

LED T8 TUBE LIGHT SERIES III PRODUCT SERIES DATA SHEET



LED T8 Tube Series III (EL-T83EG)



E-lover fitting light with state of the art design with low light decay, high color rendering index LED chip source light and high quality low weight aluminum alloy housing, PC cover, excellent light transmittance, shock-proof and long lifespan tube.

Basic Specification:

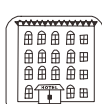
| | |
|-------------|------------------------------------------------------|
| Watt | 10W,20W,30W,40W,50W |
| Input | AC100-240V |
| Driver | CE&ROHS |
| IP | 20 |
| Beam Angle | 120*120 |
| CRI | 80 |
| Application | Office, School Room, Shopping Mall, Restaurant, Bank |
| Material | Aluminum alloy, PC cover |



Shopping Mall



Hospital



Hotel



Office



Residence



School



PRODUCT FEATURES

- State of the art design. Adopt the modern aesthetic streamline design, compact in structure and nice in appearance.
- High color rendering index Epistar SMD LED chips source light with high-quality.
- Unique thermal management: Aluminum back casing dissipate the inside heat efficiently
- Power factor ≥ 0.90 . Adopt high-quality-high-efficiency constant current Mosopower driver(50000hours warranty), to ensure the product's stability, also to reduce the power consumption greatly.
- With isolated driver, more safe and stable.
- Low temperatures. Long lifespan more than 35000hours.
- No mercury and lead. No UV. No radiation. Without causing any flickering, helpful to protect the eyes.



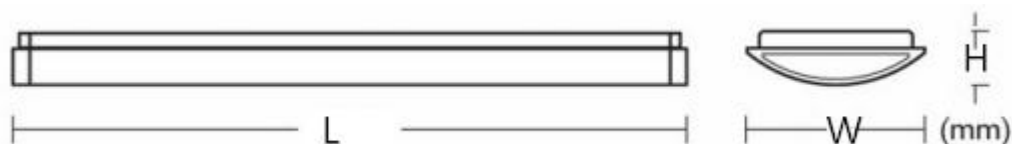
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PRODUCT SERIES DATA SHEET



PRODUCT DIAGRAM

PRODUCT DIMENSIONS



| Part number | L[mm] | W[mm] | H[mm] |
|--------------|-------|-------|-------|
| EL-T83EG-10W | 350 | 340 | 170 |
| EL-T83EG-20W | 650 | 340 | 170 |
| EL-T83EG-30W | 950 | 340 | 170 |
| EL-T83EG-40W | 1250 | 340 | 170 |
| EL-T83EG-50W | 1550 | 340 | 170 |

TECHNICAL DATA

Electrical characteristics:

| Part number | Operating Voltage [V] | Frequency [Hz] | Power [W] | Traditional equivalent [W] | Power Factor [%] | Dimmable [Y/N] | Working temperature |
|--------------|-----------------------|----------------|-----------|----------------------------|------------------|----------------|---------------------|
| EL-T83EG-10W | AC100-240V | 50 / 60 | 10 | 20 | ≥0.90 | N | -30°~50° |
| EL-T83EG-20W | AC100-240V | 50 / 60 | 20 | 40 | ≥0.90 | N | -30°~50° |
| EL-T83EG-30W | AC100-240V | 50 / 60 | 30 | 60 | ≥0.90 | N | -30°~50° |
| EL-T83EG-40W | AC100-240V | 50 / 60 | 40 | 80 | ≥0.90 | N | -30°~50° |
| EL-T83EG-50W | AC100-240V | 50 / 60 | 50 | 100 | ≥0.90 | N | -30°~50° |

Note 1: Absolute ratings @ 25°C.

Note 2: 10W,20W ,30W,40W , 50W for Hotel, Shopping mall,Residential and Meeting room.

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Optical Characteristics:

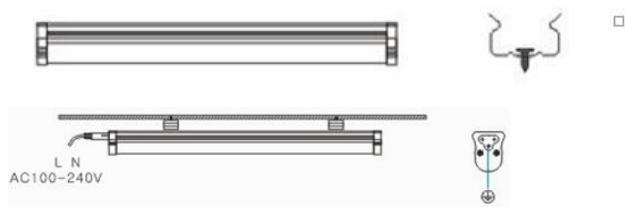
| Part number | color | Color Temperature [°K] | Luminescence [lm] | Lumen Efficiency [lm/w] | IP Rating | Beam angle [°] |
|-----------------|--------------|------------------------|-------------------|-------------------------|-----------|----------------|
| EL-T83EG-10W-CW | Cool white | 6000 | 1000 | 100 | IP20 | 120 |
| EL-T83EG-10W-NW | Nature white | 4000 | 950 | 95 | IP20 | 120 |
| EL-T83EG-10W-WW | Warn white | 3000 | 900 | 90 | IP20 | 120 |
| EL-T83EG-20W-CW | Cool white | 6000 | 2000 | 100 | IP20 | 120 |
| EL-T83EG-20W-NW | Nature white | 4000 | 1900 | 95 | IP20 | 120 |
| EL-T83EG-20W-WW | Warn white | 3000 | 1800 | 90 | IP20 | 120 |
| EL-T83EG-30W-CW | Cool white | 6000 | 3000 | 100 | IP20 | 120 |
| EL-T83EG-30W-NW | Nature white | 4000 | 2850 | 95 | IP20 | 120 |
| EL-T83EG-30W-WW | Warn white | 3000 | 2700 | 90 | IP20 | 120 |
| EL-T83EG-40W-CW | Cool white | 6000 | 4000 | 100 | IP20 | 120 |
| EL-T83EG-40W-NW | Nature white | 4000 | 3800 | 95 | IP20 | 120 |
| EL-T83EG-40W-WW | Warn white | 3000 | 3600 | 90 | IP20 | 120 |
| EL-T83EG-50W-CW | Cool white | 6000 | 5000 | 100 | IP20 | 120 |
| EL-T83EG-50W-NW | Nature white | 4000 | 4750 | 95 | IP20 | 120 |
| EL-T83EG-50W-WW | Warn white | 3000 | 4500 | 90 | IP20 | 120 |

Note1: Absolute ratings @ 25°C.

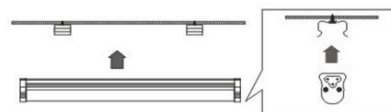
Note2: Tolerance of measurement of luminous intensity±15%.

PRODUCT INSTALLATION

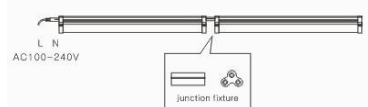
Step 1.Fix the metal fixture



Step 2.Fix the LED tube into the fixtures



Step 4.Parallel connection: use junction fixtures





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 heatsink 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

| Product Name | Outer Carton Size(L×W×H)[mm] | Qty/Carton [pcs] | Carton Weight [Kg] |
|--------------|------------------------------|------------------|--------------------|
| EL-T83EG-10W | 34*17*35 | 20 | 5.27 |
| EL-T83EG-20W | 34*17*65 | 20 | 6.72 |
| EL-T83EG-30W | 34*17*95 | 20 | 8.56 |
| EL-T83EG-40W | 34*17*125 | 20 | 10.65 |
| EL-T83EG-50W | 34*17*155 | 20 | 12.51 |

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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.