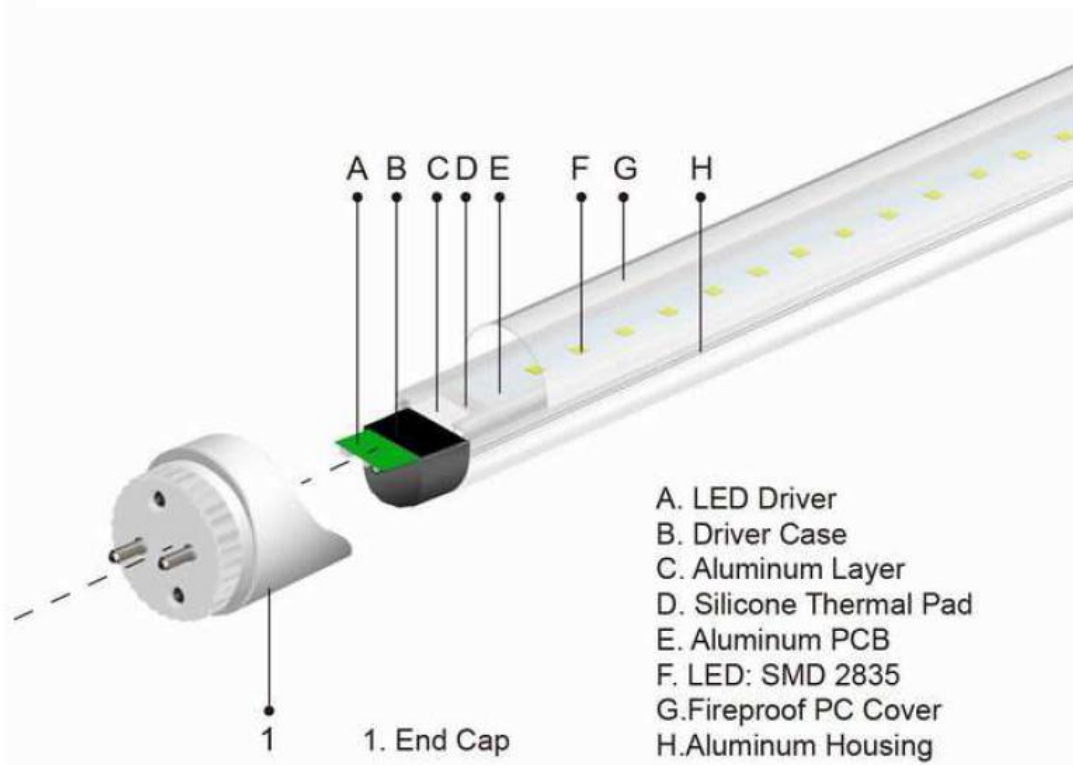


PRODUCT SPECIFICATION

18W LED T8 Tube Light



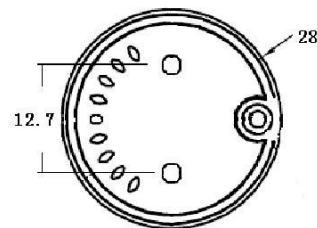
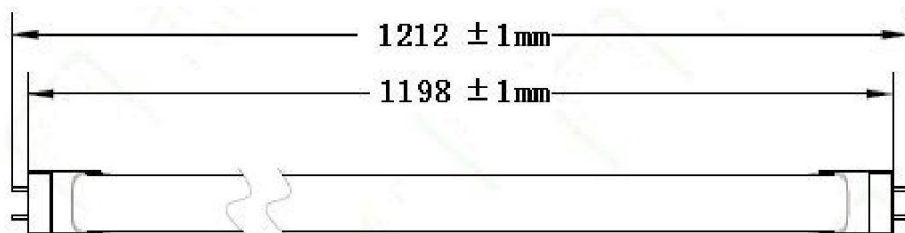
Features:

- **High brightness Epistar LEDs:** high light efficiency, single row chip base, light radiating uniformly in 140 beam angle with no dark zone.
- **Long and predictable lifetime:** 50,000hrs lifespan exceeds even the highest quality fluorescents
- **Extreme Efficiency:** Over 80% more efficient than traditional fluorescents
- **Separate power supply:** designed and produced by ourselves, good for heat dissipation and easy to replace
- **Flicker-Free Lighting:** Eliminate eye strain and headaches compared with fluorescents lighting
- **Shatter-Proof Design:** Will not break even if dropped
- **Double Energy Savings:** LED tube requires no ballast saving even more energy
- **No mercury Inside:** Allows the use of lighting when mercury contamination is not an option
- **Low lumen depreciation:** Almost “Zero” after 3000-hour continuous aging test.
- **Flexible Voltage:** AC 100-240V Input voltage
- **Easy and safe to install and replace:** can be used to directly replace conventional fluorescent tube with magnetic ballast and starter.
- **No Interference:** Perfect for settings where precise instruments can be disturbed by fluorescent
- **Instant Starting:** Starts right away no matter the temperature or conditions
- **Length of tube:** 0.6m/1.2m available.
- **PC cover:** High quality PC material, transparent/frosted/striped cover available.
- **Installation:** Convenient and easy to install, greatly save labor fees

