



## LED T8 tube specification

**Item:** GNH-T8

**Dimension(mm):** L600\* $\Phi$ 26; L900\* $\Phi$ 26; L1200\* $\Phi$ 26; L1500\* $\Phi$ 26; L1800\* $\Phi$ 26; L2400\* $\Phi$ 26

**Power:** 9W; 12W; 18W; 22W; 26W; 36W

**Date:** Dec 22th, 2014





### I. Product introduction

#### Materials

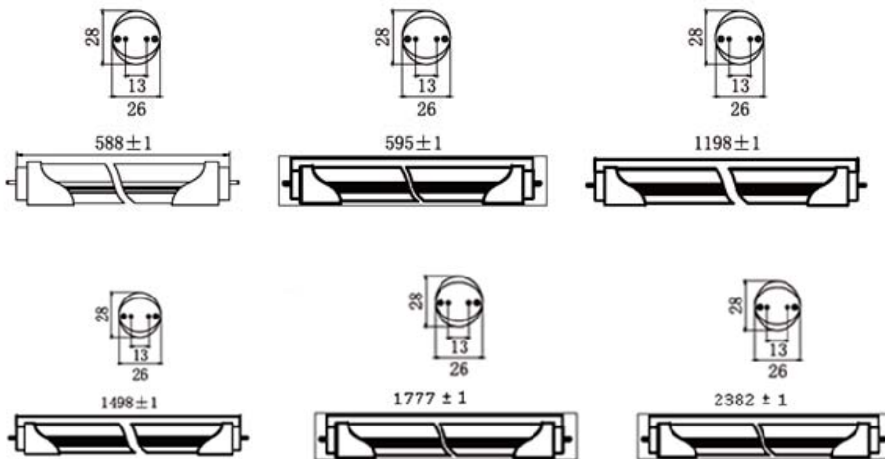
Our T8 LED tubes use transparent or milky PC cover and aluminum material, high quality SMD2835 LED light source.

#### Characteristics

1. **Energy saving.** LED tube light can save you more than 60% in energy cost compare to conventional tube.
2. **Long life and environmental protection.** LED tube light uses LEDs with long lifetime more than 50,000 hours. It has no ultraviolet radiation. It offers full environmental protection. It has no hazardous materials like mercury or lead entering the environment.
3. **Direct replacement of conventional tube.** Except for electronic ballasts, our LED tubes can directly replace conventional florescent tube, no need to remove any ballast.
4. **Good heat dissipation.** LED tubes use unique heat sinking device with good heat dissipation.
5. **Low heat.** The total power consumption is less than half of the traditional tube. The surface temperature will be less than 50 degrees while it is in normal use.
6. **Constant current driver.** New internal high efficiency constant current driver with thermal and short circuit protection system can work under unstable voltage (voltage range is AC85V-265V) with minimum maintenance and insures that every LED operates steadily and within parameters.
7. **Healthy to eyes.** Instant start, no flickering, no humming. Aluminum isolation avoids EMC electronic wave disturbance.
8. **Variety of designs and constant innovation.** We manufacture standard and dimmable LED tubes, sound and movement activated dimmable LED tubes in different lengths.

## II. Specifications, parameters

### 1. Dimensional Drawing:



All dimension units are millimeter.

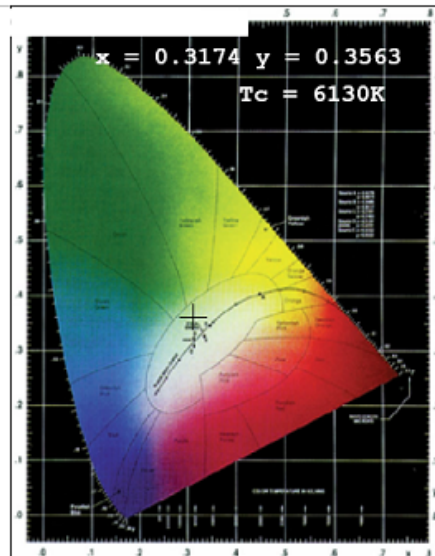
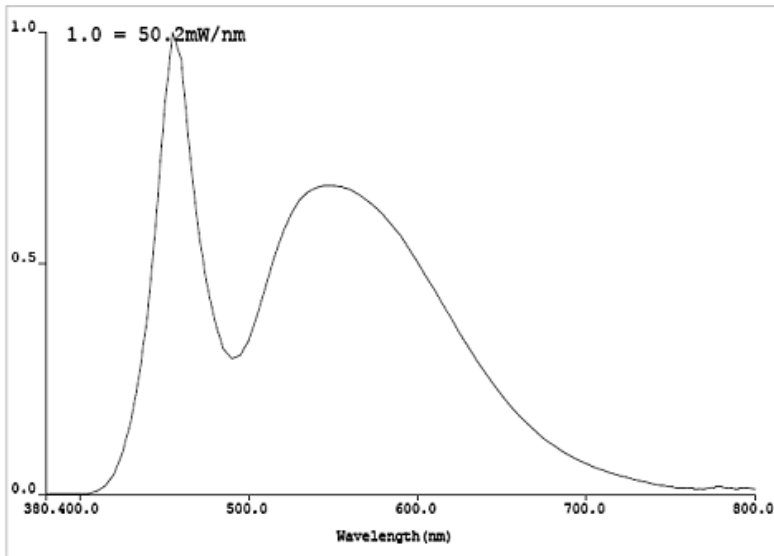
All dimension tolerance is  $\pm 1$ mm unless otherwise noted.

