



LED T8 Microwave sensor tube specification

Item: GNH-T8

Dimension(mm): L600*Φ26; L900*Φ26; L1200*Φ26; L1500*Φ26;

Power: 9W; 12W; 18W; 23W;

Date: Jan. 14th, 2015



I. Product introduction

General introduction:

T8 Microwave Sensor led tube, radar sensor led tube is a new technology for parking lot, station, subway, airport.

we also called it radar sensor led tube, garage sensor led tube, parking lot led lighting etc.

Advantage of LED microwave induction T8 tube radar sensor LED light.

1. New technology, sensor and smart IC are integrated inside tubes, no need additional ballast.
2. Special internal isolated power supply design, available from 9W to 23W, adjustable in delaying time, sensor area, Min watt. 100% high voltage- resistance test, more safe.



3. No ambient temperature nor noise interruption like PIR or voice-controlled, sensor area at least 10m.
4. Special gridding circuit design, any individual LED failure will not cause other LEDs working.
5. Saving up 90% more than fluorescent tube, 60% more than normal LED T8.

Principle of Radar LED sensor tubes light 9W(2FT), 14W(3FT), 18W(4FT), 23W(5FT),

1. Radar controlled, test ambient movement intelligently, auto-adjust work state.
2. When you are driving a car closer and closer(5-10meters, adjustable), auto-sensor receive signal and transmit to let light fully work at 18W, its illumination equals to 40W fluorescent.
3. After your car parked and you left, auto-sensor will automatically turn down at 4-5W(adjustable) for energy saving.

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 fluorescent 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

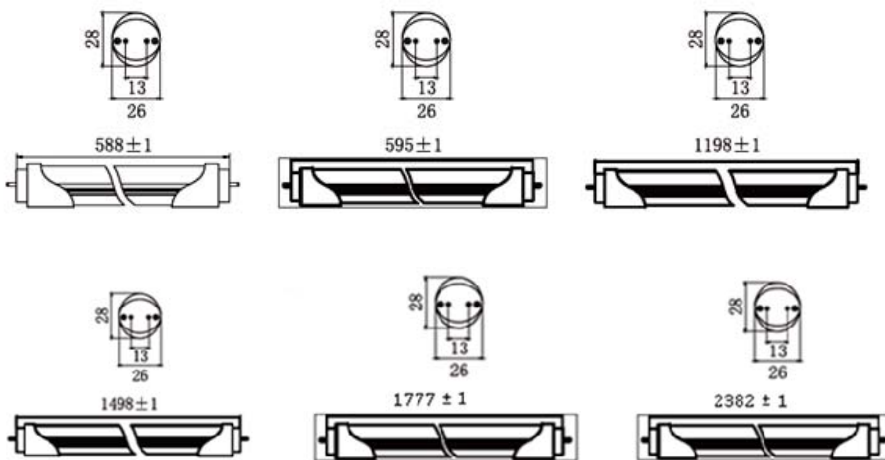
maintenance and insures that every LED operates steadily and within parameters.

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:



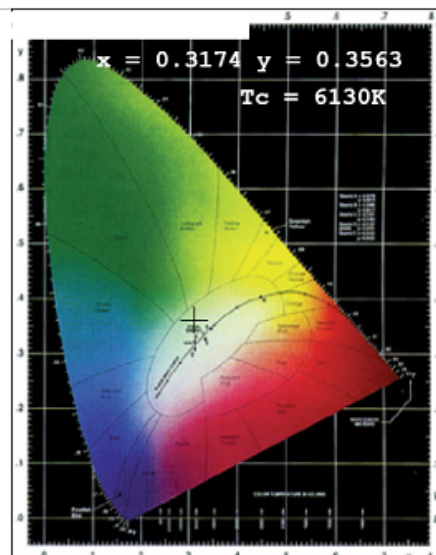
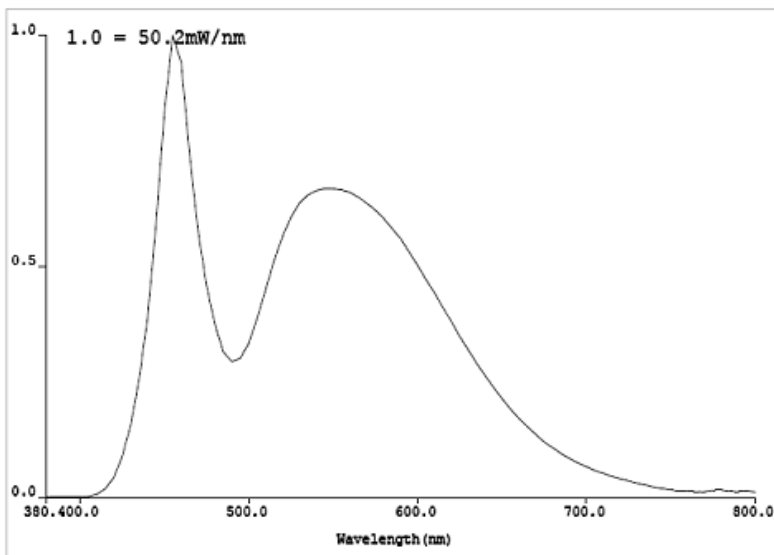
All dimension units are millimeter.

