

M00310-Series Tube

NEW GENERATION T8 LOW GLARE • 95lm/W • CRI>80

LED T8
T8 100% LED
100% LED
FC
CE
RoHS



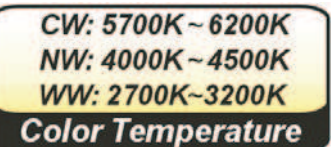


■ Why Choose M00310





M00310 Series T8 Tube, New Generation T8, Non-Glare, CRI>80, 96lm/w



Model Number	SHELL Type	Luminous Flux (lm)			Dimension (length)	LED Q'ty	Power (w)
		CW	NW	WW			
M00310	Frosted Shell	912	906	784	0.6M/2ft Tube Actual:588mm	60 pcs 2835	10±1
M00311	Frosted Shell	1821	1816	1566	1.2M/4ft Tube Actual:1198mm	120 pcs 2835	20±1
M00312	Frosted Shell	2231	2208	1931	1.5M/5ft Tube Actual:1498mm	144 pcs 2835	24±1

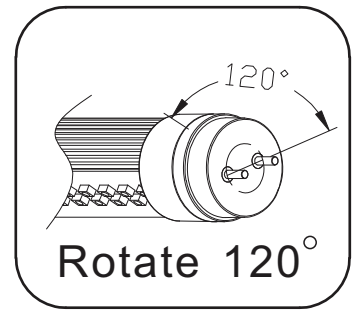
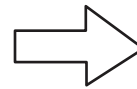
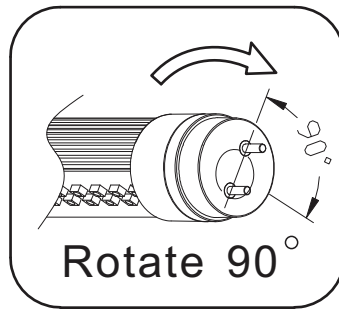
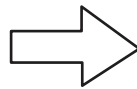
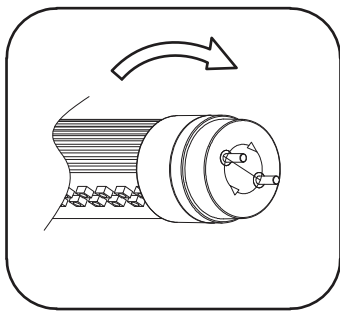




Rotated T8



Here is a button, when the button is released, the lamp ends can be rotated. And when lock the button, the lamp ends will be locked.



■ Why choose rotated T8

Compared with traditional fluorescent tube, LED tube is lighting in single side. If the base of the T8 is tilted, the light angle will be deviated. Rotated T8 gives your T8 a good performance in every angle.

