Characteristics of T8 LED tubes

T8 LED tubes have Long lifespan,
and environment friendly.

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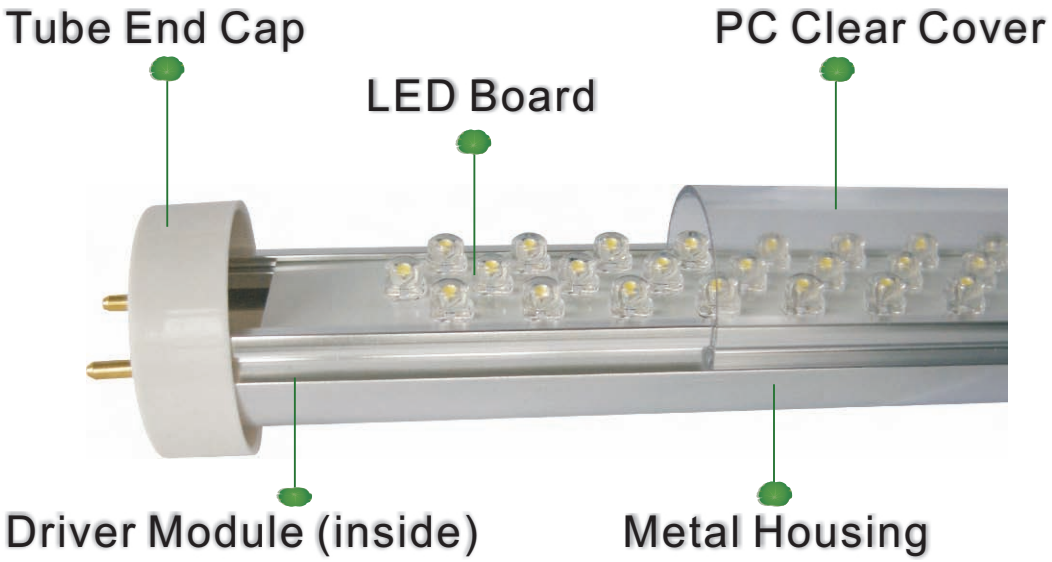
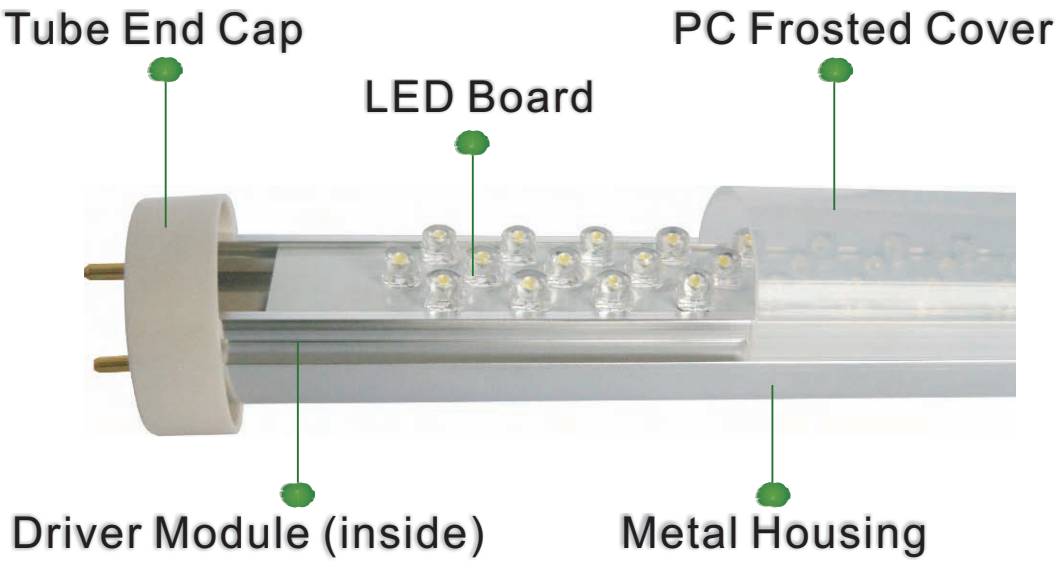
Components & Material

