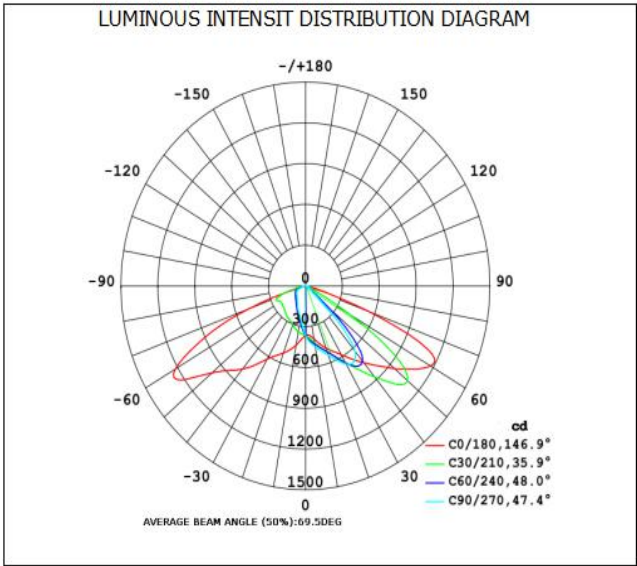


ILLUMINANCE DIAGRAM

Below 30w (include 30w)



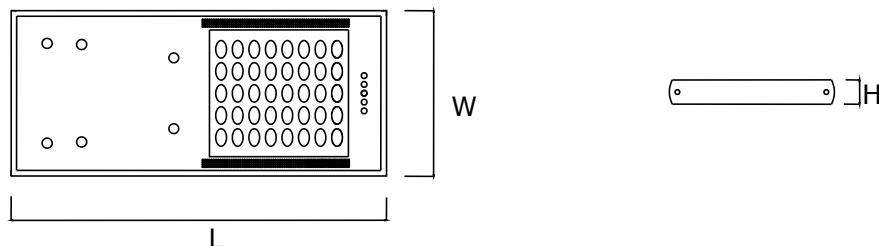
30w above



LED SOLAR STREETLIGHTS PRODUCT SERIES CUTSHEET



PRODUCT DIAGRAM



Product Name	W [mm]	L [mm]	H [mm]
EL-SSTAIO-E-10W	327	490	145
EL-SSTAIO-E-15W	327	740	145
EL-SSTAIO-E-20W	327	880	145
EL-SSTAIO-E-30W	327	1130	145
EL-SSTAIO-E-40W	327	1260	145
EL-SSTAIO-E-50W	453	1130	145
EL-SSTAIO-E-60W	453	1210	145
EL-SSTAIO-E-80W	565	1360	145

TECHNICAL DATA

Electrical characteristics :

Product Name	Solar Panel Voltage	Solar Panel Power	Battery Voltage	Battery Capacity	Charge Time	Full Power Last Time	Save Model Last Time	Dimmable
EL-SSTAIO-E-10W	DC18V	17W	14.6V	6AHrs	6-8h	>8h	3-5days	Y
EL-SSTAIO-E-15W	DC18V	26W	14.6V	10AHrs	6-8h	>8h	3-5days	Y
EL-SSTAIO-E-20W	DC18V	35W	14.6V	14AHrs	6-8h	>8h	3-5days	Y
EL-SSTAIO-E-30W	DC16V	45W	14.6V	20AHrs	6-8h	>8h	3-5days	Y
EL-SSTAIO-E-40W	DC18V	58W	14.6V	26AHrs	6-8h	>8h	3-5days	Y
EL-SSTAIO-E-50W	DC18V	70W	14.6V	34AHrs	6-8h	>8h	3-5days	Y
EL-SSTAIO-E-60W	DC18V	80W	14.6V	40AHrs	6-8h	>8h	3-5days	Y
EL-SSTAIO-E-80W	DC18V	110W	14.6V	56AHrs	6-8h	>8h	3-5days	Y

Note 1: Absolute ratings @ 25°C.

Note 2: Operating temperature -10~+75, Wind resistance Max36m/s, Altitude <5000M, Atmosphere Pressure 86-106KPa.

Note 3: lifespan for solar panel is about 25 years, lifespan for Lithium is about 5-8 years.



TECHNICAL DATA

Optical Characteristics :

Product Name	Color	Color Temperature [°K]	Luminescence [lm]	CRI (Ra)	Beam angle [°]
EL-SSTAIO-E-10W-CW	Cool White	6000	1600	70	150*100°
EL-SSTAIO-E-10W-NW	Nature White	4000	1550	70	150*100°
EL-SSTAIO-E-10W-WW	Warm White	3000	1500	70	150*100°
EL-SSTAIO-E-15W-CW	Cool White	6000	2400	70	150*100°
EL-SSTAIO-E-15W-NW	Nature White	4000	2325	70	150*100°
EL-SSTAIO-E-15W-WW	Warm White	3000	2250	70	150*100°
EL-SSTAIO-E-20W-CW	Cool White	6000	3200	70	150*100°
EL-SSTAIO-E-20W-NW	Nature White	4000	3100	70	150*100°
EL-SSTAIO-E-20W-WW	Warm White	3000	3000	70	150*100°
EL-SSTAIO-E-30W-CW	Cool White	6000	4800	70	150*100°
EL-SSTAIO-E-30W-NW	Nature White	4000	4650	70	150*100°
EL-SSTAIO-E-30W-WW	Warm White	3000	4500	70	150*100°
EL-SSTAIO-E-40W-CW	Cool White	6000	6400	70	150*100°
EL-SSTAIO-E-40W-NW	Nature White	4000	6200	70	150*100°
EL-SSTAIO-E-40W-WW	Warm White	3000	6000	70	150*100°
EL-SSTAIO-E-50W-CW	Cool White	6000	8000	70	150*100°
EL-SSTAIO-E-50W-NW	Nature White	4000	7750	70	150*100°
EL-SSTAIO-E-50W-WW	Warm White	3000	7500	70	150*100°
EL-SSTAIO-E-60W-CW	Cool White	6000	9600	70	150*100°
EL-SSTAIO-E-60W-NW	Nature White	4000	9300	70	150*100°
EL-SSTAIO-E-60W-WW	Warm White	3000	9000	70	150*100°
EL-SSTAIO-E-80W-CW	Cool White	6000	12800	70	150*100°
EL-SSTAIO-E-80W-NW	Nature White	4000	12400	70	150*100°
EL-SSTAIO-E-80W-WW	Warm White	3000	12000	70	150*100°