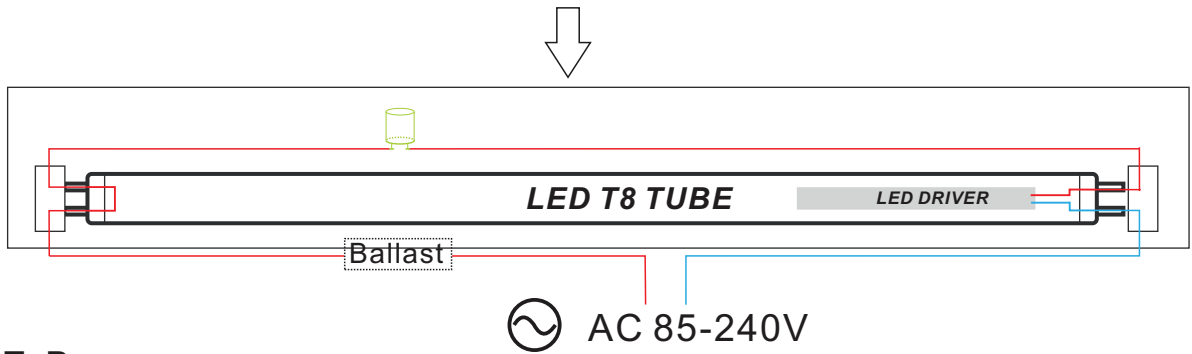
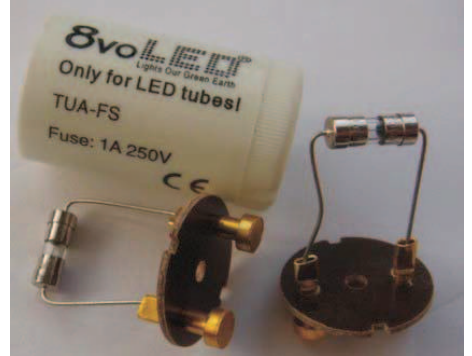
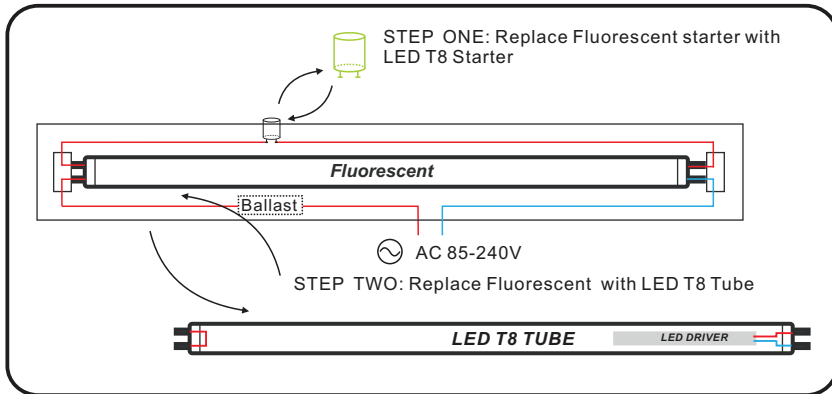
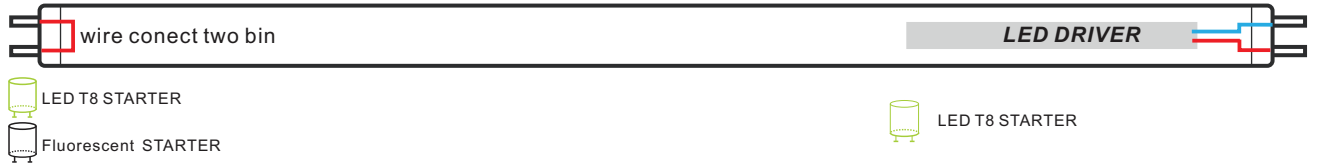




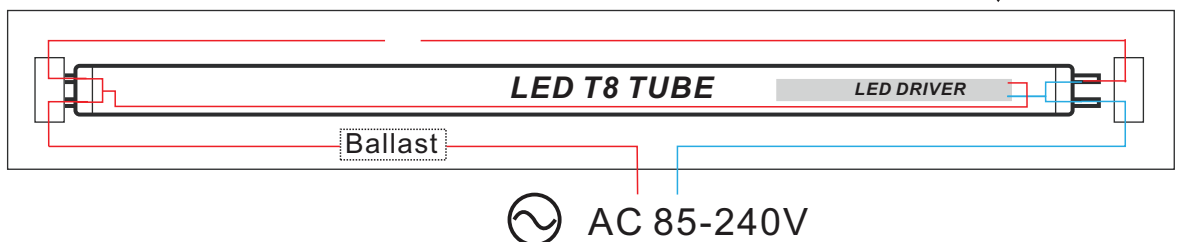
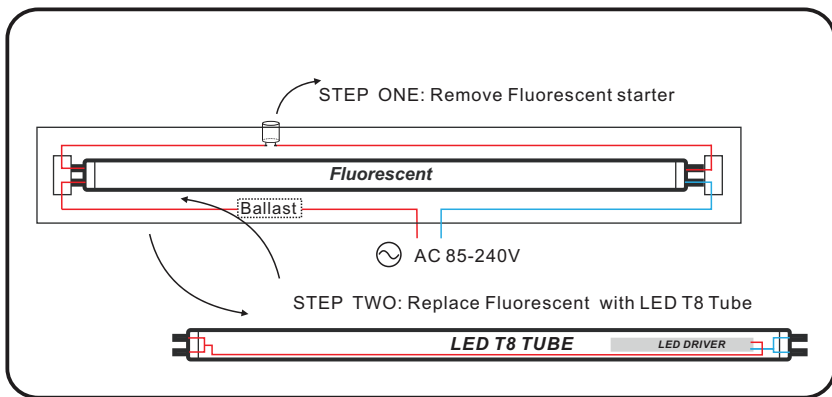
LED T8 TUBE INTERNAL STRUCTURE AND THE INSTALLATION

