

LED Streetlights Series V(EL-ST5CM)



E-Lover Street Light Series V state of the art design with low light decay, high color rendering index PHILIPS SMD LED chips(50000hours lifespan) source light and high quality low weight aluminum alloy housing fill in a high brightness and long lifespan street light. Its innovative modular design and adjustable angle makes a perfect solution for multiple street lighting applications with minimum revamping cost.

Applications:



PRODUCT FEATURES

- State of the art design. Adopt the modern aesthetic streamline design, compact in structure and nice in appearance.
- High color rendering index PHILIPS SMD LED chips(50000hours lifespan) source light with high-quality.
- Lightweight Aluminum alloy housing. Reliable aluminum alloy corrugated-fin composition, increasing the cooling area at utmost, reducing the light weight a lot. Modular lamp design which allows increasing or decreasing the illumination needs.
- Power factor ≥ 0.9 . Adopt high-quality-high-efficiency constant current Meanwell driver(50000hours lifespan), to ensure the product's stability, also to reduce the power consumption greatly.
- Low temperatures. Long lifespan more than 50000hours.
- IP65 for waterproof.
- 5 years warranty
- No mercury and lead. No UV. No infrared. No radiation. Without causing any flickering, helpful to protect the eyes.
- CE (TUV) for EMC and LVD approved and RoHS compliant.



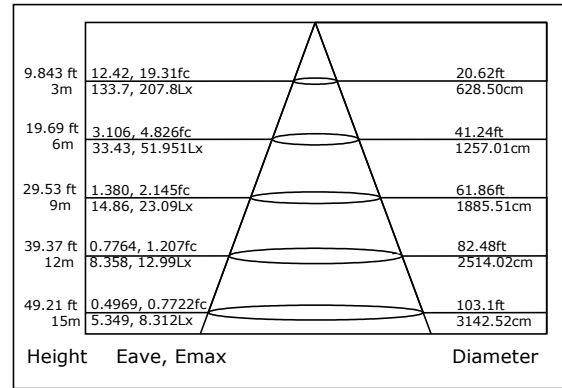
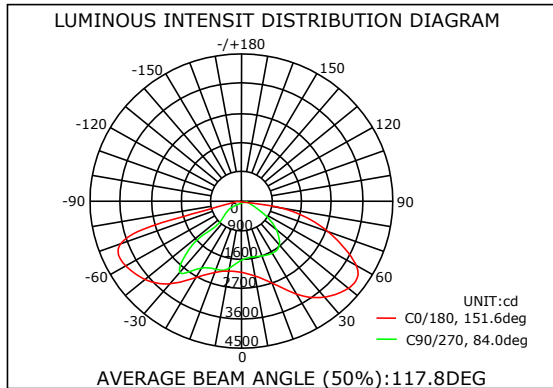
LED STREETLIGHTS SERIES V PRODUCT SERIES DATASHEET



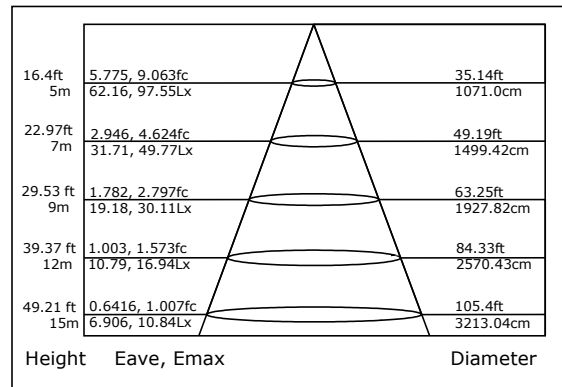
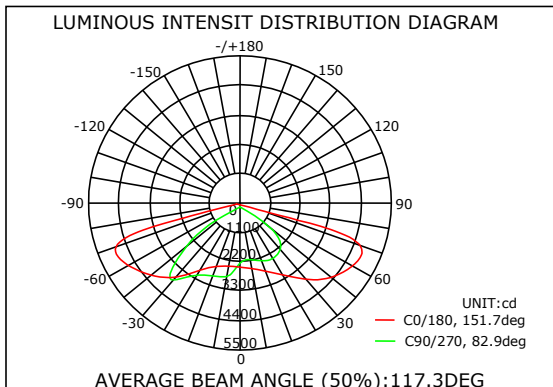
ILLUMINANCE DIAGRAM

