

Product Pictures

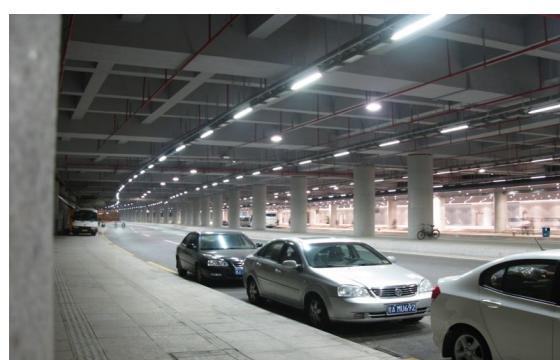


Features

This product has passed UL certification testing and DLC.

- Lamp source adopts single brightness SMD2835, over 30LM/W, milky white cover up to 105 ± 5 LM / W;
- Power supply with high quality components (Ruby capacitance) manufacturing, power supply through short circuit testing, high-current test, high voltage test, high temperature test, reliable, good performance.
- Compatible with the North American electronics, inductors rectifier, the LED lamps can fully replace traditional fluorescent
- Integration of multiple high-brightness SMD light source to form a linear combination.
- High economic energy efficiency. 90% energy saving than incandescent, 60% energy saving than fluorescent;
- By special technology package, durable, life of up to 50,000 hours;
- Green, no ultraviolet, infrared, thermal radiation and mercury pollution;
- As cold light source, LED lighting will not make goods fading produced by irradiation;
- High quality expansion cover, soft light color, high efficiency comprehensive than traditional fluorescent tubes;
- CRI up to 80, show the most intuitive and clear, and color temperature optional;
- Fast response, no flash, little glare, and instantly reach full light output after lighting;
- Solid light, seismic and strong, easy to transport and install, safe;
- Directional light, easy to control the light, effectively improve the efficiency of lighting systems;
- Overall design, perfect combination for lamp body and the cover and cap. Streamline lamp design, fashion, very contemporary

Application



Indoor and Office LED Lighting

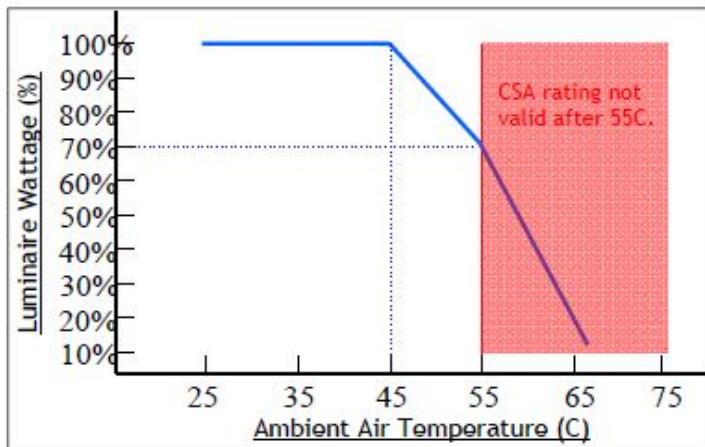
E-mail:info@cltlledsolutions.com

Web:www.cltlledsolutions.com

Parameter

INPUT				
Voltage Range	100-277Vac			
Frequency Range	47-63Hz			
Power Factor	≥0.95			
THD	<20%			
OUTPUT				
Model	CH-TB-TF-Y-Z	CH-TB-FF-F-Z	CH-TB-FF-Y-Z	CH-TB-EF-Y-Z
Rated Current	220mA	360mA	430mA	430mA
Power	9W	15W	18W	36W
Length	2FT(600mm)	4FT(1200mm)	4FT(1200mm)	8FT(2400mm)
CRI	80Ra			
CCT	3000K-5000K			
Lumen	>945lm	>1575lm	>1890lm	>3780lm
Lumen Efficacy	>105lm/W			
Driver Efficiency	>90%			
Lifespan	50000Hours			
Hold up Time	30mS			
Rise Time	300mS			
Dimming	NO(if you want it dimming ,it's OK))			
Protection				
Over Current	105-110%Iout			
Over Voltage	105-125%			
Environment				
Working TEMP	-20~+40°C			
Storage TEMP	-40~+60°C			