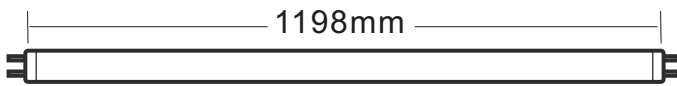
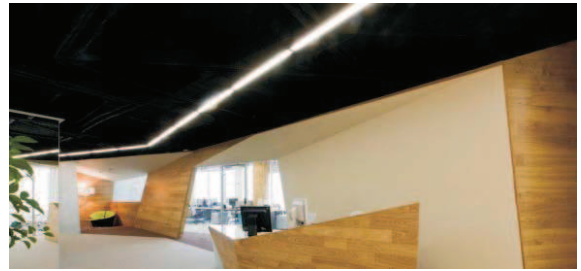
- * Before installing, check the product model. TYPE A or TYPE B. According to the following instructions for installation.
- * Magnetic ballast, we can keep, if it is the electronic ballast must be removed, and connected the wires.
- * We still recommend to remove the ballast, the ballast will consume power and reduce the PF value.

TYPE A

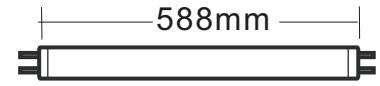


TYPE B

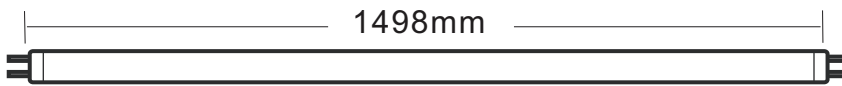




M00311



M00310



M00312

Very Energy Efficient

Up to 70% more energy efficient than T8 & T12 fluorescents

Features

Color in Kelvin: 2700K - 7500K
 Size: T8
 Length: 1"-8" in length

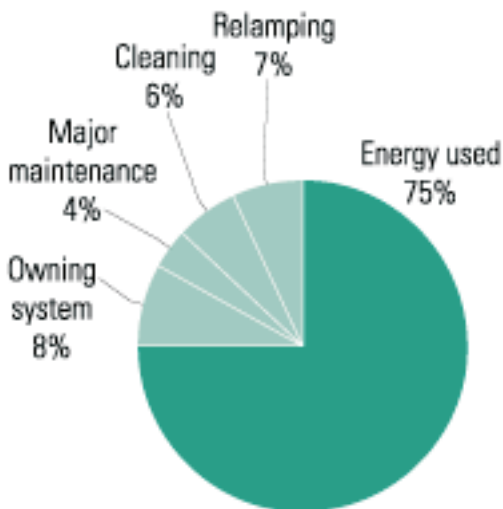
Safer than Fluorescent

Solid state - no glass
 No vacuum or pressurized vessel
 Impact and shock resistant
 Cool to the touch

