Installation Instructions

**Retrofit: LED Tube Lamps**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Watts</th>
<th>Input</th>
<th>LEDs</th>
<th>Tube Length (cap to cap)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>DIP</td>
<td>SMD</td>
</tr>
<tr>
<td>TP-Tube10-2FT</td>
<td>10W</td>
<td>AC100-277V 50/60Hz</td>
<td>0.1A</td>
<td>160  120</td>
</tr>
<tr>
<td>TP-Tube10-3FT</td>
<td>14W</td>
<td>AC100-277V 50/60Hz</td>
<td>0.15A</td>
<td>220  220</td>
</tr>
<tr>
<td>TP-Tube10-4FT</td>
<td>18W</td>
<td>AC100-277V 50/60Hz</td>
<td>0.2A</td>
<td>280  290</td>
</tr>
<tr>
<td>TP-Tube10-5FT</td>
<td>22W</td>
<td>AC100-277V 50/60Hz</td>
<td>0.25A</td>
<td>320  350</td>
</tr>
<tr>
<td>TP-Tube10-6FT</td>
<td>26W</td>
<td>AC100-277V 50/60Hz</td>
<td>0.3A</td>
<td>390  410</td>
</tr>
<tr>
<td>TP-Tube10-8FT</td>
<td>36W</td>
<td>AC100-277V 50/60Hz</td>
<td>0.4A</td>
<td>560  580</td>
</tr>
</tbody>
</table>

Cover: Clear, Semi-transparent, Frosted
Color: Warm White, Natural White, Daylight White, Cool White
SECTION 1 - General Information

Kit components: 1-LED Tube, 1-Label and 1-Set of Instructions

Models were only evaluated for factory installation to end luminaire, or to end Retrofit Luminaire, intended to replace a fluorescent lamp where it is necessary to modify the luminaire. These LED Tube Lamps intended to retrofit maximum four lamps, surface mount, or Type IC recessed mount fluorescent luminaries that use straight tubular lamps.

-These lamps should be installed by a licensed electrician.
-These lamps work on line voltage and require all ballasts to be remove before the bulb is to be installed in the luminaire.
-These lamps are to be used in indoor dry or damp location only. Not suitable for wet location luminaire.
-These lamps are not to be used with a light dimmer. The starters need to be bypassed.
Always contact ground lead to luminaire where applicable.
-Please contact MyLEDLightingGuide.com if you have any questions not addressed in these instructions. Please see contact information in last page.

SECTION 2 - WARNING

WARNING

RISK OF ELECTRICAL SHOCK
DO NOT OPEN

WARNING: To reduce the risk of electrical shock, do not remove cover and caps. No user-serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE LUMINAIRE CONVERSION, RETROFIT

FOR USE ONLY WITH FLUORESCENT LUMINAIRES IDENTIFIED IN MANUFACTURER’S INSTRUCTIONS

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

These lamps can be used in any standard T8 lamp luminaire, allowing for it’s minimum spacing requirements.

105mm

Maximum distance between lamps pin sockets
WARNING-Risk of fire or electric shock.

Retrofit kit installation requires knowledge of fluorescent lighting luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

The electrical rating of this product is AC100V-277V, the installer must determine whether they have AC100V-277V at the luminaire before installation.

Install this kit only in the luminaires that has the construction features and dimensions shown in the drawings below.

Luminaires wiring, ballasts, or other electrical parts may be damaged when drilling for installation of retrofit kit hardware. Check for enclosed wiring and components.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
Do not use this retrofit kit in luminaires employing shunted bi-pin lampholders.

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.

Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

Not for use with dimmers.

The end retrofit luminaire has been modified and can no longer operate the originally intended lamp.

Caution-Risk of Electric Shock-Use in Dry and Damp Locations Only.

Risk of Electric shock-Do Not Use Where Directly Exposed To Water.

This device is not intended for use with emergency exit fixtures or emergency exit lights.
DANGER–RISK OF SHOCK
DISCONNECT POWER
BEFORE INSTALLATION

SECTION 3 - Installation Instruction

1️⃣ Switch off power supply BEFORE COMMENCING WORK

2️⃣ Luminaire Retrofit Steps

1️⃣ Principle of wire circle

Input Voltage: AC100-277V  50/60Hz

2️⃣ Retrofit Steps

Switch off power supply BEFORE COMMENCING WORK

1️⃣ Choose wires connect method from A, B, C, D options according to the ballast and luminaire type.
2️⃣ Use the electric rubberized fabric or pressing wire cap to enlace well all the power supply cord parts which were cut off, especially the end sides of power supply cord.
3️⃣ Install LED tube Lighting.
4️⃣ Switch on power.
A. Retrofit Luminaire with electronic ballast

There are two methods for wiring: Method 1 and Method 2

Wiring method 1
Installing the LED tube into the fixtures directionless.

Wiring method 2
Connecting the side with "AC Input" label into the holder with "L" & "N" wires. The tube will not be damaged if installed in reverse

Remove diffuser (if applicable) and fluorescent lamp
Cut off all wires which connected to ballast.

Connect two wires to branch circuit L and N according to the figure above.
B. Retrofit Luminaire with magnetic ballast

There are two methods for wiring: Method 1 and Method 2.

Wiring method 1
Installing the LED tube into the fixtures directionless.

Wiring method 2
Connecting the side with "AC Input" label into the holder with "L" & "N" wires. The tube will not be damaged if installed in reverse.

Remove diffuser (if applicable) and fluorescent lamp. Cut off all wires which connected to ballast.

OR

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

1. Must take out of starter
2. Equip with MY LED Lighting Guide’s specified “short circuit starter”

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

C. Retrofit Luminaire with two lamps and one ballast

There are two methods for wiring, Wiring method 1 and Wiring method 2.

Wiring method 1
Installing the LED tube into the fixtures directionless.

Wiring method 2
Connecting the side with "AC Input" label into the holder with "L" & "N" wires. The tube will not be damaged if installed in reverse.

Remove diffuser (if applicable) and fluorescent lamp. Cut off all wires which connected to ballast.

OR

Connect two wires to branch circuit L and N according to the figure above.
C. Retrofit Luminaire with Four Lamps and one ballast

There are two methods for wiring: Method 1 and Method 2

Wiring method 1
Installing the LED tube into the fixtures directionless.

Wiring method 2
Connecting the side with "AC Input" label into the holder with "L" & "N" wires. The tube will not be damaged if installed in reverse.

Remove diffuser (if applicable) and fluorescent lamp
Cut off all wires which connected to ballast.

Connect two wires to branch circuit L and N according to the figure above.
3 Install LED tube and Earth (Ground)

LED Tube

Luminaire

⚠️ Ballast and Starter must be operated with the method as in step 2 Luminaire Retrofit Steps

4 Connect to power

Luminaire
This luminaire has been modified and no longer operates fluorescent lamps. Use only Models TP-Tube10-2FT, TP-Tube10-3FT, TP-Tube10-4FT, TP-Tube10-5FT, TP-Tube10-6FT, TP-Tube10-8FT LED Tube lamps for lamp replacement.

These kits, replacement label, and installation instruction are provided with the LED tube.

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