Basic Parameter Sheet

Wattage	Working Voltage	Lumens	Central Lux	CRI	Lighting Angle	Replaces
17W	AC 100V-277V AC/DC 12V	1650LM	60-120 Lux/3m	>75	60, 90-120, 160degree	32-45 watt T8 Fluorescent





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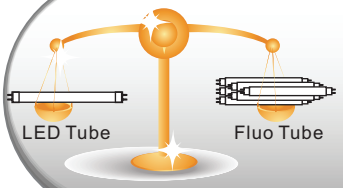
Advantages

LED light brings lots of convenience to our life, Long lifespan, energy saving, no UV, RGB color, dimmable, no radiation,no mercury,and so on.



Long lifespan.
LED light last greater than 50,000 hours, which is several times or even several decades of times than the life span of ordinary lighting source.

Energy-saving.
60% energy saving than traditional light, and no need to maintenance

High pure, vivid color.
LED products cover all range of visible spectrum, and the color is very vivid. The traditional way to get the multicolor light is adding the light filter to the incandescent bulb, but it greatly reduce the luminous efficiency.

No Strobe.
It can start up no time delay, no environment temperature limited, and it is available for transient start up in millimeter seconds.

No UV.
The wave length of LED light belong to Red, Green and Blue, they are from 450nm to 650nm; The wave length of UV is from 100nm to 400nm.