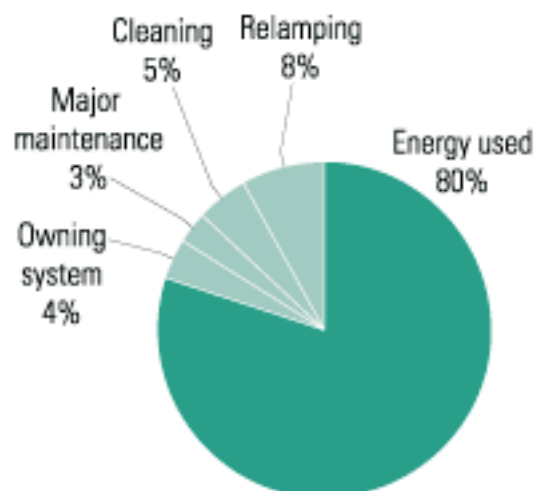
Recyclable

No toxic mercury
 No fluorescent disposal danger or costs

A. High-performance T8 Fluorescent Lamp/Ballast Systems
 Annualized cost = \$28.03 per two-lamp luminaire per year.



B. Standard T8 Fluorescent Lamp/Ballast Systems
 Annualized cost = \$30.43 per two-lamp luminaire per year.



Note: We assume 3,000 hours of annual operation, motion-sensor controls, a discount rate of 8 percent, electricity at \$0.10 per kilowatt-hour, major maintenance -- such as a ballast replacement -- once every 30 years, cleaning every 3 years, and relamping every 8 years (A) or every 6 years (B). These calculations are for a 20-year life in a 100 percent cooling-load environment such as Miami or Phoenix.



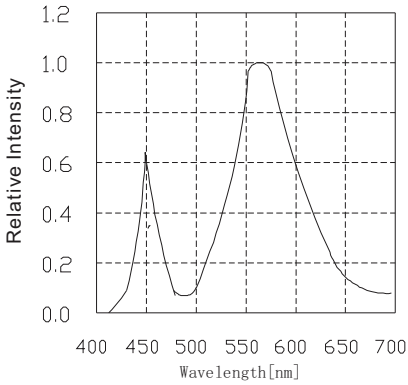


■ CHIP INFO

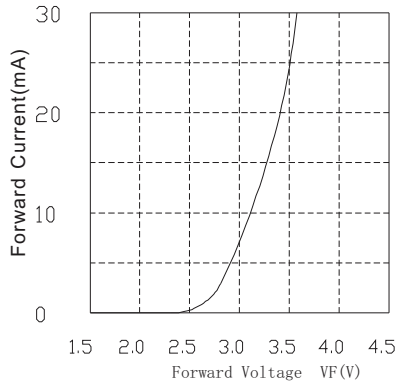
Typical optical characteristics curves

Spectral Distribution

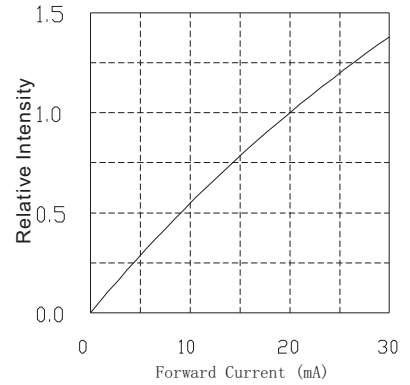
Relative Intensity vs. Wavelength (Ta=25°C)



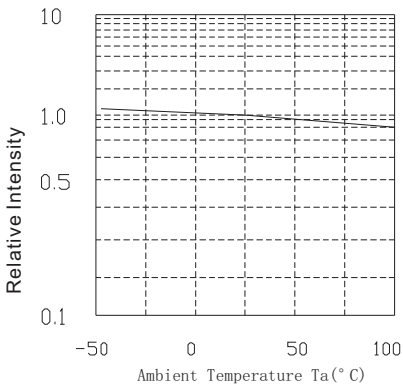
Forward Current vs. Forward Voltage (Ta=25°C)



Relative Intensity vs. Forward Current (Ta=25°C)

