

LED TUBE LIGHTS T8 SERIES PRODUCT SERIES DATA SHEET



LED tube T8 Series



LED SPACE tube T8 Series state of the art design 1/2 aluminum + 1/2 PC cover, with low light decay, high color rendering index SMD 2835 LED chip source light and high quality low weight aluminum alloy housing, PC cover, excellent light transmittance, shock-proof and long lifespan tube.



Applications



Hotel



Office



Parking
Lots



Shopping Mall



Warehouse



School



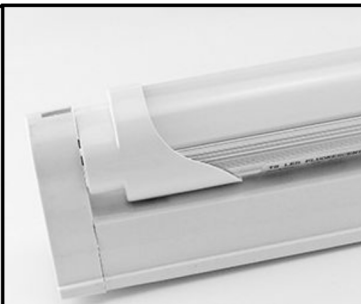
Residence



Hospital

PRODUCT FEATURES

- State of the art design. 1/2 Aluminum + 1/2 PC Cover, compact in structure and nice in appearance.
- High color rendering index SMD2835 LED chips.
- Power factor ≥ 0.9 . . Adopt high-quality-high-efficiency constant current isolated driver, to ensure the product's stability, also to reduce the power consumption greatly.
- Low temperatures. Long lifespan more than 50000hours.
- No mercury and lead. No UV. No infrared. No radiation. Without causing any flickering, helpful to protect the eyes.
- Free color box.
- Matching bracket/Tank + base connector available(following pictures).

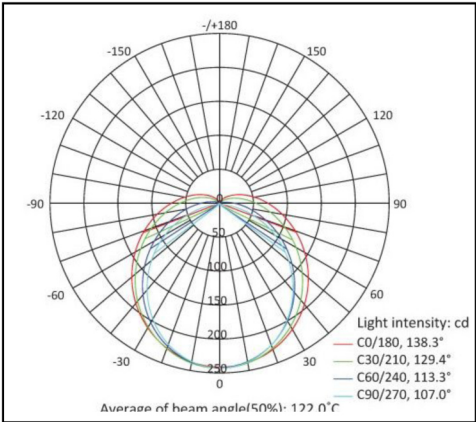


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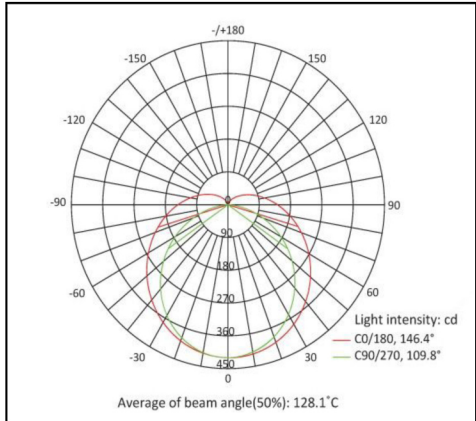
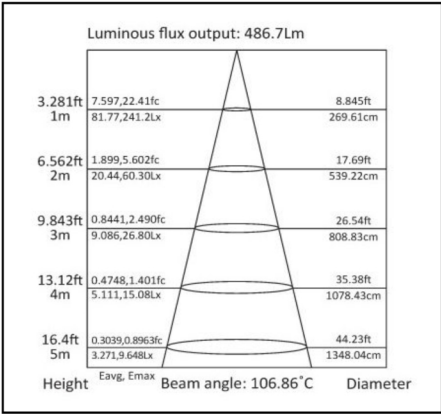