### 2. LED lighting technical parameters (\*\*\*) Note: Different CCT LEDs has different optical properties. The deviation is less than 5%(\*\*\*)

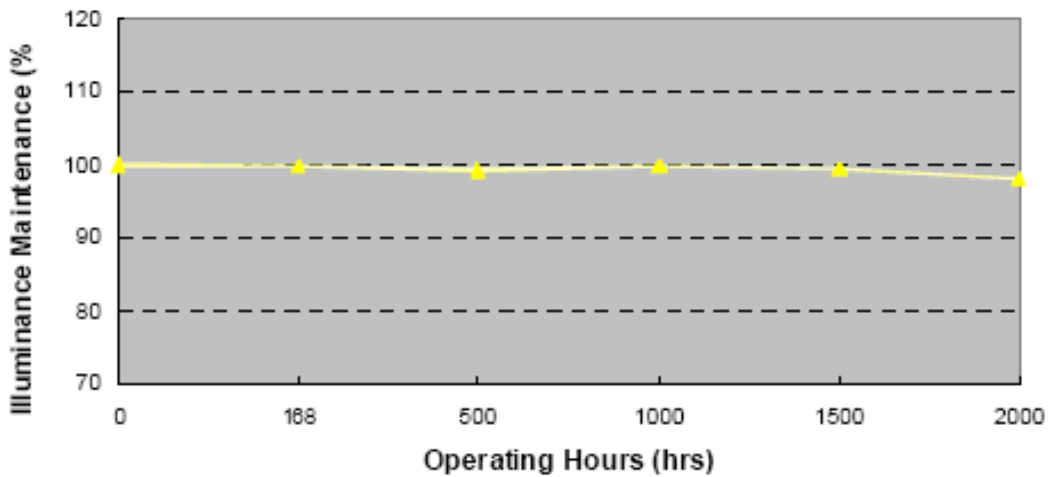
Model No.	LED No. (pcs)	Voltage(AC)	Size (MM)	Power	CCT	LED style	Flux(LM)	Beam angle	CRI
GNH-T8-60 -48-9W	48	100-240V	L600* $\Phi$ 26	9W	2800-6500K	2835SMD	750-900	120°	70-80Ra
GNH-T8-90 -72-12W	72	100-240V	L900* $\Phi$ 26	12W	2800-6500K	2835SMD	1250-1400	120°	70-80Ra
GNH-T8-12 0-96-18W	96	100-240V	L1200* $\Phi$ 26	18W	2800-6500K	2835SMD	1650-1850	120°	70-80Ra
GNH-T8-15 0-120-22W	120	100-240V	L1500* $\Phi$ 26	22W	2800-6500K	2835SMD	2100-2200	120°	70-80Ra
GNH-T8-15 0-180-26W	144	100-240V	L1800* $\Phi$ 26	26W	2800-6500K	2835SMD	2450-2600	120°	70-80Ra
GNH-T8-15 0-240-36W	192	100-240V	L2400* $\Phi$ 26	36W	2800-6500K	2835SMD	3200-3300	120°	70-80Ra