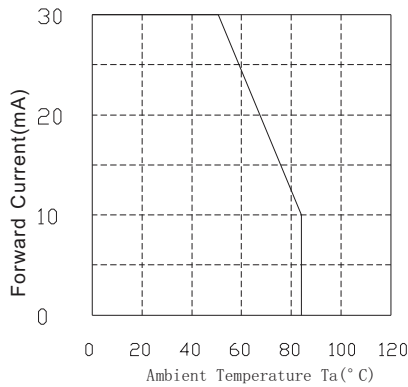


Relative Intensity vs. Ambient Temperature



Derating

Ambient Temperature vs. Maximum Forward Current



Forward Current vs. Chromaticity (Ta=25°C)

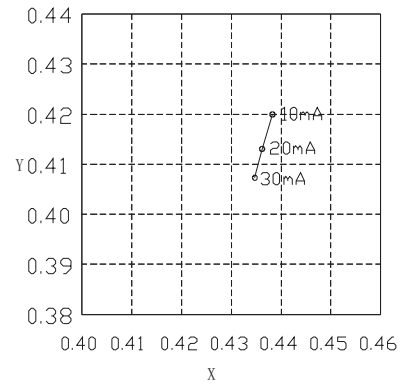
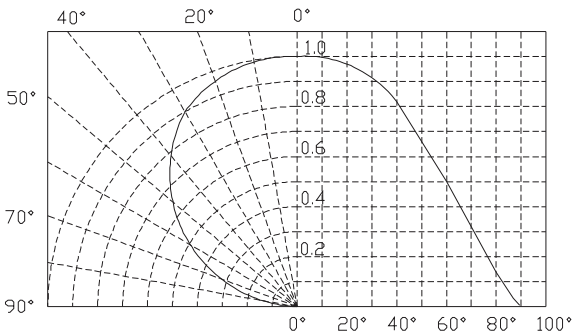
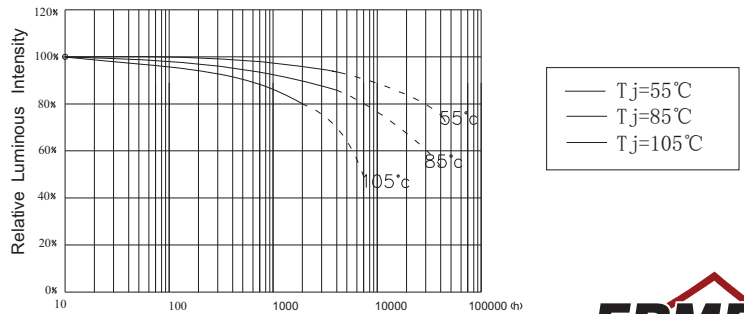