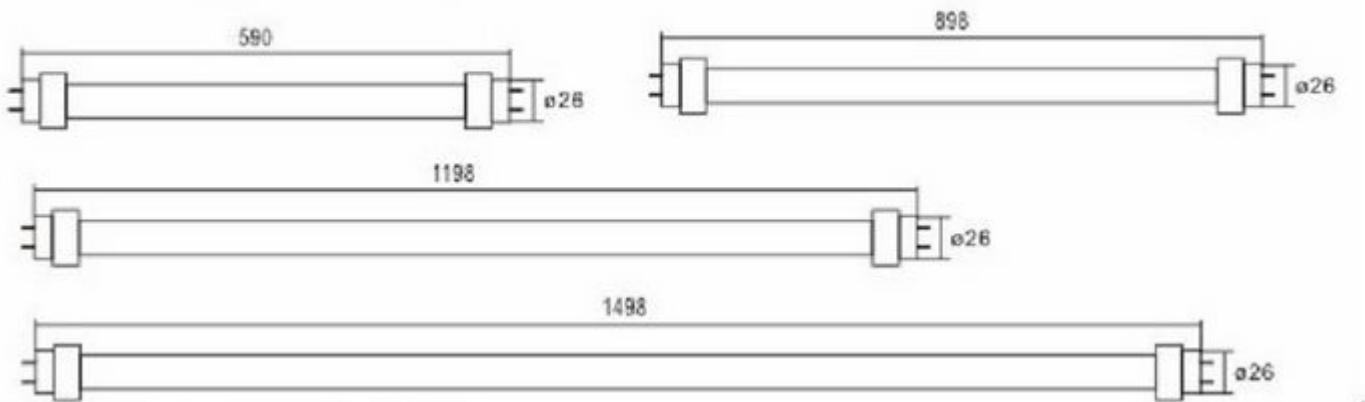
Temperature Compensation



Control module activates at 45C. L70 output reached at 55C.
 Continuous operation after 55C with increased compensation.
 CSA certification valid to 55C only.
 Chart accurate for Standard Output versions only.

T8 Size(the size can be optional)