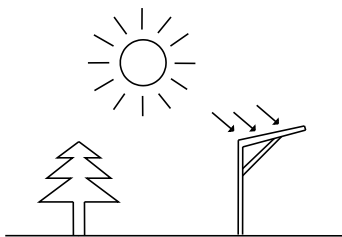
Note 1: Absolute ratings @ 25°C.

Note 2: Tolerance of measurement of luminous intensity±10%.

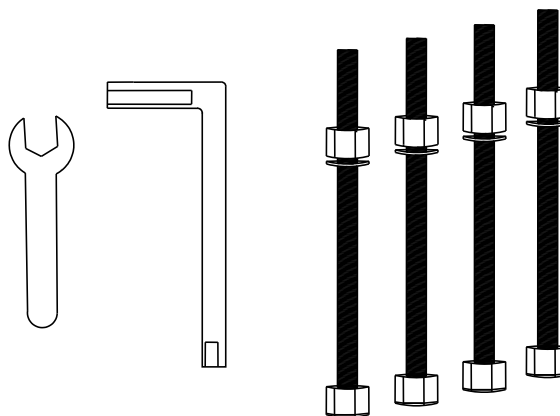
PRODUCT INSTALLATION:

Precaution: Switch off power before doing any works.

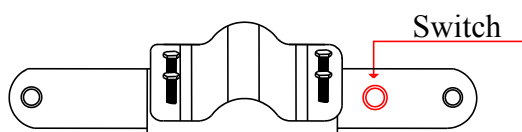
Step 1: choose a good place for daylight and arrange poles. Recommend 6-8M height, diameter is 30-100MM, thickness more than 2.00mm, Iron or stainless steel poles



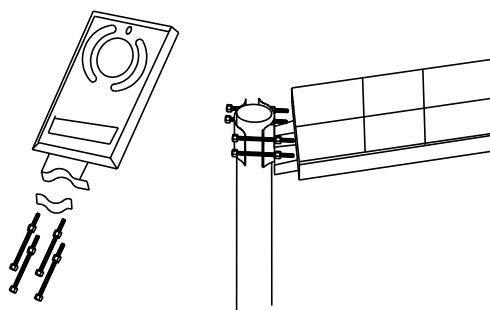
Step 2: check the accessories are complete as below: MB socket head cap screw, MB socket head cap screw and tools.



Step 3: turn off switch before installation



Step 4: Fix the all in one solar led street lights and the poles, tighten the screws with specialized tools and make sure the installation firm





SAFETY

1. **Always** consult a qualified, licensed electrician prior to the installation of this product.
2. **Always** ensure that all components are joined properly before they are installed.
3. It is recommended that adequate airflow and heat sink be taken into account in the application and installation of this product. Improper thermal management may lead to premature failure.
4. If any doubt about the installation or use of this product, consult a competent electrician.
5. Exceeding the operating temperature values may damage LED chips by reducing the total lamp life and lumen output, and inversely impact color consistency.
6. Switch off power of the mains supply or respectively of the connection lead before doing any works.
7. Avoid voltage drops by using a dedicated line for each maximum power consumption line.
8. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, make sure the load is between 50% and 80% of the total capacity of the power supply.
9. LED products are continuously being improved upon in ever-shortening manufacturing cycles. LED color temperature (kelvin), lumen output, and product appearance can change from order to order. Please note that variation in color temperature (kelvin) is commonly +/- 250k and brightness (lumens) is +/- 10%.

LED SOLAR STREETLIGHTS PRODUCT SERIES CUTSHEET



PACKING:

Product Name	Outer Carton Size(L×W×H)[mm]	Qty/Carton [pcs]	Gross Weight [Kg]	Unit Weight [Kg]
EL-SSTAIO-E-10W	580x400x150	1	6.2	5.2
EL-SSTAIO-E-15W	795x382x205	1	9.5	8
EL-SSTAIO-E-20W	950x390x220	1	12.5	11.5
EL-SSTAIO-E-30W	1185x390x220	1	17	15.8
EL-SSTAIO-E-40W	1330x390x220	1	18.2	16.2
EL-SSTAIO-E-50W	1190x510x220	1	22	20
EL-SSTAIO-E-60W	1270x510x220	1	24	22
EL-SSTAIO-E-80W	1430x630x220	1	30	27

Note 1: The default package information is only for reference.

OTHER E-LOVER PRODUCTS:

For more information about E-Lover products, please visit our website

www.szelovert.com

DISCLAIMER:

E-Lover reserves the right to modify the design of our products as part of the company's program of continuous improvement. E-Lover cannot guarantee to match existing installed product for subsequent orders or replace the product exactly to match the product you are replacing in product appearance, color, or brightness. Specifications are subject to change without notice.