



# SPECIFICATION

ITEM NO.: TT-144-8W-T8-K



# LED TUBE LIGHT

EDITED BY	REVISED BY	CONFIRMED BY	APPROVED BY

## Energy Saving, Environment Friendly, Long Lifespan

The LED Light LED tube light is designed to replace directly the conventional T8/T10 fluorescent tube light, with special different view angles mixed lighting design, T8 specs, inner high efficiency constant current driver, less degradation and 50,000 hours lifespan.



### A. Features of the Products

- ☀ Energy saving up to 70% to 80%
- ☀ Using environmental friendly material PC for tube
- ☀ Auto-adjusting LED brightness for energy saving and degradation
- ☀ 5-year lifespan
- ☀ Special different view angles mixed lighting design
- ☀ Instant start, no flickering, no humming.
- ☀ New inner high efficiency (85%) constant current driver, with heat protection system, can work under unstable voltage
- ☀ Special circuit design, each LED work separately, avoiding the single broken LED influence problem
- ☀ Electric wave resistant
- ☀ No fluorescent flickering
- ☀ No mercury or lead
- ☀ No RF interference

### B. Applications:

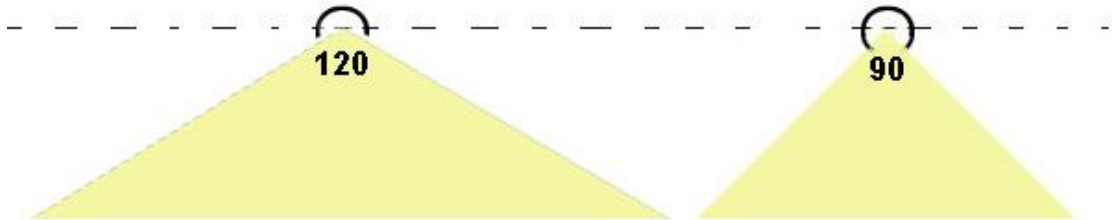
- ☀ Factories & Offices
- ☀ Hospitals & Hotels
- ☀ Schools, Colleges & Universities
- ☀ Conference / Meeting rooms
- ☀ Commercial Complexes
- ☀ Places where need energy saving and high color rendering index lighting

**C. LED's Lumen Decrease:**

Operating time(hours)	Lumen decrease(%)
1000	5-6

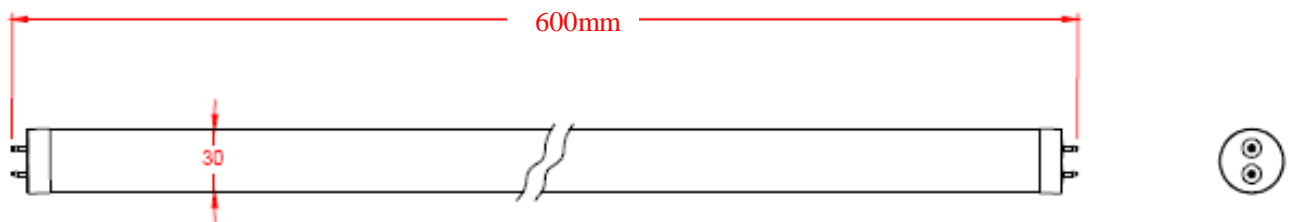
**D. Beam Angel: 90 degree or 120 degree**

**Beam Angle**



**E. Dimensions:**

**Socket : T8**



**Notice:**

- ☀ All dimension units are millimeters.
- ☀ All dimension tolerance is  $\pm 2\text{mm}$  unless otherwise noted.

## F. Parameter:

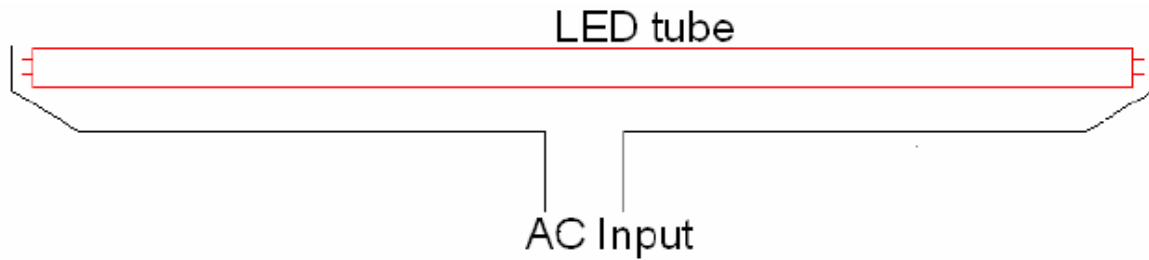
Item No.	TT-144-8W-T8-K
Equal to Conventional Tube light	25W
LED Qty	144 pcs
Input Voltage	AC90V-130V, AC200V-240V
Work Frequency	50--60HZ
Input Current	AC35mA±10mA
Luminous Flux	612-756 LM
Short Current	< 5mA
Power Factor	≥0.90
Work Humidity	> 95%
Color rendering index	84 Ra
Power Consumption	7.8-8.2W
Color Temperature	3000K to 3500K, 4500K to 5000K, 6000K to 6500K
Work Temperature	35-45°C
Storage Temperature	-30 to +45°C
Condition Temperature	-20 to+50°C
1M ILLuminance	≥220 Lux
Mcd(LED)	about 2500
Life Time	50,000 to 80,000 Hours
Dimension (without pins)	8W---590mm Φ30mm