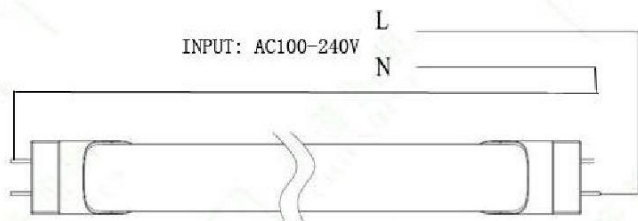
Features

ITEM	Specifications
Power	18W \pm 5%
Input voltage	AC100~265V
Input Frequency	47~63Hz
Input current	0.3Amax
Power Factor	\geq 0.9
I-THD	\leq 20%
Operating Temperature	-20~40°C
Storage Temperature	-40~80°C
IP rate	IP54
LED Quantity	96pcs
Beam Angle	140 degree
Lumen Flux	1960 \pm 10lm
Color Temperature	2700K-6500K
Lifespan	50000hrs

Dimensions



Assembly Technology Drawing



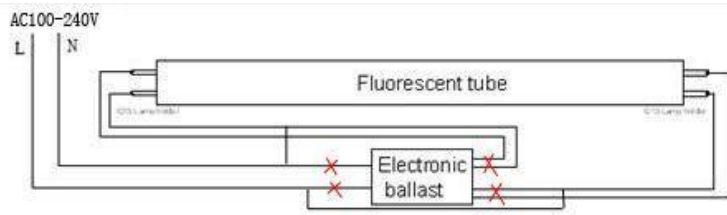
6. Instruction of wiring

✂Method one: Replace tube lights with electronic ballast(remove the electronic ballast)

- 1) Turn off the power to the light fixture before installation
- 2) Open the diffuser of the light fixture
- 3) Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
- 4) Open the wiring cover and expose the electronic ballast.

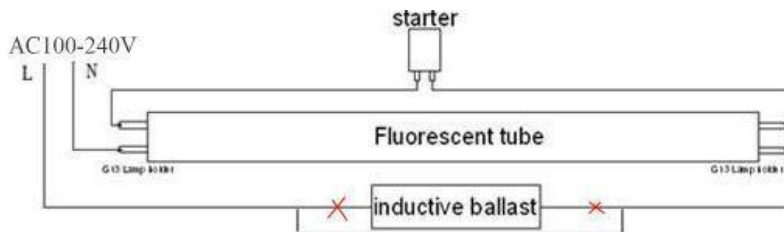
5) Cut the wire as the picture. Do not remove the ballast, Keep it in the same place.

See figure 2



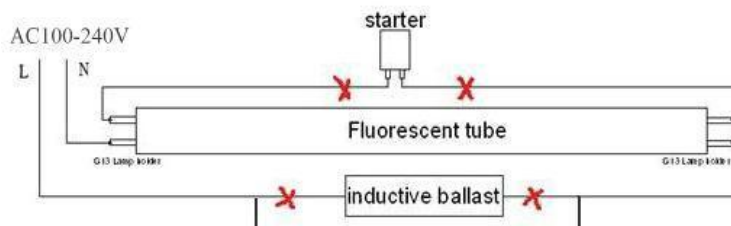
✂Method two: Replace traditional fluorescent lamp

See figure 3



5) Cut the wire as the picture. Do not remove the ballast, keep it in the same place.

6) See figure 4



7. Test Report

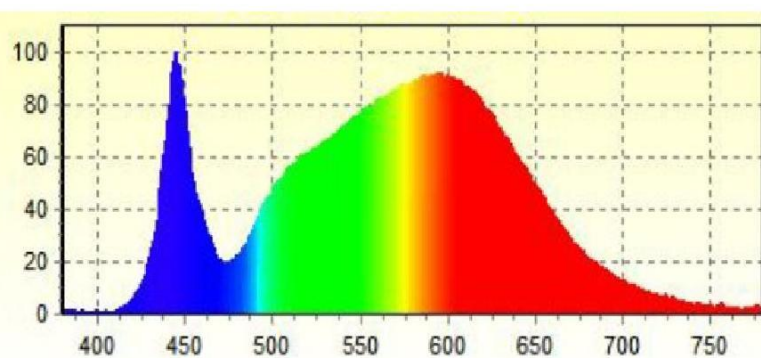
7.1 Electrical data

Item	Result
Input Voltage	120V~60Hz
Input Current	0.151A
Total Power	17.810w
Power Factor	0.984
I-THD	17.23%

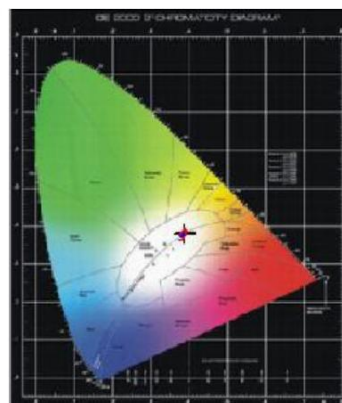
7.2 Photometric data

Item	Result
Total Lumens	1931.62lm
Luminaire Efficacy	108.46m/w
Color Rendering Temperature	4077K
Color Rendering Index	80.6