All dimension tolerance is ± 1 mm unless otherwise noted.

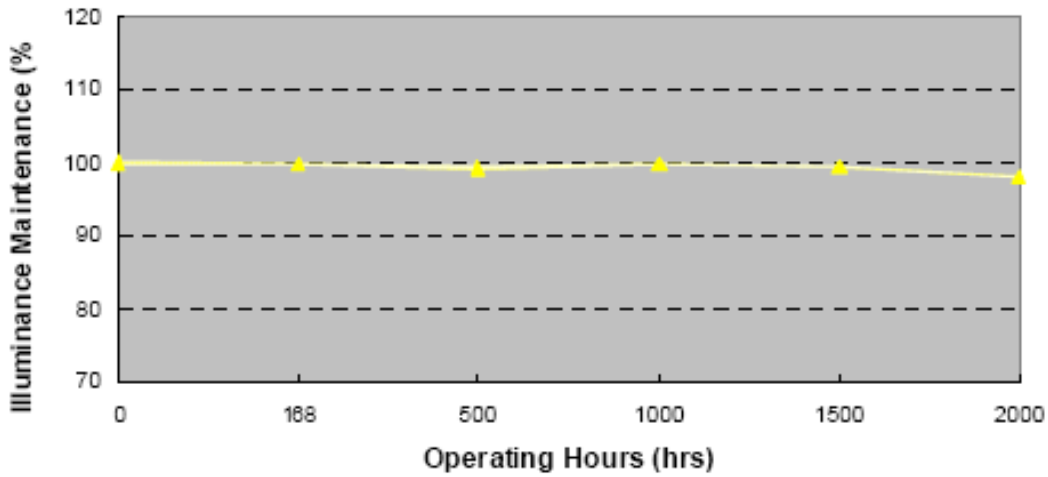
2. LED lighting technical parameters (***) Note: Different CCT LEDs has different optical properties.
The deviation is less than 5%(***)

Model No.	LED No. (pcs)	Voltage(AC)	Size (MM)	Power	CCT	LED style	Flux(LM)	Beam angle	CRI
GNH-T8-60-48-9W MW	48	100-240V	L600*Φ26	9W	2800-6500K	2835SMD	750-900	120°	70-80Ra
GNH-T8-90-72-12W - MW	72	100-240V	L900*Φ26	12W	2800-6500K	2835SMD	1250-1400	120°	70-80Ra
GNH-T8-120-96-18W-MW	96	100-240V	L1200*Φ26	18W	2800-6500K	2835SMD	1650-1850	120°	70-80Ra
GNH-T8-150-120-23W-MW	120	100-240V	L1500*Φ26	23W	2800-6500K	2835SMD	2100-2200	120°	70-80Ra

