



EarthLED DirectLED™ FL USER GUIDE



EarthLED DirectLED FL Requires No Ballast or Starter

NOTE: This user guide will explain the steps necessary to use and insure peak performance from your new EarthLED DirectLED FL. It is intended to be used as a reference only, by a fully-qualified electrician or technician. This document should never be considered a substitute for any provision of a regulation or state and/or local code. Please read this entire user guide to fully understand and safely use this product. Specifications are subject to change without notice.

GETTING STARTED

EarthLED DirectLED FL LED Fluorescent Lights are the next generation solution to replace conventional fluorescent tubes. LED tubes are more efficient and more reliable and are well-suited for use anywhere conventional fluorescent tubes are used such as homes, offices, museums, galleries, shop windows, hotels, restaurants, meeting rooms, etc. EarthLED DirectLED FL are CE approved and RoHS compliant.

This guide contains important information about installing and operating your new EarthLED DirectLED FL safely and accurately.

Unpacking

1) Unpack and carefully examine the product. 2) Report any damage and save all packing materials if any part is damaged during transport. 3) Do not attempt to use this apparatus if it is damaged.

Warnings

1) Risk of electric shock. Ensure that the power supply is off when wiring sections of the device.
2) The device should be installed by a qualified electrician or technician in accordance with all relevant local codes.

User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate the device in such a manner as to comply with all state and local laws, ordinances, and regulations. Note: The instructions and precautions set forth in this user guide are not necessarily all-inclusive, all conceivable, or relevant to all applications as Advanced Lumonics cannot anticipate all conceivable or unique situations.

PLANNING THE INSTALLATION This device installation requires planning to ensure successful installation with minimal complications and down time.

Installation Steps

Retrofit – existing fixture with ballast

- 1) Take out ballast and starter if so equipped (disconnect the wires and either leave the ballast in place or remove it).
- 2) After disconnecting the ballast, reconnect the circuit. There are two sets of wires that connect to each bulb – only one set is needed to be connected to the respective hot and cold wires. Refer to the wiring diagram.
- 3) If you have a fixture with more than one tube holder (double or quads), make sure only one wire set from each additional fixture is going to the hot and cold supply wires. Disconnect any jumper wires connecting the additional fixtures to each other. In effect, on a single tube there were four wires (two at each end) going to the hot and cold supply wires. Now you only need one going to the hot and cold supply wires from each fixture. Refer to the wiring diagram.
- 4) Install the EarthLED DirectLED FL into the fluorescent light fixture.
- 5) Inspect all wiring connections prior to turning on the power.
- 6) Switch on the power to light EarthLED DirectLED FL .

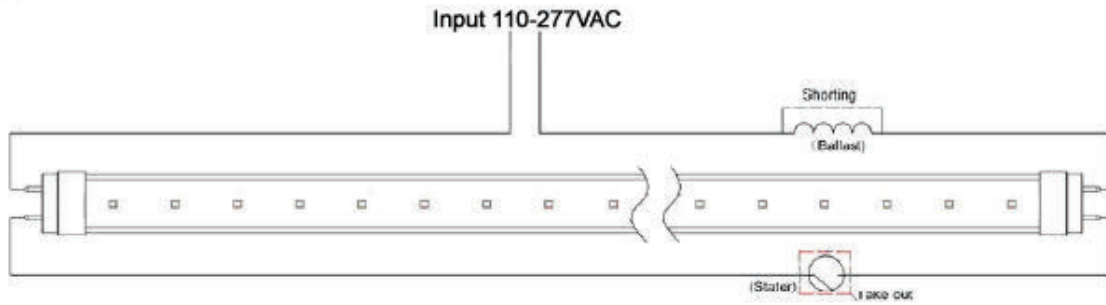
New Installation – fixture without a ballast.

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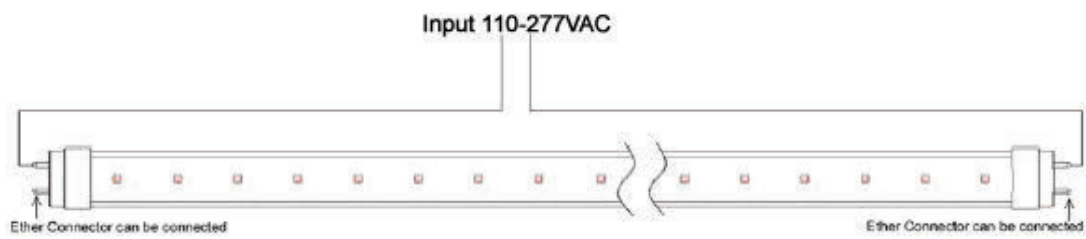
Wiring Diagram

1. Retrofit

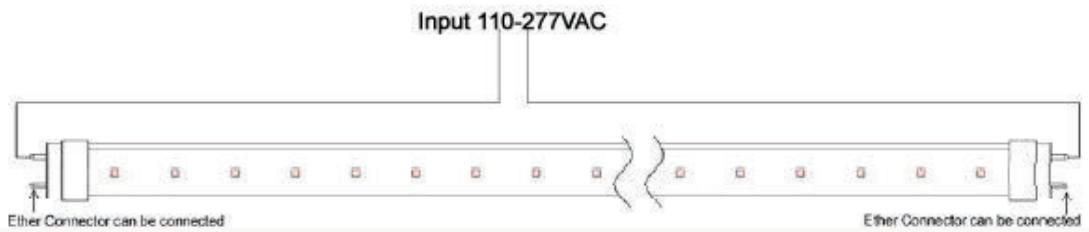
Before:



After:



2. New Installation



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