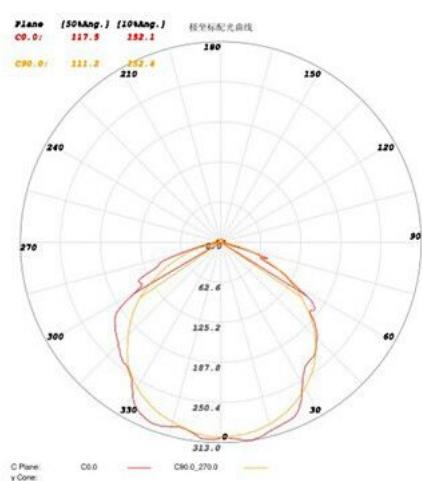
Product Dimension Drawing



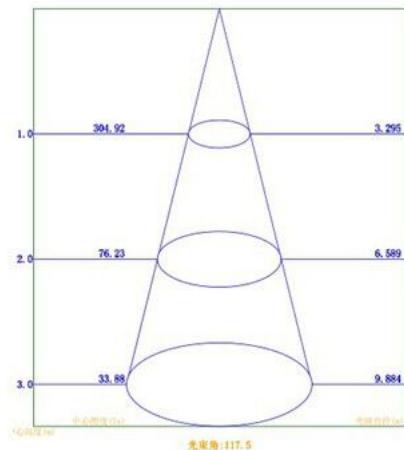
Light distribution curve

2F T8 (10W)Tube Light distribution curve

Light Intensity Distribution Curve



luminance-Distance Curve



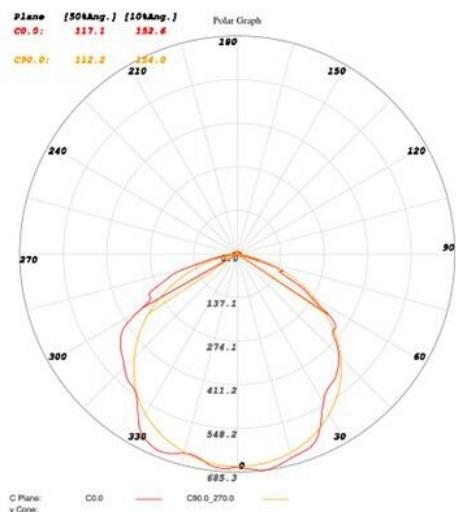
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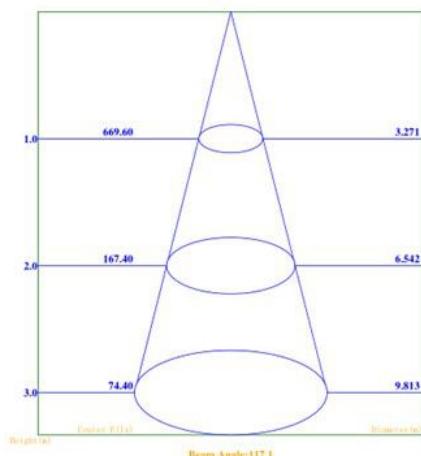
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4F T8 (18W)Tube Light distribution curve

Light Intensity Distribution Curve



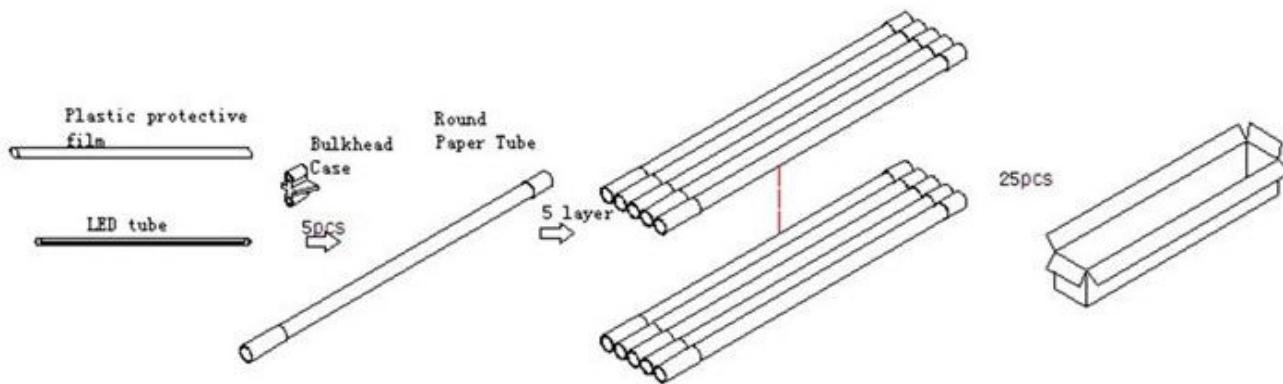
luminance-Distance Curve



Packing details

Model	Meas	Qty	Net weight
CH-TB-TF-Y-Z	660*210*210mm	25pcs/carton	8.6kg
CH-TB-FF-F-Z	1260*210*210mm	25pcs/carton	13.0kg
CH-TB-FF-Y-Z	1260*210*210mm	25pcs/carton	13.8kg
CH-TB-EF-Y-Z	2460*210*170mm	20pcs/carton	22.0kg

No.2 Carton tubepackaging:



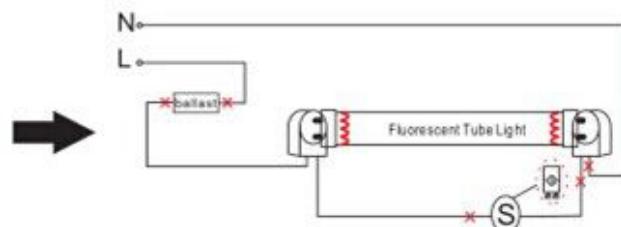
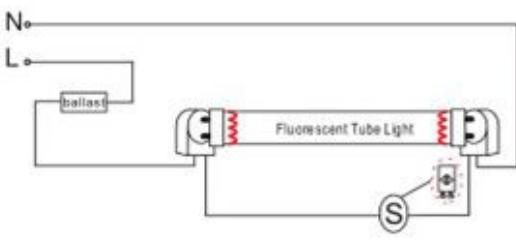
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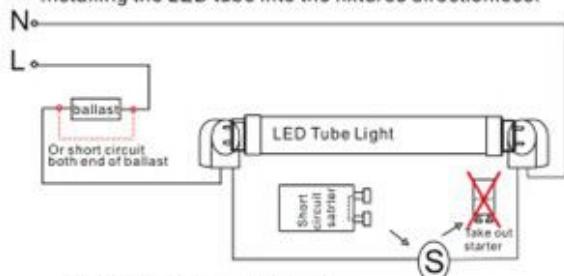
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Installation

Retrofit Luminaire with magnetic ballast



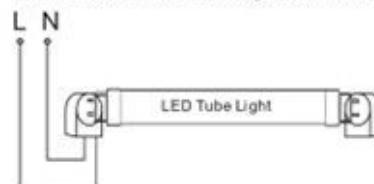
Installing the LED tube into the fixtures directionless.