ILLUMINANCE DIAGRAM

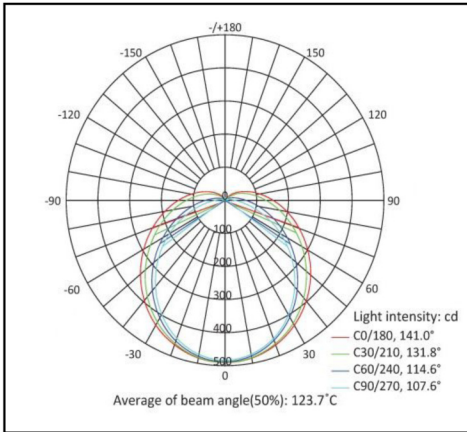
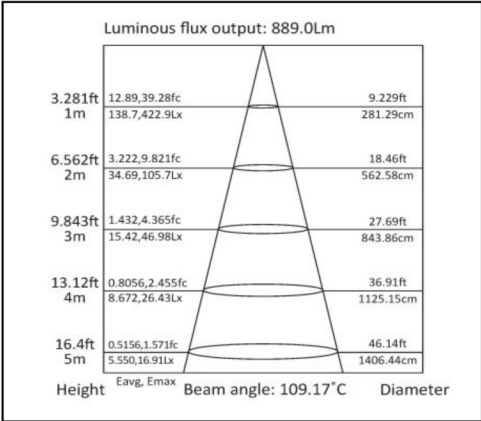
Product Luminance



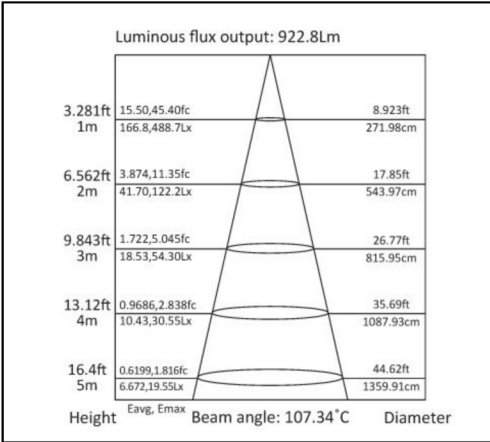
10 Watts



18Watts



22Watts

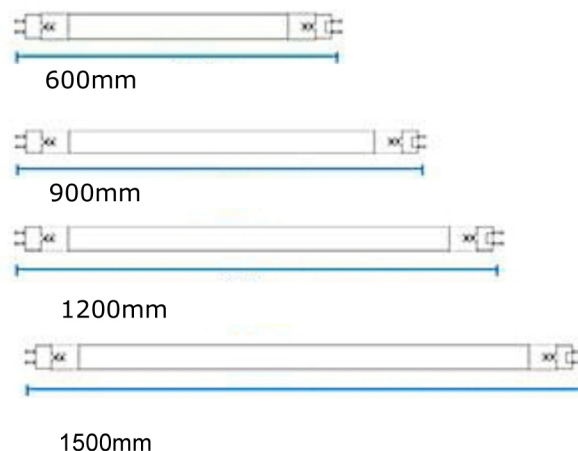
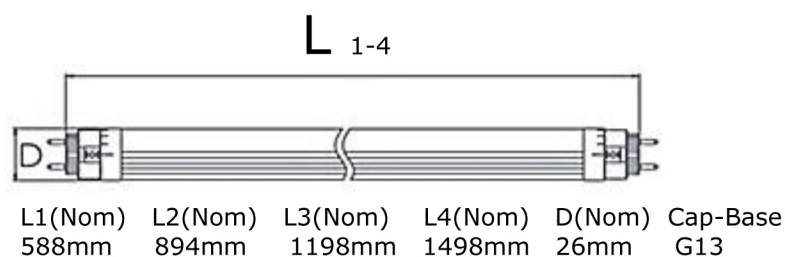


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PRODUCT DIAGRAM

PRODUCT DIMENSION



Part number	W [kg]	L [mm]	Product size [mm]
EL-T83SF10W	0.2	600	Ø28*L589
EL-T83SF15W	0.28	900	Ø28*L898
EL-T83SF18W	0.31	1200	Ø28*L1198
EL-T83SF22W	0.435	1500	Ø28*L1498

TECHNICAL DATA

Electrical characteristics:

Part number	Operating Voltage [V]	Frequency [Hz]	Power [W]	Traditional equivalent [W]	Power Factor [%]	Dimmable [Y/N]	Working temperature
EL-T83SF10W	AC175-265V	50 / 60	10	25	≥0.8	N	-20°~50°
EL-T83SF15W	AC175-265V	50 / 60	15	30	≥0.8	N	-20°~50°
EL-T83SF18W	AC175-265V	50 / 60	18	40	≥0.8	N	-20°~50°
EL-T83SF22W	AC175-265V	50 / 60	22	50	≥0.8	N	-20°~50°

Note 1: Absolute ratings @ 25°C.

