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## LED Tube Light Installation/Retrofit Instructions



This guide explains the steps to install or retrofit the T8 tube lights to ensure optimal performance. This guide is for reference only and is intended for qualified electricians or lighting technicians.

- Not suitable for Wet Locations
- Operate in fixtures that provide the free flow of air around the lamp heat sink
- Ballast & Starter must be bypassed

LED Tube lights should only be installed by a qualified electrician and in accordance with all the applicable installation codes. Always contact ground lead to luminaire in accordance with national, state, and /or local electrical codes where applicable. Failure to do so may result in a personal injury.

Disable all power to the luminaire before conducting any inspection, installation, maintenance or removal. Failure to do so will create hazardous and fatal working environment.

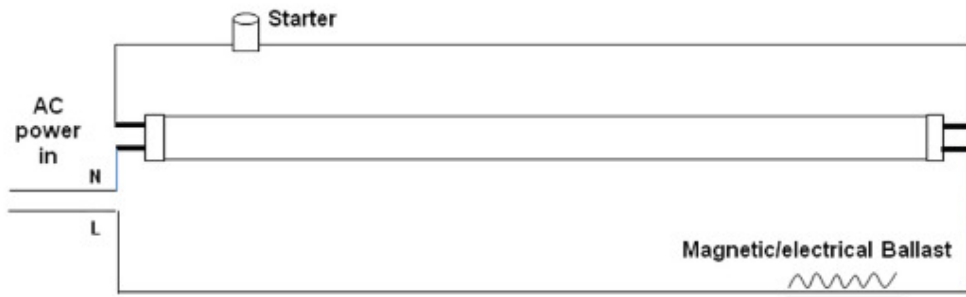
The Installer must determine and verify they have AC100~277V at the luminaire before installation, Improper voltage matching can result in performance degradation and /or Physical damage. These lamps work on line voltage and **require all Ballasts and Starters to be by passed**

- Luminaires wiring, Ballasts, or other electrical parts may be damaged when installing
- Always 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 make or alter any open holes in an enclosure of wiring or electrical components during installation.

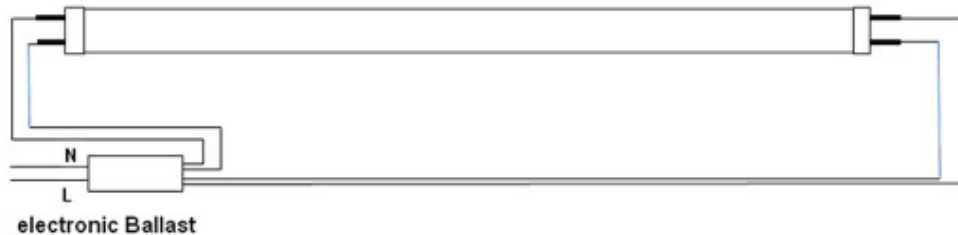
- Do not open – no user serviceable parts inside

STEPS:

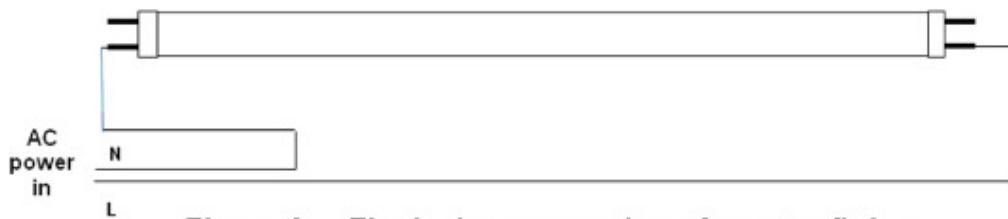
1. Remove Fluorescent Tube
2. Open/Remove Wiring Compartment Cover
3. Cut-off all wires connected to the Ballast and starter
4. Remove the Ballast & starter and discard
5. Connect the wires as shown in the below picture
6. Close-up the Wiring Compartment
7. Install LED Tube Light
8. Switch-on Power



**Figure 1. Fixture with magnetic ballast.**



**Figure 2. Fixture with electronic ballast.  
Electronic ballast must be completely removed  
before installing the LED tube**



**Figure 3. Final wire connection after retrofitting**