No radiation

No Mercury

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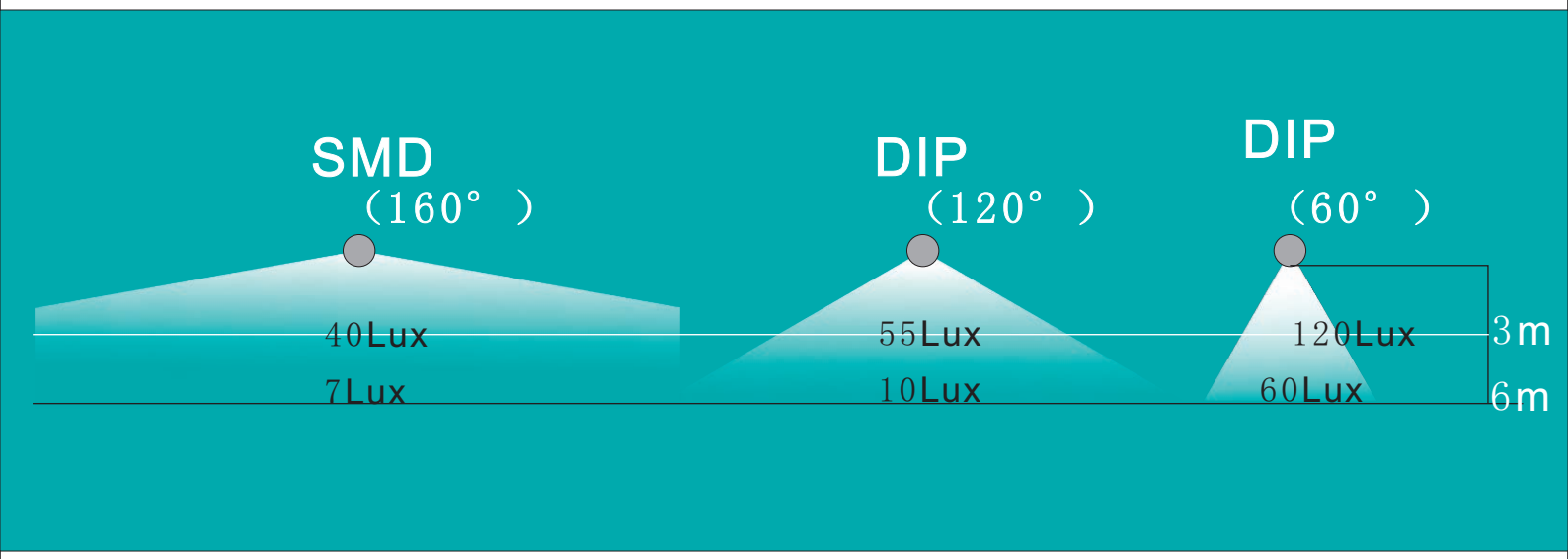
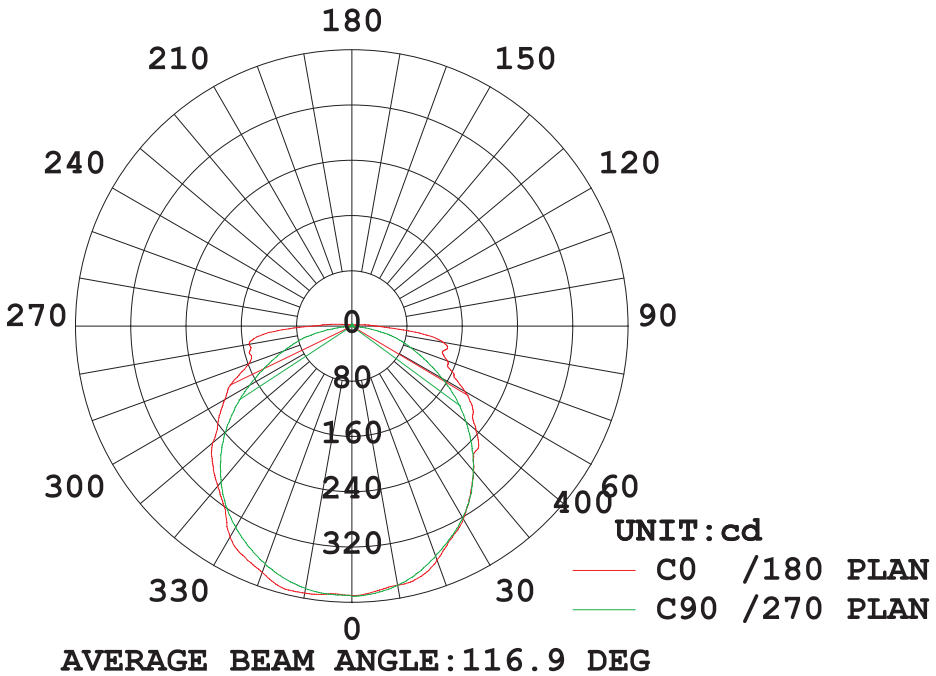
Light Distribution

LED has high luminous in tensity,high efficient luminous flux output.
The angle of LED can be changed, it brings high directional light output.