## G. Package:

- ☀ Outer carton: 1250\*200\*200MM
- ☀ Net weight of one tube: 0.20KG
- ☀ Net weight of one carton: 10.0 KG
- ☀ Gross weight of one carton: 11.0 KG
- ☀ Quantity: 50PCS/CATRON

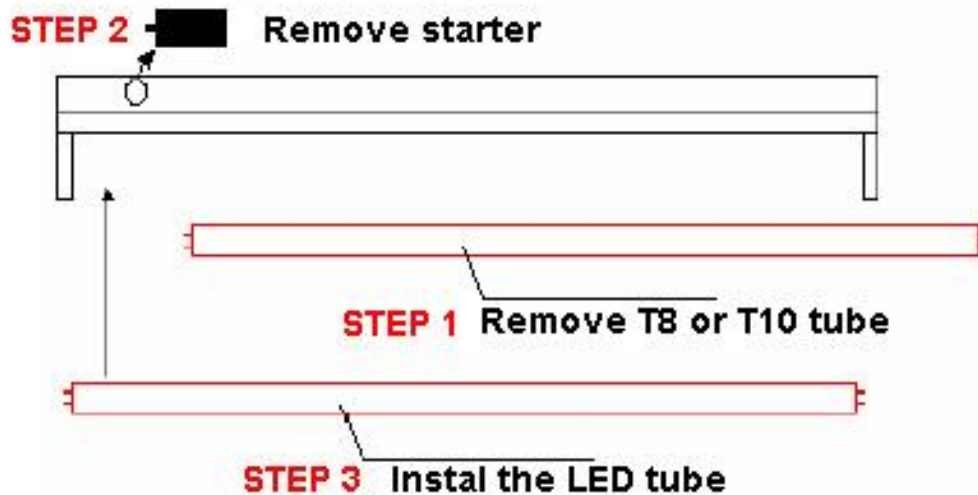


## H. Installation:

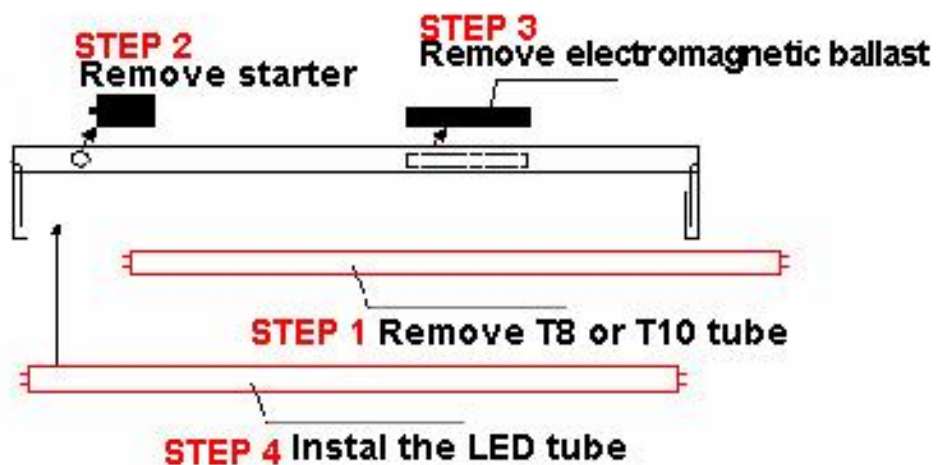


T8 LED tube light installation for replacing traditional fluorescent tube:

### Easy installation:



### Energy saving installation:



### ☀ CAUTION:

Cut off the current first and follow the steps.

## I. Working picture:



### NOTICE:

- ☀ Can be placed in conventional T8 or T10 fluorescent brackets (remove starter before replacement!)
- ☀ The tube must work under the right voltage according to the specification.
- ☀ Don't take the tube apart
- ☀ Recommend indoor use

