



SPECIFICATION

ITEM NO.: TT-312-18W-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

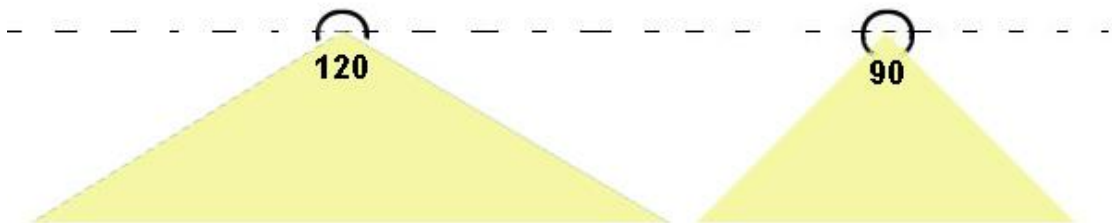
- ☀ Factories & Offices
- ☀ Hospitals & Hotels
- ☀ Schools, Colleges & Universities
- ☀ Conference / Meeting rooms
- ☀ Commercial Complexes
- ☀ Places where need energy saving and high color rendering index lighting

C. LED's Lumen Decrease

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

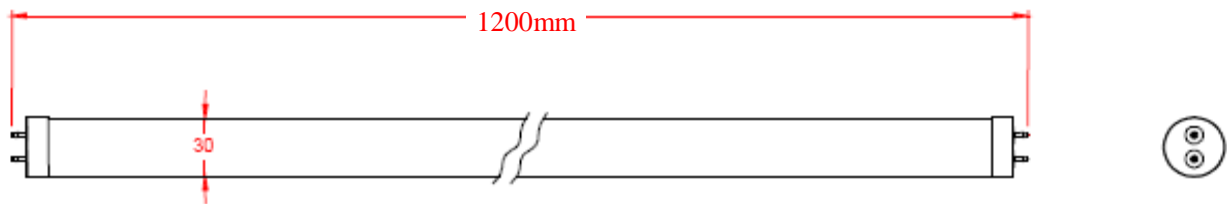
D. Beam Angel: 90 degree or 120 degree

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

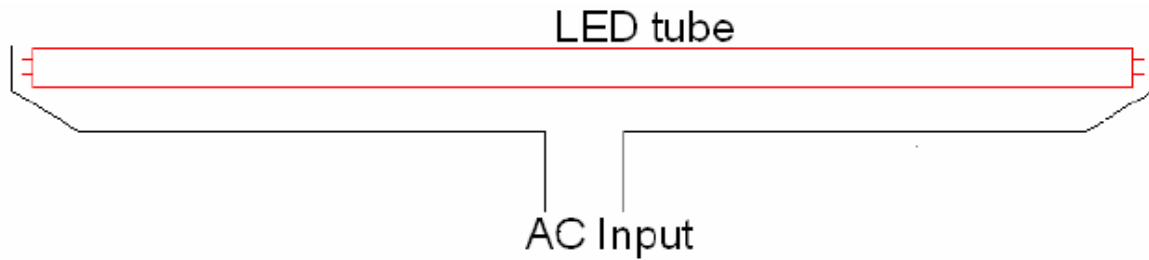
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|----------------------------------|--|
| Item No. | TT-312-18W-T8-K |
| Equal to Conventional Tube light | 45W |
| LED Qty | 312 pcs |
| Input Voltage | AC90V-130V, AC200V-240V |
| Work Frequency | 50--60HZ |
| Input Current | AC80mA±10mA |
| Luminous Flux | 1480-1680 LM |
| Short Current | < 5mA |
| Power Factor | ≥0.90 |
| Work Humidity | > 95% |
| Color rendering index | 84 Ra |
| Power Consumption | 17-18.8W |
| 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 | ≥420 Lux |
| Mcd of LED | about 2500 Mcd |
| Life Time | 50,000 to 80,000 Hours |
| Dimension (without pins) | 18W--1198mm Φ30mm |

G. Package

- ☀ Outer carton: 1250*200*200MM
- ☀ Net weight of one tube: 0.34KG
- ☀ Net weight of one carton: 8.5 KG
- ☀ Gross weight of one carton: 9.5 KG
- ☀ Quantity: 25PCS/CATRON

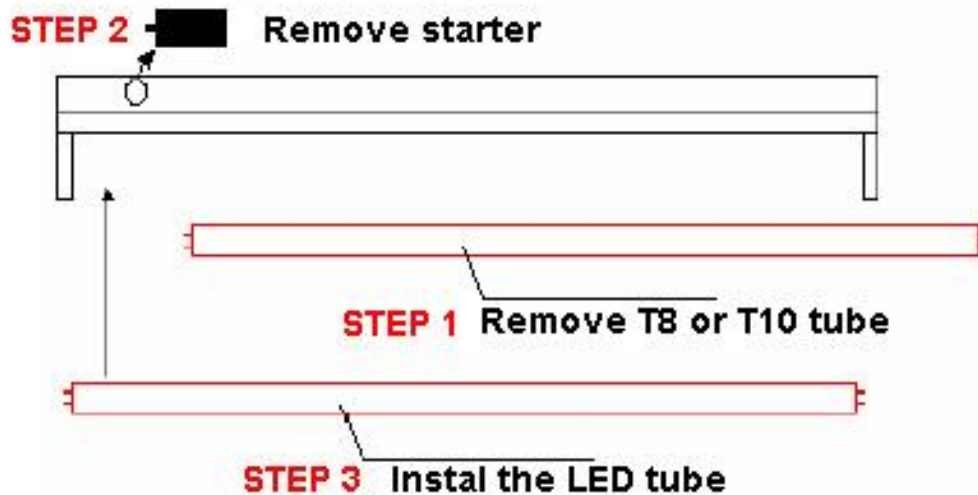


H. Installation

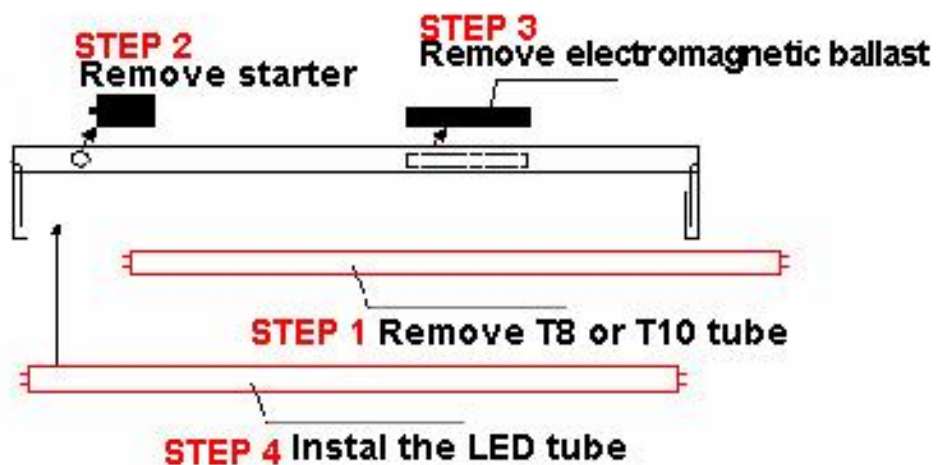


T8 LED tube light installation for replacing traditional fluorescent tube:

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