TOTAL FLUX: 1587.5lm



AVERAGE BEAM ANGLE:116.9 DEG

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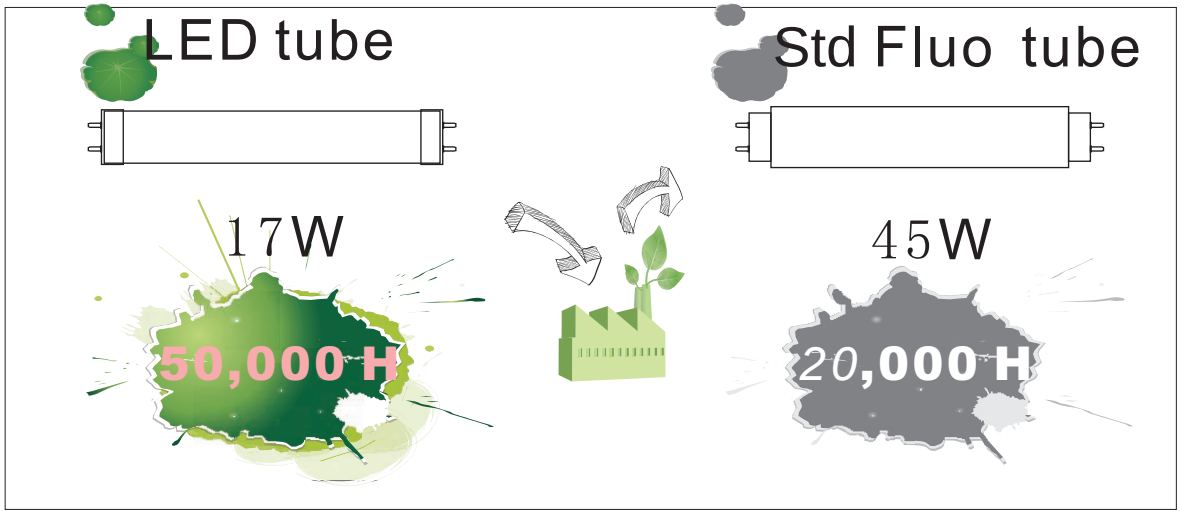
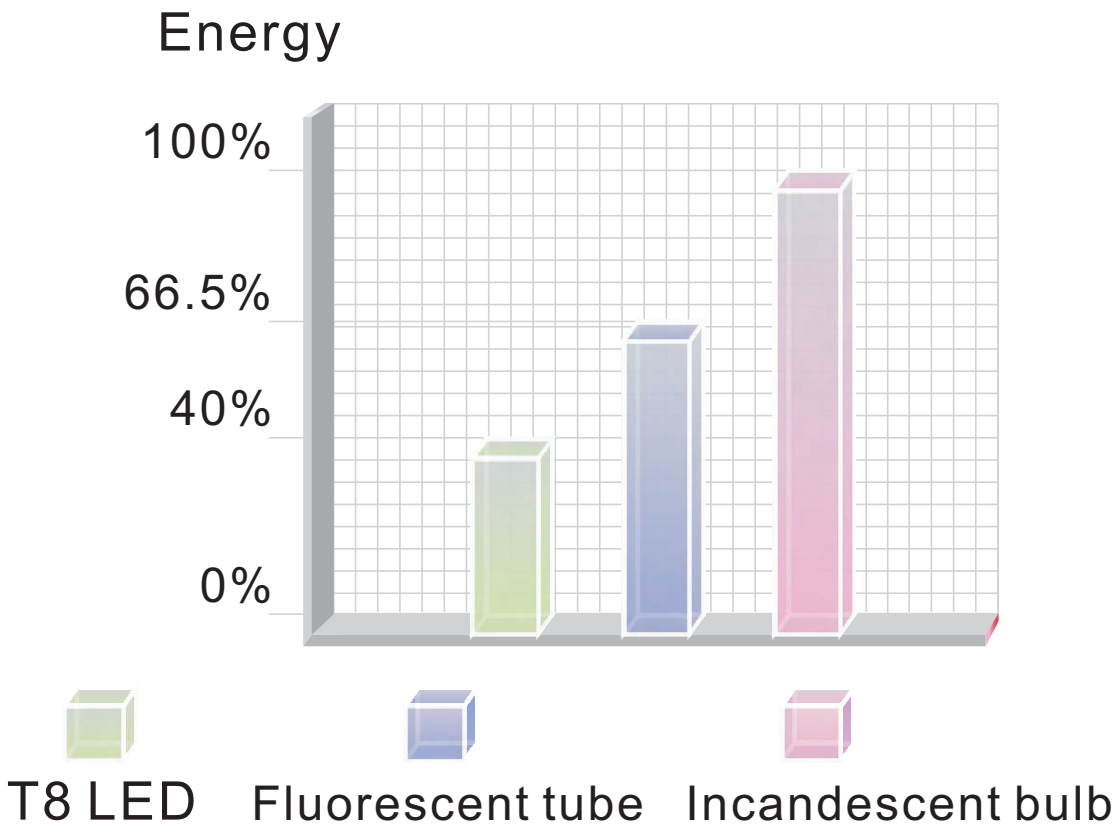
The Reference of Replacement



T8 LED tubes saves 60% energy compared with incandescent bulb.

