

This tube installs directly into your fixture's original shunted sockets (tombstones), which means you will not need to retrofit your fixture with non-shunted sockets. This tube is UL-Listed for installation with a single and dual-ended connection.

Bypassing the ballast during initial tube replacement will save you both time and money as ballasts inevitably fail over time and will require replacement. Ballasts also consume electrical power and by bypassing them you will save even more on your energy bill.

When installing using a double-ended connection, this tube can install directly into your fixture's original shunted sockets (tombstones), eliminating the need to retrofit your fixture with non-shunted sockets.

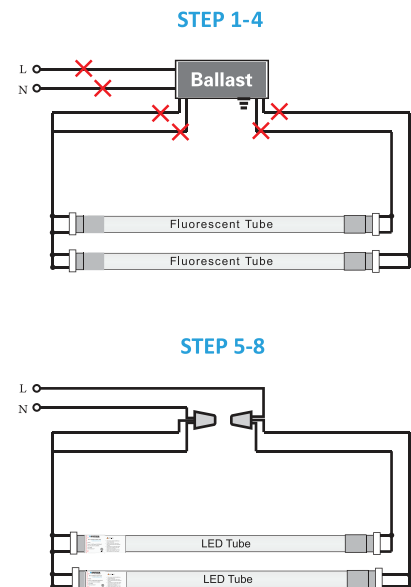
### Retrofit Installation | Double-Ended Connection

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Cut the wires as shown in the diagram.
5. Make the new wire connect to branch circuit as shown.
6. Replace the cover over the wiring channel.
7. Install the led tubes, close the diffuser.
8. Turn on the power.

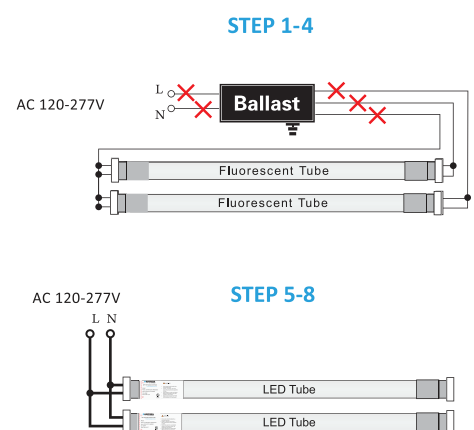
### Retrofit Installation | Single-Ended Connection

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Cut the wires as shown in the diagram.
5. Make the new wire connect to branch circuit as shown.
6. Replace the cover over the wiring channel.
7. Install the led tubes, close the diffuser.
8. Turn on the power.

### Double-Ended Wiring Diagram



### Single-Ended Wiring Diagram



YOU CAN USE EITHER END TO  
MAKE SINGLE ENDED  
CONNECTION.

### WARNING

- ▶ These lamps should be installed by a licensed electrician.
- ▶ These lamps are to be used indoors (damp or dry locations only). Not suitable for wet location.
- ▶ Do not install fixtures with the ballasts. Risk of fire and electric shock.
- ▶ This device is not suitable for use with emergency exits.
- ▶ These lamps are not suitable to be used with a light dimmer.