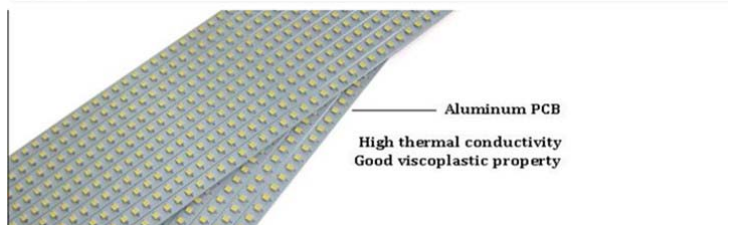
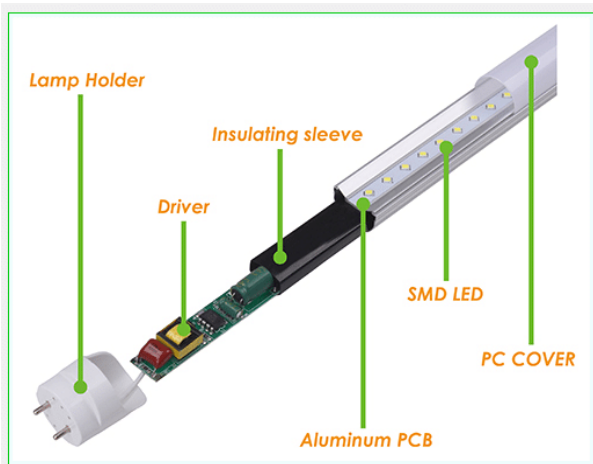
3. Photometric drawing (just for reference)



Illuminance Maintenance

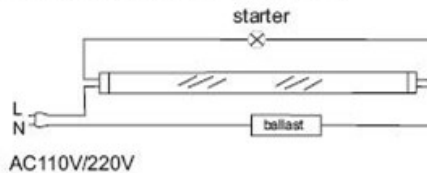


4. External Structure:

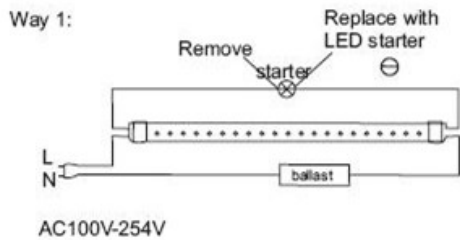


5. Installation

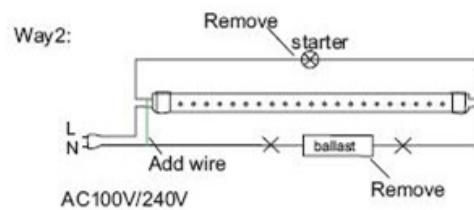
1. Inductive Fixture (Magnetic Ballast)



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

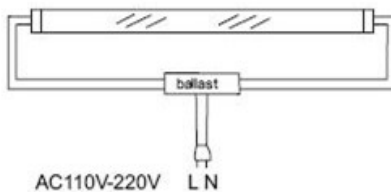


Turn off the power, remove fluorescent tube remove fluorescent starter and replace with LED starter. Place LED tube into position.

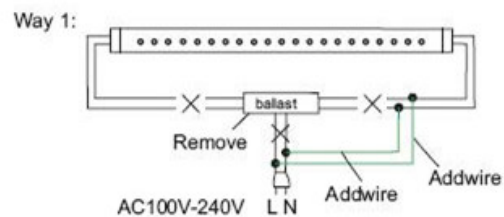


Turn off the power, remove fluorescent tube and fluorescent starter. Bypass magnetic ballast (Qualified Electrician ONLY). Replace with LED tube.

2. Electronic Fixture (Electronic Ballast)



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

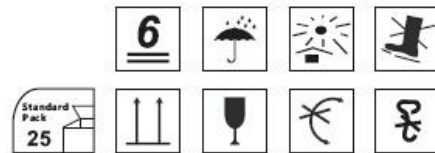


Turn off the power, remove fluorescent tube. Qualified Electrician needs to bypass or remove the electronic ballast, reconnect for single ended power input, and then replace with LED tube.

6. Packing details

Part No.	Package dimension	Gross Weight
T8-60	650X215X223mm , 25pcs/carton	8.10kg
T8-90	950X215X223mm , 25pcs/carton	10.80kg
T8-120	1260X215X223mm , 25pcs/carton	13.10kg
T8-150	156X215X223mm , 25pcs/carton	15.00kg

Corrugated carton + EPE cotton



7. Applications

- *. Car Parks.
- *. Staircases.
- *. Corridors.
- *. Walkways.
- *. Lobbies.

