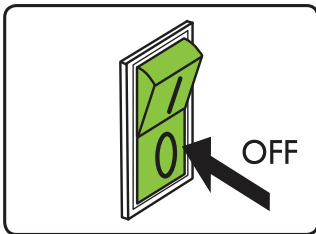


Installation Instructions:

I. Check the existing ballast and make sure it is in the manufacturer's ballast compatibility list.

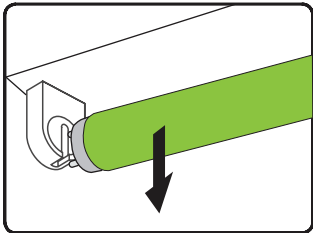
Note: If not on the manufacturer's list testing is required.

II. Ensure that the fixture and the lamp holders are secure. Any damaged or loose items should be replaced or adjusted before installation.

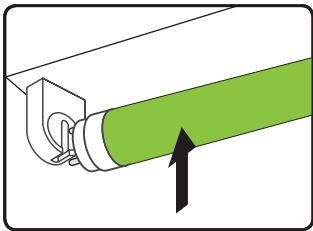


1. Turn off the power to the light fixture at the breaker panel before installation.

2. Open the diffuser of the light fixture.

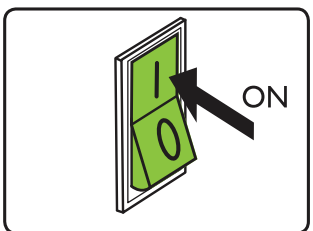


3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.



4. Install the LED Tube into the lighting fixture. Ensure pins are firmly seated in lampholders.

5. Close the diffuser.



6. Switch on the power to the fixture.

SAFETY GUIDELINES

READ CAREFULLY BEFORE INSTALLING.
RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

- **CAUTION - Risk of fire or electric shock.** Do not install this lamp in a pre-heat luminaire.
- **WARNING - Risk of electric shock.** Turn off electrical power at fuse or circuit breaker box.
- This product must be installed in accordance with applicable manufacturer installation instructions.
- Installation must be performed only by a licensed electrician in accordance with the National Electrical Code (NEC) and local electrical codes. Proper grounding is required for safety.
- **WARNING - Test lamp before mass installation.**
- **WARNING - These lamps are not to be used with a light dimmer.**
- **WARNING - This device is not intended for use with emergency exits.**
- This lamp can be used indoors or outdoors. (damp locations rated).
- **CAUTION - If the lamp or luminaire exhibits undesirable operation (buzzing, flickering, etc.), immediately turn off power, remove the lamp from luminaire and contact the manufacturer.**

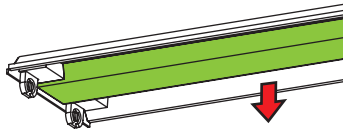
TGS cannot and will not be liable for any modifications or results of modifications to electrical devices or fixtures. These instructions are provided as a reference. By using the included instructions, you are solely responsible for following all applicable electrical safety procedures, codes, methods, and materials. If you are unsure about any electrical modification or installation, please consult a licensed electrician or electrical contractor in your area.

Single End Power

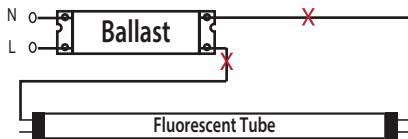
Installation Instructions:

- I. Non-shunted tombstones are required for installation.
- II. Ballast must be bypassed.

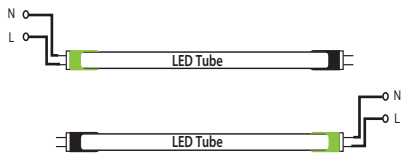
1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser of the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Remove wiring channel cover.



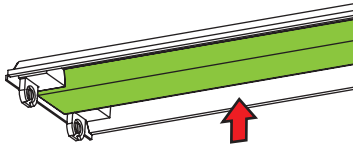
5. Cut wires as shown in the diagram below.



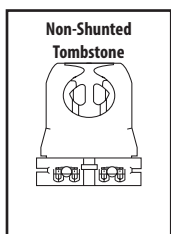
6. Wire line voltage output on either end of the fixture as long as Hot (L) and Neutral (N) are on the same side.



7. Replace the cover over the wiring channel.



8. Install the LED tubes (tube orientation does not matter) and close the diffuser.
9. Apply warning label.
10. Turn on the power.



Double End Power

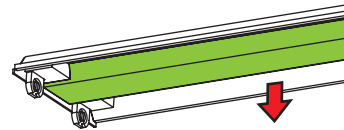
Installation Instructions:

- I. Shunted or non-shunted tombstones can be used for installation.

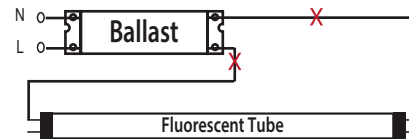
Note: If tombstone is a non-shunt type convert it to a shunted tombstone.

- II. Ballast must be bypassed.

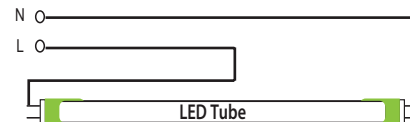
1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser of the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Remove wiring channel cover.



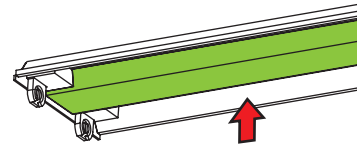
5. Cut wires as shown in the diagram below.



6. Wire Line and Neutral voltage output to opposite ends of the lamp: Hot (L) to one end and Neutral (N) to the other end of the fixture.



7. Replace the cover over the wiring channel.



8. Install the LED tubes (tube orientation does not matter) and close the diffuser.
9. Apply warning label.
10. Turn on the power.