It also saves 40% energy compared with traditional fluorescent tubes.



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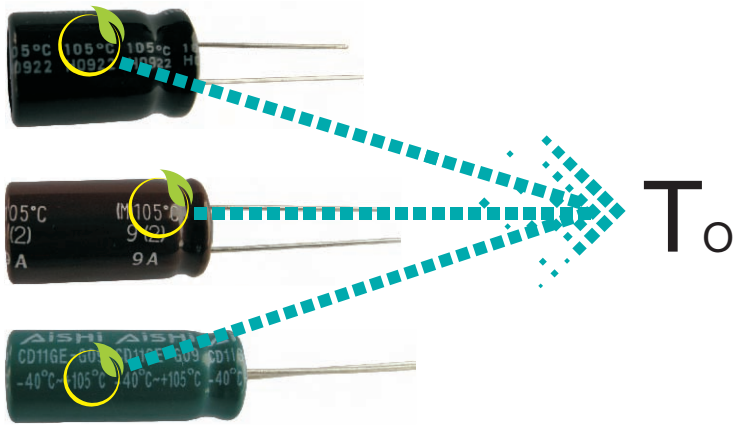
Electrical Components

Aluminum electrolytic capacitor
—— The component with the highest risk of lifespan



$$L_X = L_O \times 2^{\frac{T_O - T_X}{10}} \cdot K_1 + K_2$$

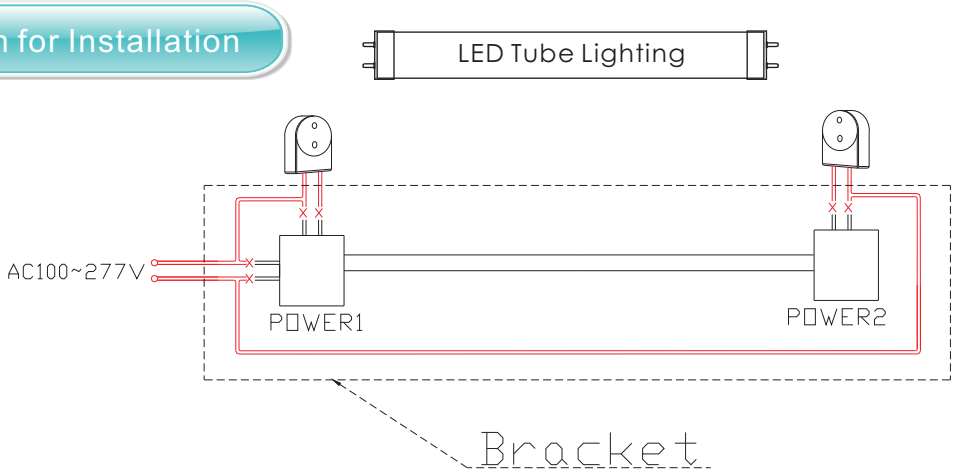
L_X Life span (hour)
L_O Rated life span in High temperature (H)
T_O Rated High temperature (℃)
T_X Component temperature (℃)
K_1 Normal equal 1
K_2 Normal equal 0