Product Luminance:

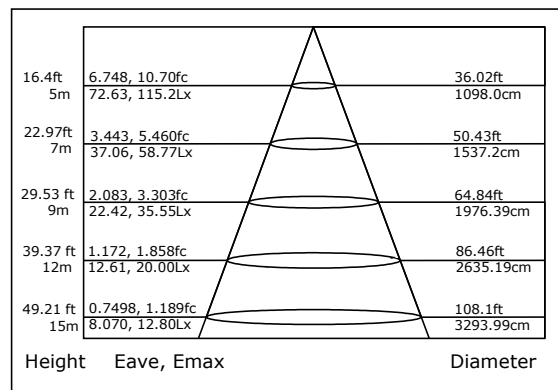
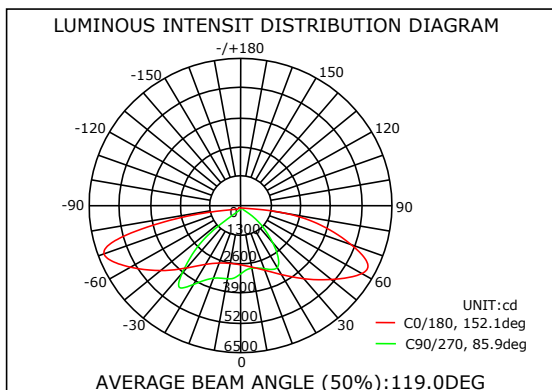
100 Watts



150 Watts



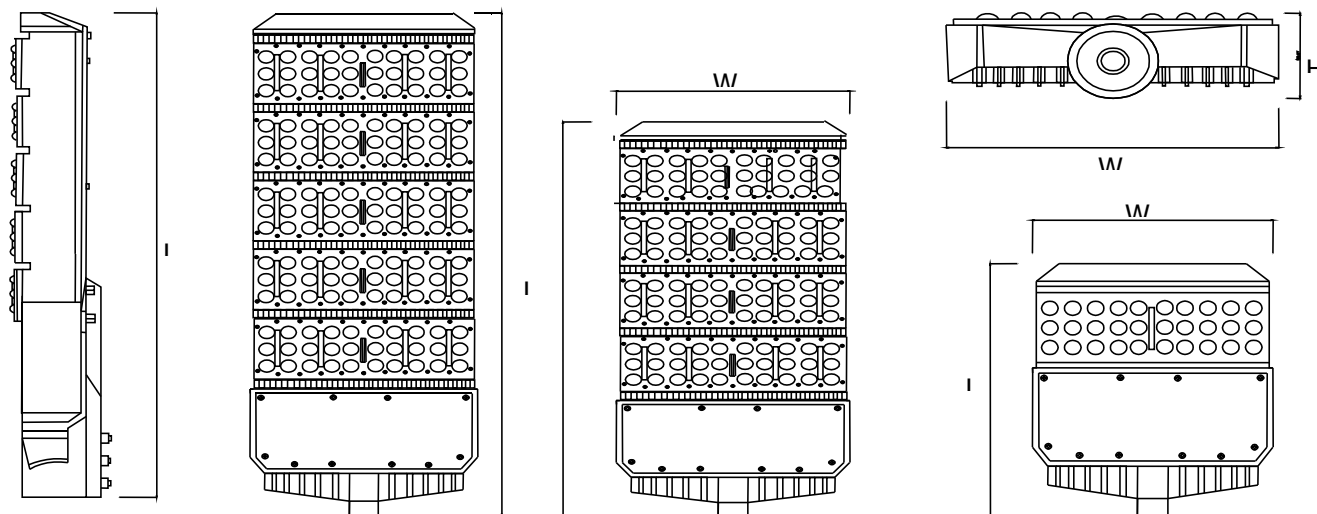
200 Watts



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PRODUCT DIAGRAM



Part number	L [mm]	W [mm]	H [mm]
EL-ST5CM-50W	480	305	110
EL-ST5CM-100W	610	305	110
EL-ST5CM-150W	750	305	110
EL-ST5CM-200W	890	305	110
EL-ST5CM-250W	1030	305	110
EL-ST5CM-300W	1170	305	110