Note 2: 10W,15W ,18W,22W for Hotel, Shopping mall,Residential and Meeting room.

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TECHNICAL DATA

Optical Characteristics:

Part number	color	Color Temperature [°K]	Luminescence [lm]	Lumen Efficiency [lm/w]	IP Rating	Beam angle [°]
EL-T83SF10W-CW	Cool white	6000	1000	100	IP20	120
EL-T83SF10W-NW	Nature white	4000	950	95	IP20	120
EL-T83SF10W-WW	Warn white	3000	900	90	IP20	120
EL-T83SF15W-CW	Cool white	6000	1500	100	IP20	120
EL-T83SF15W-NW	Nature white	4000	1425	95	IP20	120
EL-T83SF15W-WW	Warn white	3000	1350	90	IP20	120
EL-T83SF18W-CW	Cool white	6000	1800	100	IP20	120
EL-T83SF18W-NW	Nature white	4000	1710	95	IP20	120
EL-T83SF18W-WW	Warn white	3000	1620	90	IP20	120
EL-T83SF22W-CW	Cool white	6000	2200	100	IP20	120
EL-T83SF22W-NW	Nature white	4000	2090	95	IP20	120
EL-T83SF22W-WW	Warn white	3000	1980	90	IP20	120

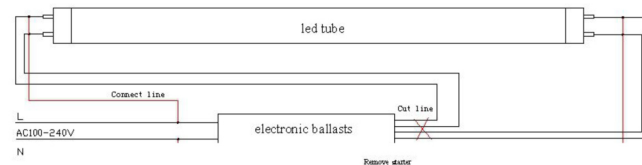
Note1: Absolute ratings @ 25°C.

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

PRODUCT INSTALLATION:

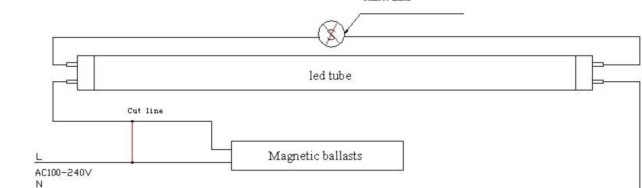
Electronic ballasts

- Step 1 Turn off power
- Step 2 Remove electronic ballasts
- Step 3 Connected the two end of tube light to L/N
- Step 4 Turn on power



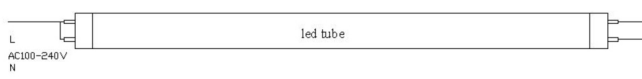
Magnetic ballasts

- Step 1 Turn off power
- Step 2 Remove magnetic ballasts and starter
- Step 3 Connected the two end of tube light to L/N
- Step 4 Turn on power



No ballasts

- Step 1 Turn off power
- Step 2 Connected the two end of tube light to L/N
- Step 3 Turn on power



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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:

Part Number	Outer Carton Size(L×W×H)[mm]	Qty/Carton [pcs]	Gross Weight [Kg]	Unit Weight [Kg]
EL-T83SF10W	660×230×220	30	10	0.2
EL-T83SF15W	960×230×220	30	12	0.28
EL-T83SF18W	1260×230×220	30	15	0.31
EL-T83SF22W	1560×230×220	30	17	0.435



OTHER LED SPACE PRODUCTS:

For more information about LED SPACE products, please visit our website :www.ledspace.ae

DISCLAIMER:

LED SPACE reserves the right to modify the design of our products as part of the company's program of continuous improvement. LED SPACE 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.