$$L_X = 8000\,H \times 2^{\frac{105^\circ C - 80^\circ C}{10}}$$

$$\approx 46000\,H$$

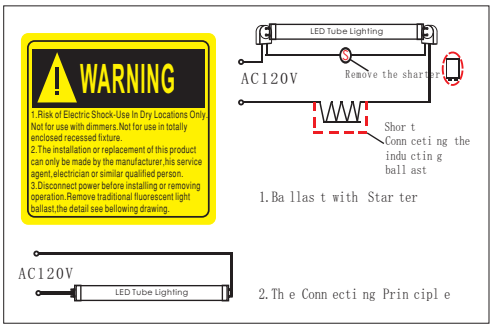
Installation & Package

Instruction for Installation



Warning Label for Application

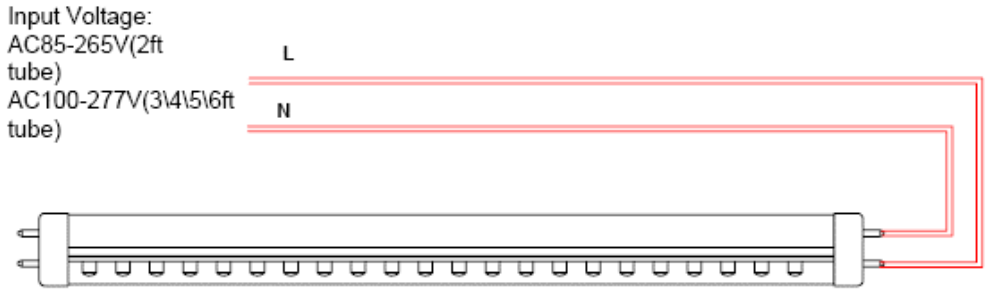
7.4X4.8cm



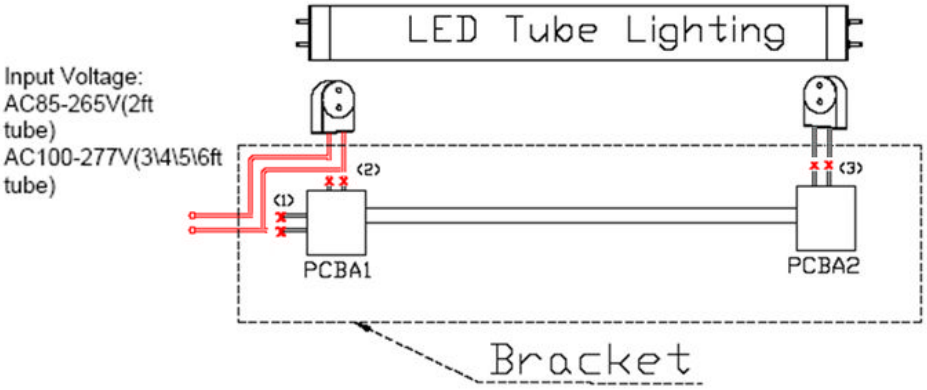
Package

LED Tube Light Installation Instruction
Voltage input from one side

1. The principle of the installation for the LED tube light which connect the power supply from one side of the end cap, please see below,



2. This tube install to the conventional bracket, please see below,



Operation,

1) Cut off power first, take out the fluorescent tube light,

2) Remove the ballast pan cover,

3) Cut off the bracket's two power supply cords. As the position (1) of above picture, Cut off the four cords which are connected with the two ends, as the position (2)\(3)in the picture.

4) Connect one power supply cord into one pin in one end of the bracket, connect the other power supply cord to the other pin in the same end of the bracket. Please notice that there is current in the red part as the pictures after power on.

5) Use the electric rubberized fabric to bandaging well all the parts which were cut in the cord. This is to prevent short circuit and electronic shock.

6) Reinstall the ballast pan cover, and power on.

Certifications & Testing

Certifications

c UL US LISTED

ISO9001:2000

OHSAS 28001-2001

c ETL US LISTED

Intertek 3187436

CETL for 4ft LED tube light (UL 1993 standard)