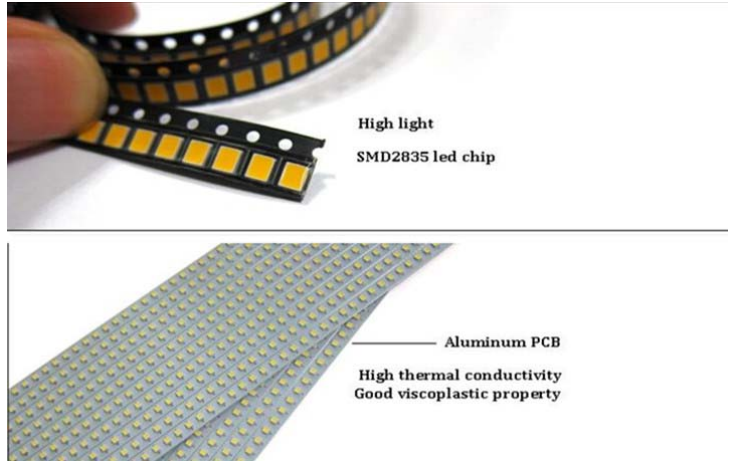
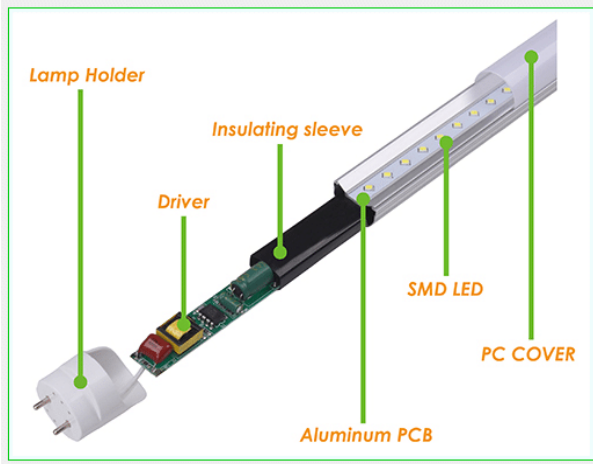
3. Photometric drawing (just for reference)



Illuminance Maintenance

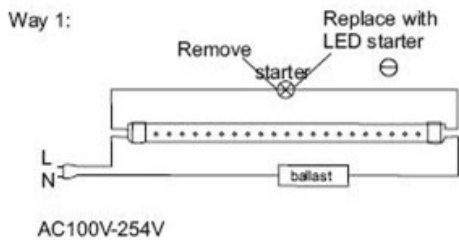
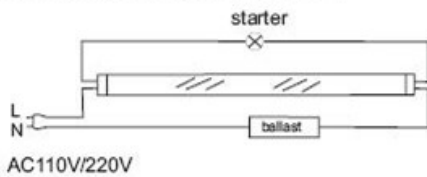


#### 4. External Structure:



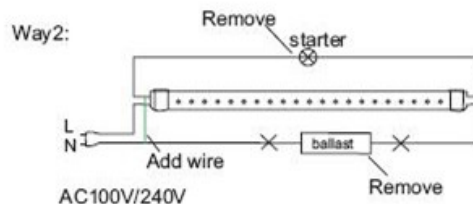
#### 5. Installation

##### 1. Inductive Fixture (Magnetic Ballast)



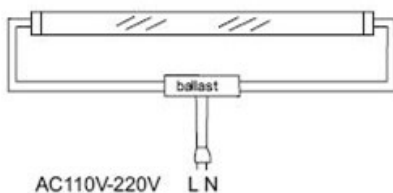
Turn off the power, remove fluorescent tube remove fluorescent starter and replace with LED starter. Place LED tube into position.

A: Traditional fluorescent tube with inductive fixture. (Magnetic Ballast)

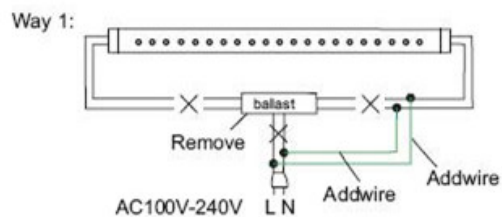


Turn off the power, remove fluorescent tube and fluorescent starter. Bypass magnetic ballast(Qualified Electrician ONLY). Replace with LED tube.

##### 2. Electronic Fixture (Electronic Ballast)



B: Traditional fluorescent tube with electronic fixture. (Electronic Ballast)

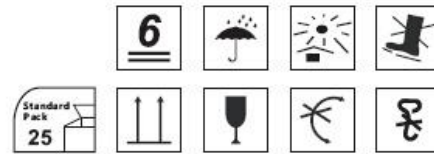


Turn off the power, remove fluorescent tube. Qualified Electrician needs to bypass or remove the electronic ballast, reconnect for single ended power input, and then replace with LED tube.

**6. Packing details**

Part No.	Package dimension	Gross Weight
T8-60	650X215X223mm , 25pcs/carton	7.90kg
T8-90	950X215X223mm , 25pcs/carton	10.60kg
T8-120	1260X215X223mm , 25pcs/carton	12.90kg
T8-150	156X215X223mm , 25pcs/carton	14.80kg
T8-180	186X215X223mm , 25pcs/carton	21.00kg
T8-240	246 X215X223mm , 25pcs/carton	25.50kg

Corrugated carton + EPE cotton



## 7. Applications

Direct replacement for conventional fluorescent light, applicable to Indoor lighting such as home, villa, restaurant, hotel, lobby, show room, shop window, conference and meeting rooms, factories and offices, institution buildings, underground parking area, schools, colleges & universities, hospitals, places where there is a need for energy saving and high color rendering index lighting.