TECHNICAL DATA

Electrical characteristics:

Part number	Operating Voltage [V]	Frequency [Hz]	Power [W]	Traditional equivalent [W]	Power Factor [%]	Dimmable [Y/N]	Pole Height [m]	Pole Distance [m]
EL-ST5CM-50W	AC90-305V	50 / 60	50	100	≥0.9	optional	8	20
EL-ST5CM-100W	AC90-305V	50 / 60	100	200	≥0.9	optional	8	20
EL-ST5CM-150W	AC90-305V	50 / 60	150	300	≥0.9	optional	12	30
EL-ST5CM-200W	AC90-305V	50 / 60	200	400	≥0.9	optional	14	50
EL-ST5CM-250W	AC90-305V	50 / 60	250	480	≥0.9	optional	14	50
EL-ST5CM-300W	AC90-305V	50 / 60	300	600	≥0.9	optional	14	50

Note1: AC200-305V is available for option.

LED STREETLIGHTS SERIES V PRODUCT SERIES DATASHEET



TECHNICAL DATA

Optical Characteristics:

Part number	Color	Color Temperature [°K]	Luminescence [lm]	Lumen Efficiency [lm/w]	CRI (Ra)	Beam angle [°]
EL-ST5CM-50W-CW	Cold White	6000	5500lm	110	70	120*90°
EL-ST5CM-50W-NW	Nature White	4000	5250lm	105	70	120*90°
EL-ST5CM-50W-WW	Warm White	3000	50000lm	100	70	120*90°
EL-ST5CM-100W-CW	Cold White	6000	11000lm	110	70	120*90°
EL-ST5CM-100W-NW	Nature White	4000	10500lm	105	70	120*90°
EL-ST5CM-100W-WW	Warm White	3000	10000lm	100	70	120*90°
EL-ST5CM-150W-CW	Cold White	6000	16500lm	110	70	120*90°
EL-ST5CM-150W-NW	Nature White	4000	15750lm	105	70	120*90°
EL-ST5CM-150W-WW	Warm White	3000	15000lm	100	70	120*90°
EL-ST5CM-200W-CW	Cold White	6000	22000lm	110	70	120*90°
EL-ST5CM-200W-NW	Nature White	4000	21000lm	105	70	120*90°
EL-ST5CM-200W-WW	Warm White	3000	20000lm	100	70	120*90°
EL-ST5CM-250W-CW	Cold White	6000	27500lm	110	70	120*90°
EL-ST5CM-250W-NW	Nature White	4000	26250lm	105	70	120*90°
EL-ST5CM-250W-WW	Warm White	3000	25000lm	100	70	120*90°
EL-ST5CM-300W-CW	Cold White	6000	33000lm	110	70	120*90°
EL-ST5CM-300W-NW	Nature White	4000	31500lm	105	70	120*90°
EL-ST5CM-300W-WW	Warm White	3000	30000lm	100	70	120*90°

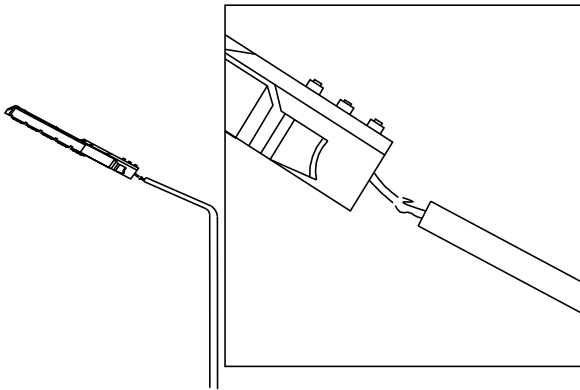
Note1: Absolute ratings @ 25°C.