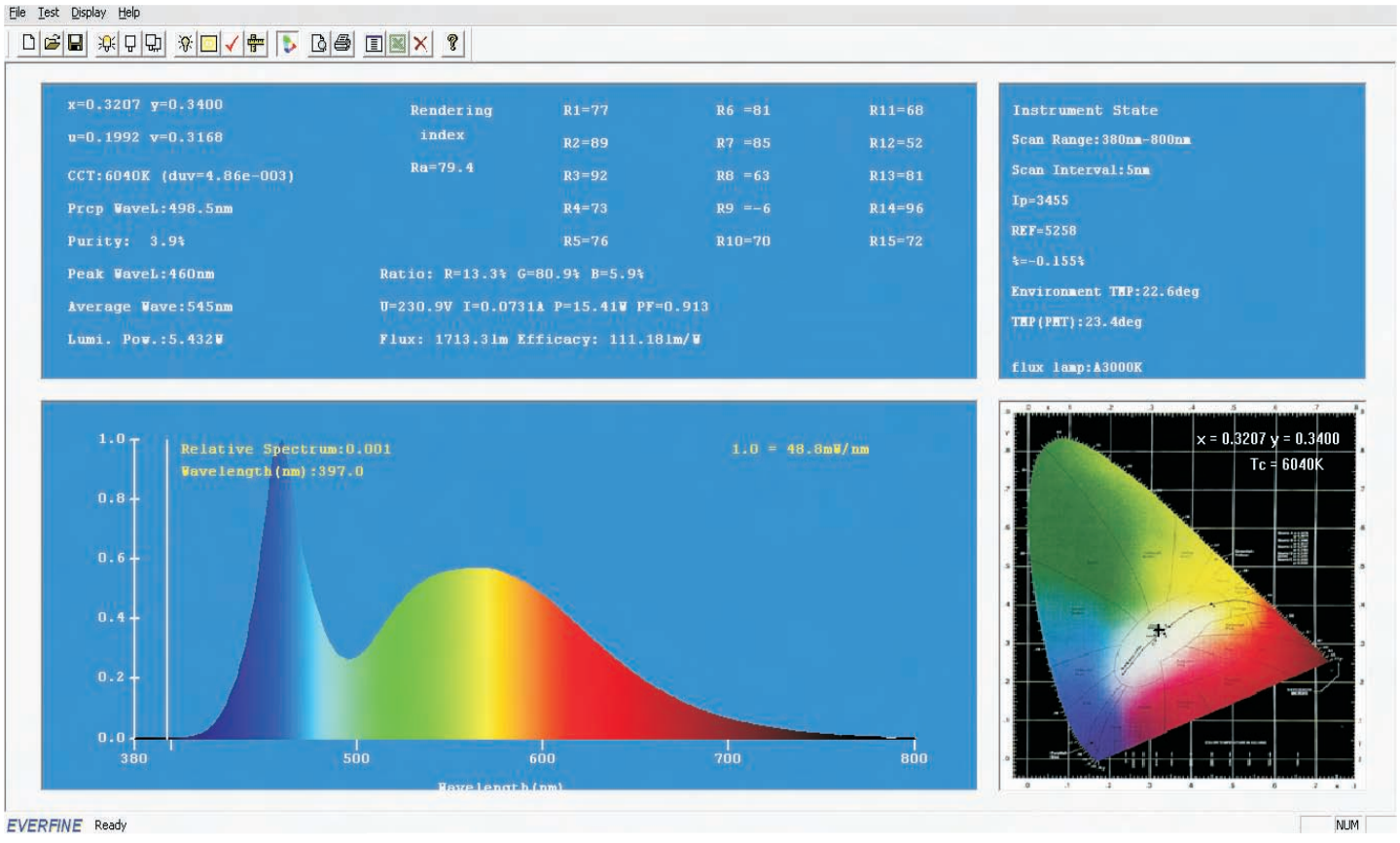
We are one of the first companies to obtain certification CETL.

HSPM QC 080000

CE FC RoHS GSV

ISO14001:2004

Spectrum Chart



Manufacture & Test Instrument

Temperature and Humidly Survive

Optics Spectrometer

Component UL Testing

Package Survive Testing

SMT

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Applications

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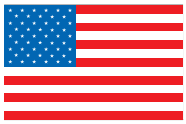
Nations in Sales

By now, our products have been in all of the world, and they are very popular. Some of main countries are: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