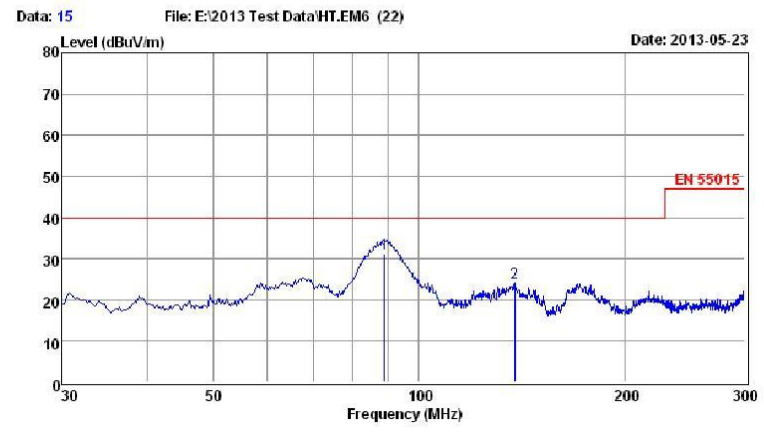
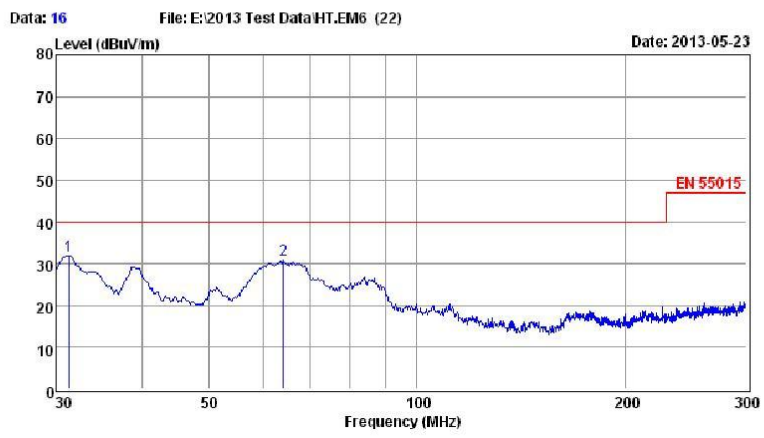
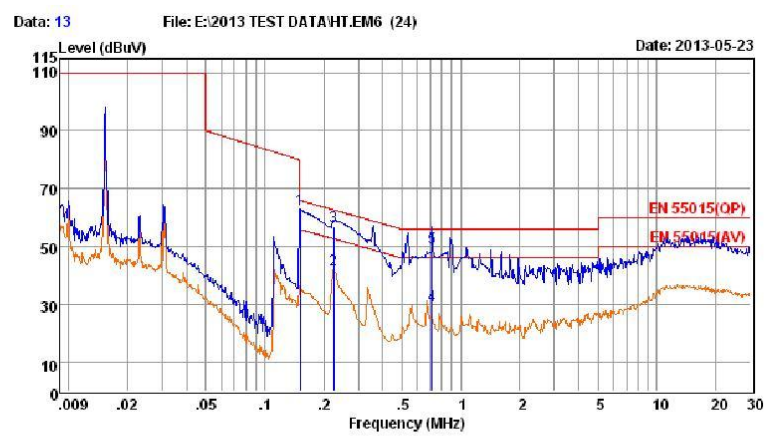
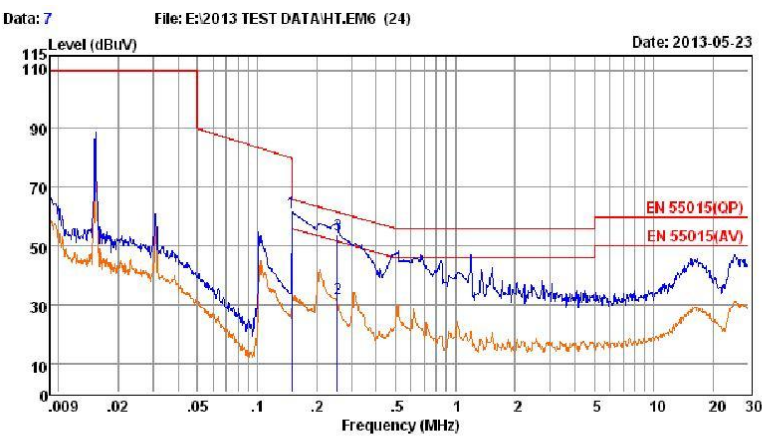
7.3 Spectral Distribution



7.4 Chromaticity Diagram



7.5 EMC data



1. Products Application Cases

Homes, villas, hotels, beauty salon, cafes, supermarkets, shopping malls, stores, museums, libraries, factory, office, workshop, warehouse, parking lot, advertising housing, cars, trains, ships, vehicles, etc..