Note2: Tolerance of measurement of luminous intensity±15%.

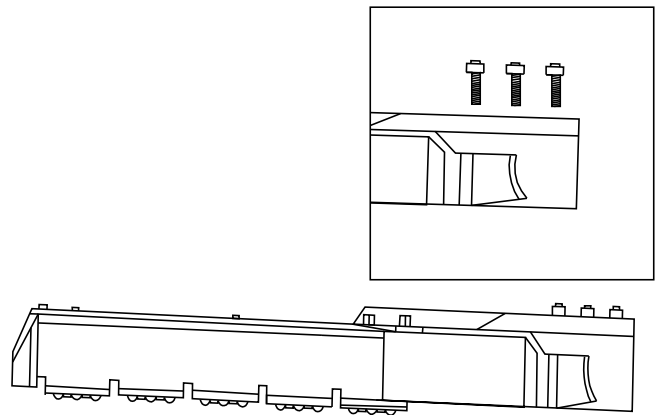
PRODUCT INSTALLATION:

Precaution: Switch off power before doing any works.

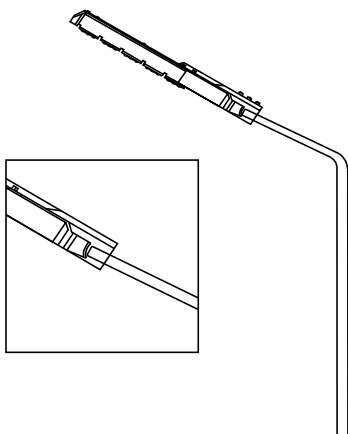
Step 1: Correctly connect three core input cable with the main cable from the light pole, and make sure its waterproof.



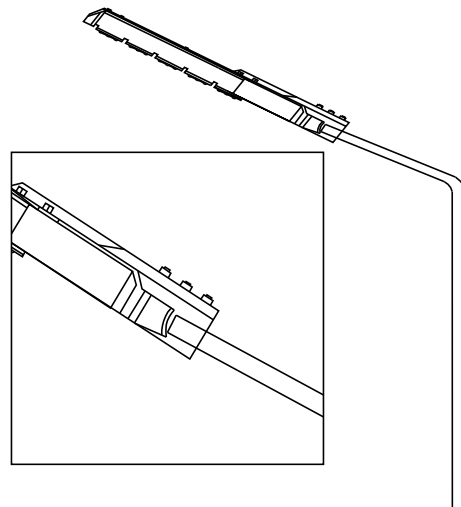
Step 2: Remove screws and nut from lamp installation parts.



Step 3: Insert lamp pole into the lamp installation hole.



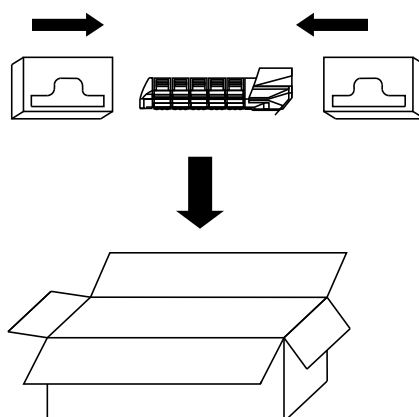
Step 4: Tightly lock the screw and nut of the lamp installation parts.



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%.

PACKING:



LED STREETLIGHTS SERIES V PRODUCT SERIES DATASHEET



PACKING:

Part Number	Outer Carton Size(L×W×H)[mm]	Qty/ Carton [pcs]	Gross Weight [Kg]	Unit Weight [Kg]
EL-ST5CM-50W	540*370*150	1	7.3	6.4
EL-ST5CM-100W	720*370*150	1	9.3	8.3
EL-ST5CM-150W	800*370*150	1	11.9	10.9
EL-ST5CM-200W	960*370*150	1	14	13
EL-ST5CM-250W	1260*370*150	1	15.6	14
EL-ST5CM-300W	1260*370*150	1	18.7	17.1

OTHER E-LOVER PRODUCTS:

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

www.szelover.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.