

T8 LED Tube Instruction Manual

1. General Description

This product is suitable for indoor general illumination purpose.

Features

Illuminant: Ultra-bright white SMD LED	Light color: Warm White、Natural White、Cool White
Front Cover Finish: Matt Finish/Transparent	Frame: Used with frame
Wide Input Voltage: 100-277 VAC	High Efficiency Power Supply Low Power Consumption
Instant On/Off Response No Flickering	Constant Current Power Supply/Stable Performance and Long Lifespan

2. Technical Specifications

Basic Information

Length (meters)	Model Number	Material
T8-60cm	MT8X09-6	Aluminum alloy + PC
T8-120cm	MT8X09	Aluminum alloy + PC
T8-150cm	MT8X09-15	Aluminum alloy + PC

Electric Specifications { Temperature = 25°C }

Length (meters)	Part Number	Voltage (V)	Operating Frequency (HZ)	Input Current (MAX:A)	Rated Power (W)
T8-60cm	MT8X09-6	100~277	50/60	0.25	12
T8-120cm	MT8X09	100~277	50/60	0.35	19
T8-150cm	MT8X09-15	100~277	50/60	0.40	25

3. Warning

- 1) **WARNING**-Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- 2) **WARNING**-Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.
- 3) **WARNING**-To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- 4) **WARNING**: To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lamp holders. Note: Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballasts. Instant-start ballasts can be identified by the words "Instant Start" or "I.S." marked on the ballast. This designation may be in the form of a statement pertaining to the ballast itself, or may be combined with the marking for the lamps with which the ballast is intended to be used, for example F40T12/IS. For more information, contact the LED luminaire retrofit kit manufacturer.
- 5) Installers should not disconnect existing wires from lamp holder terminals to make new connections at lamp holder terminals. Instead installers should cut existing lamp holder leads away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors.
- 6) "This luminaire has been modified and can no longer operate as originally intended," shall be marked on the retrofit luminaire where readily visible to the user during normal maintenance including re-lamping.
- 7) LED Lamp Replacement Marking – Identification of the replacement LED lamp type/model to be used along with manufacturer and ordering information.
- 8) For a linear tubular LED lamp conversion, there shall be text or a diagram showing how the supply connections were made to the lamp holders so the correct connections will be made to the lamp when the lamp is installed or replaced.
- 9) Do not make or alter any open holds in an enclosure of wiring or electrical components during kit installation

"Not for use with dimmers."

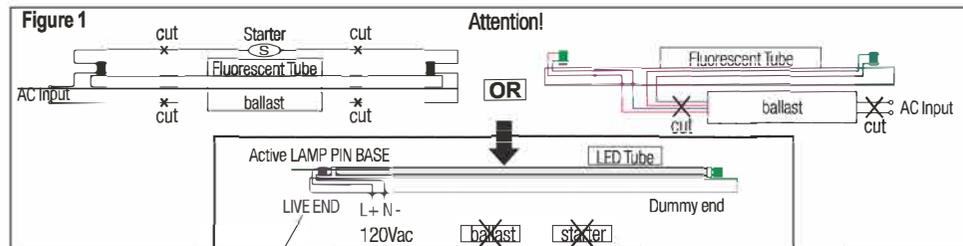
"Caution - Risk of Electric Shock – Use In Dry Locations Only."
THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS
 Remove thermal protector used in existing recessed luminaire if any.
 Always connect ground lead to fixture where applicable.
 For use with non-shunted tombstones only.

4. Unpacking and Checking

- Open the package and check the products, please handle with care
- If the new LED tube is found damaged, please contact us instantly with the complete package
- Please do not try to use the damaged LED tube
- Packing box contains : Specification 1, tube 1, relamping label 1, installation instructions 1

5. Installation

- Turn on the power supply to check whether the light tube is working properly.
- Step 1 - Disconnect all power to the lamp fixture.
 - Step 2 - Take off the fluorescent lamp.
 - Step 3 - Remove the ballast and starter where applicable.
 - Step 4 - Designate one side of the fixtures lamp sockets as the "LIVE END" and mark for future reference.
 - Step 5 - Connect the positive lead to one of the two wires connected to the lamp pin base and connect the negative lead to the second of the two wires connected to the same lamp pin base (above), and the lamp pin L to connect lamp base positive lead, the lamp pin N to connect lamp base negative lead. All connection are made by wire nuts.



*Be sure that the splices or connector should be insulated reliably, and they should be in the enclosed splice compartment."

Simply connect all the positive leads from each lamp pin bases to the positive lead in and connect all the negative leads from each lamp pin bases to the negative lead in Figure 4.

Figure 3

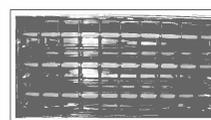
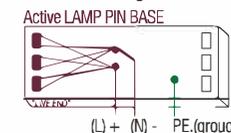


Figure 4



- Step 6 - Install led tube light in fixture matching the L side of the lamp to the "LIVE END" side of the fixture (Figure 5). After having fixed it, turn the tube 90°, ensure that the tube is well installed to the lamp fixture.(Figure 4).
- Step 7 - "After modification completes, then affix the Lamping Replacement Marking label and cautionary label to painted surface and bare aluminum , locate this where visible during re-lamping on the retrofitted luminaire".
- Step 8 - Wiring method: Wire the brown line to the cable L(live wire), and blue one to line N (null line), yellow green one to G(ground). Please see the above photo for details.(Figure 4)
- Step 9 -Minimum size of luminaire: MT8X09-6: 526 mm Wide by 68 mm High by 600 mm Long , MT8X09: 526 mm Wide by 68 mm High by 1200 mm Long , MT8X09-15: 526 mm Wide by 68 mm High by 1500 mm Long; 3 light tube mounted on a light plate, the distance between the lamp and lamp is 100 mm.

6. Usage Instructions

- Ambient Working Requirements
 - Working temperature : Max 40°C
 - Storage temperature : -40~60°C
 - Storage humidity : 10%~90%

➤ Cautions

- 1) In order to ensure the product work properly, please use the power supply within indicating voltage range.
- 2) Please follow the correct installation steps to install the product. Please DO NOT touch the tube while tube is working.
- 3) Please turn off the power supply (cut off Live wire and Neutral wire at the same time) for the base to avoid the risk of electric shock while installing or uninstalling the product.
- 4) Do not use the products in the high humidity or dust environment, including but not limited to the following environment: bathroom, sauna room.
- 5) Do not look directly at LED light source for a long time, because the high-intensity light source may cause harm to eyes.
- 6) Please contact a qualified electrician for repair services when you find the following problems, and do not disassemble the tube light
 - a. Electronic components are exposed to rain or other liquids splash.
 - b. Products release smell gas, abnormal sound and unusual flash.
 - c. The cover is broken .Debris goes into the base or the tube.

➤ Troubleshooting

- If under proper operation, please confirm if the following problem occurs. If the problem persists and can not be resolved by the following reasons below, please discontinue usage and contact a qualified electrician.
- 1) The LED tube does not light after properly connecting the power supply as directed in the instruction manual.
 - 2) Turn off the power supply and check whether the circuit screw on the LED tube is loose and if the sheet metal on the base is suitably fitted.
 - 3) The lamp flashes when it is powered on.
 - 4) Please call a qualified electrician to check and confirm if the power supply voltage is lower than luminaire's requirement.