1. Must be take out of starter
2. Equip with the's specified "short circuit starter"

Must be removed the starter first install the "short circuit starter" and LED Tube Light, then can work.

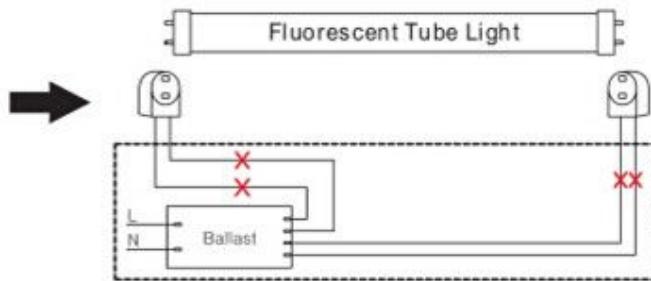
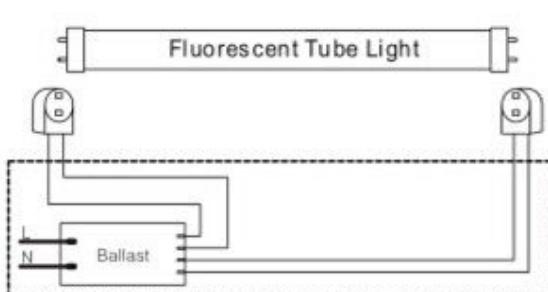
Connecting the side with
"AC Input" label into the holder with "L" & "N" wires.
The tube will not be damaged if installed in reverse



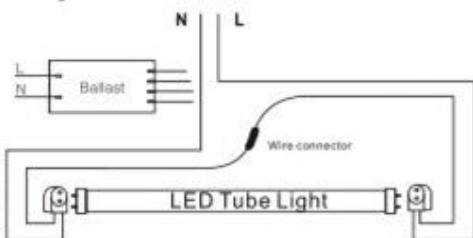
Connect two wires to branch circuit L and N
according to the figure above.

OR

Retrofit Luminaire with electronic ballast

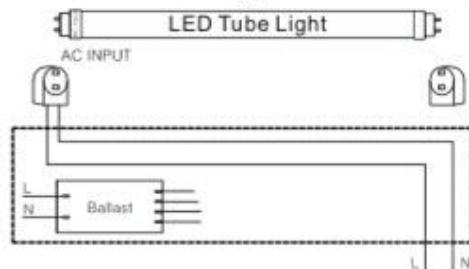


Installing the LED tube into the fixtures directionless.



Connecting the side with
"AC Input" label into the holder with "L" & "N" wires.
The tube will not be damaged if installed in reverse

OR



Instructions

1. Please read the product specifications, confirm compliance with the conditions for use environment on the specifications, before installation;
2. Before the product access to power, make sure the switch is off;
3. Lighting by a qualified electrician to install, in line with IEE wiring electrical standards or national standards;
4. This product is suitable for indoor;
5. Do not use under high or low voltage state in a long-term, it will affect the normal use of the function and life;
6. Do not install used within flammable objects, no matter what the circumstances, the lamp is not to be covered by insulation material or similar;
7. Installation, replacement, cleaning the lamps, must cut off the power, to ensure personal safety
8. When finding lamp not working (self-extinguishing, flashing), check the connection plug contact performance, and power supply voltage , if normal, the fault persists, replaced by a new lamp;
9. When cleaning, use a soft cloth to wipe wring soap stick, wipe with a dry cloth, please do not use banana water until clean light surface volatile substances, do not spray any chemicals on the lamp, the lamp may be discolored or damaged;
10. Do not disassemble the product on their own, in order to avoid damage to the internal components. Disassemble that is not entitled to warranty service.