Diagram characteristics of radiation

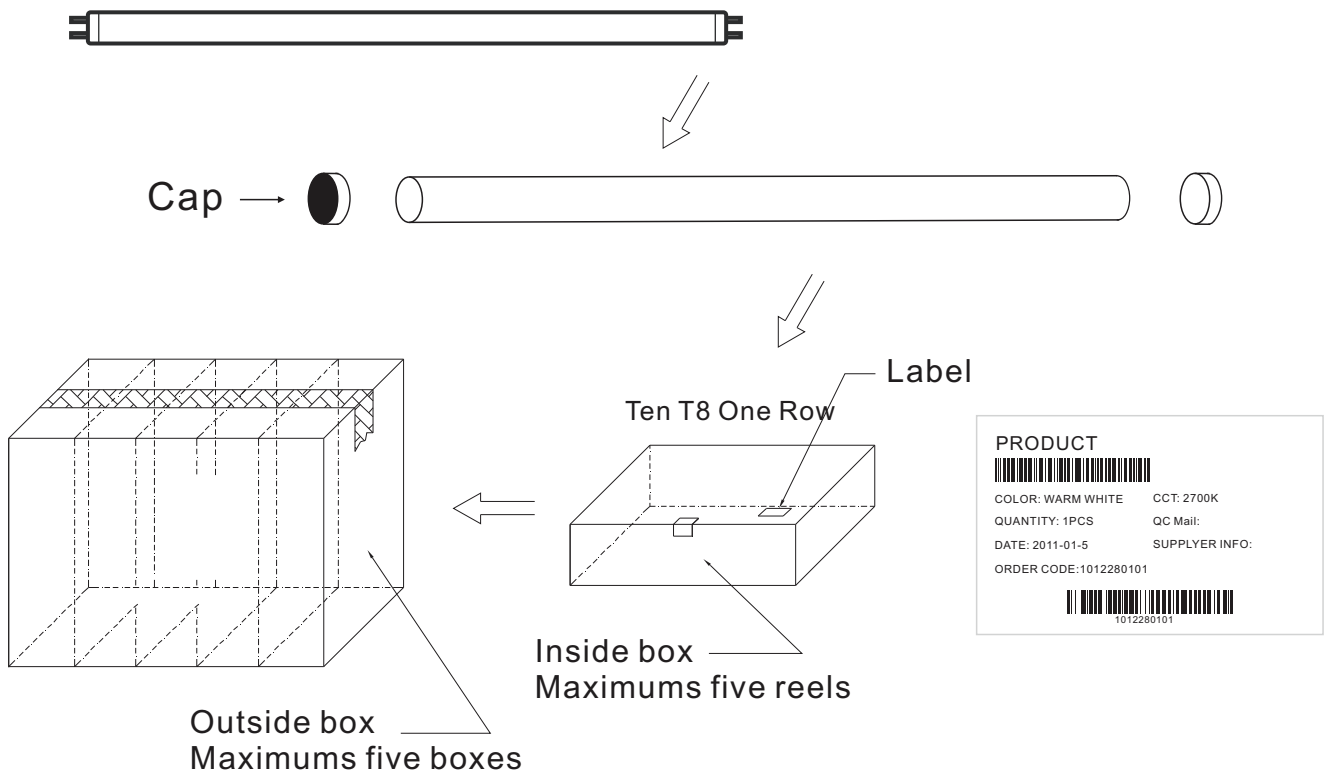


Affect of Tj on Luminous Maintenance (If=40mA)
(Dot line: Expected Life)





PACKING INFORMATION



STORAGE CONDITIONS

Before opening the package:

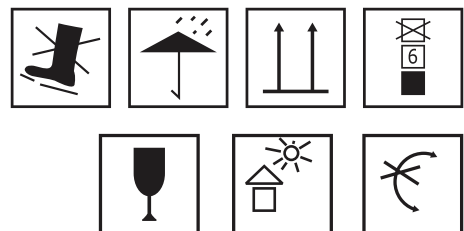
The LEDs should be kept at 30°C or less and 70%RH or less. The LEDs should be used within a year. When storing the LEDs, moisture proof packaging with absorbent material (silica gel) is recommended.

After opening the package:

The LEDs should be kept at 30°C or less and 50%RH or less. If unused LEDs remain, they should be stored in moisture proof packages, such as sealed containers with packages of moisture absorbent material (silica gel). It is also recommended to return the LEDs to the original moisture proof bag and to reseal the moisture proof bag again.

SAFETY INFORMATION

- The T8 and its components can not be mechanically pressed.
- Correct electrical polarity needs to be observed.
- Ensure the power is adapt to operate the total load.
- Installation must not damage the conducting paths on the circuit board.
- Parallel connection is highly required as safe electrical operation mode.
- Pay attention to ESD precautions during assembling.
- Assembly of LED modules includes power supplier must be appropriately.
- When installing on metallic or other surface, an electrical isolation point between strip and the installing surface is recommended.
- Only qualified person allowed to operate installations.



Damaged by corrosion will not be materials defect claim. It is the user's responsibility to provide a suitable protection against moisture, condensation and other harmful elements.