

Installation Instructions: Tubular LED Luminaire, External Driver



3-Lamp Tubular LED Luminaire, External Driver

Key Features

- Narrow, tubular design
- External driver
- Convenient surface mounting with magnet or screw

Installation Notes & Precautions

- *Read all precautions, warnings, instructions contained in this document.*
- *Do not delamp. Use the exact number of Tubular LED Luminaires that the included external driver is designed to control.*
- Installation should be performed by a qualified electrician or installer.
- Operating voltages: 120VAC to 277VAC
- This light source is not intended as an emergency exit fixture or light.
- Operating temperature range: -4 °F to 122

Warnings



WARNING – Risk of fire or electric shock. Do not alter, relocate, or remove wiring, or any other electrical component. If necessary, contact a qualified electrician for assistance.



WARNING – Always disconnect power for your safety when performing the luminaire modification steps below! In some cases, it may be necessary to test the power feed with the power connected. Only connect the power when doing the testing, then disconnect the power from the luminaire when performing the steps below.



WARNING – Always follow local and regional NEMA Electrical codes. NEMA codes provide information on proper procedures, safety guidelines, proper tools, connection methods, and specifications on materials.



WARNING – Revolution Lighting Technologies, Inc. cannot and will not be liable for any modifications or results of modifications to electrical devices or luminaires. 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.

Contents

Carefully open the box and check contents. Contact Revolution Lighting if any items are missing.		
Qty. 1	2, 3, or 4 Tubular LED Luminaires with Driver, Wires, Magnet Mounts; [SKU #: (as ordered)]	2', 3', or 4' Tubular LED Luminaires with matched driver for 2, 3, or 4 luminaires; wires; and Magnet Mounts (2 per tube)
Qty. 1	Tubular LED Luminaires Installation Instructions; [SKU #: 300563 v01]	Installation Guide for Tubular LED Luminaires with matched driver

Tubular LED Luminaire, External Driver Installation Guide Using Magnet Mount

STEP 1



- Disconnect power to installation site.
WARNING: Ensure that all power is off using a voltmeter or other method.

STEP 2



Prepared 2' x 4' Troffer

- Remove troffer lens or louver, if present, and set aside.
- Remove ballast cover(s) and set aside.
- Remove fluorescent tubes and anything in the troffer housing that might interfere with a clean installation of the Tubular LED Luminaires.
- **NOTE: Preserve AC wires from the incoming mains.**
- Dispose of fluorescent lamps, etc. per job/company site rules and regulations.

STEP 3 (If needed)



INPUT

OUTPUT

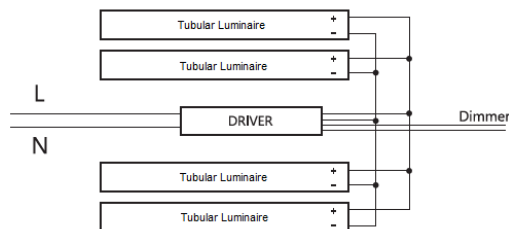
If necessary, pre-wire external driver before installation:

- Insert black, 18-AWG wire into the INPUT terminal port labeled AC-L.
- Insert white, 18-AWG wire into the INPUT terminal port labeled AC-N.
- Insert green, 18-AWG wire into the INPUT terminal port labeled GND.
- **CAUTION: Wire colors can vary, depending on code and circumstances. Make sure that hot, neutral, and ground wires are correctly identified.**
- Connect driver cable to driver by inserting its red wire into the OUTPUT terminal labeled LED+ and its black wire into the terminal labeled LED-.
- **OPTIONAL DIMMING:** For 0-10V dimming, Insert purple, 22-AWG wire into the OUTPUT terminal labeled 0-10V (DIM+), and insert the gray, 22-AWG wire into the OUTPUT terminal labeled 0-10V (DIM-).

STEP 4



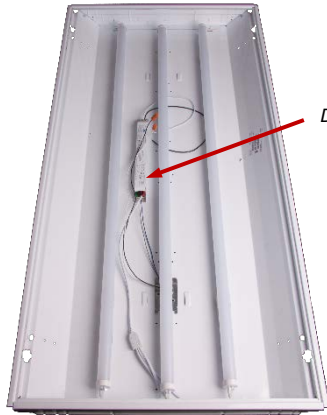
Connect Driver Cables to Luminaires



4-Luminaire Wiring Example

- Insert each driver-cable connector into a mating Tubular LED Luminaire socket, making sure that positive (+) and negative (-) polarity is maintained.
NOTE: Polarity is clearly marked on cable plugs and luminaire end caps.
- Using appropriate wire nuts, splice the pre-wired (Step 3) hot (black), neutral (white), and ground (green) wires of the external driver to the corresponding incoming power leads.
CAUTION: Wire colors can vary, depending on code and circumstances. Make sure that hot, neutral, and ground wires are correctly identified.
- **OPTIONAL DIMMING:** To activate 0-10V dimming, splice purple (+) and gray (-) wires from driver to the corresponding dimming-control wires.
NOTE: 0-10VDC wire colors can vary. Common colors include blue (+) and white (-), brown (+) and yellow (-), or purple (+) and gray (-).

STEP 5

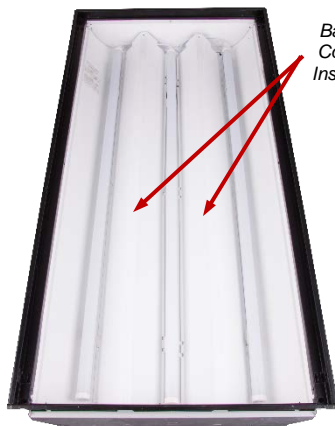


*LED
Driver &
Wiring*

*Position Tubular Luminaires and
Secure Driver in Troffer*

- Position each Tubular Luminaire in the troffer, using the included Magnet Mounts to secure it to the sheet-metal surface.
- Position and secure the LED driver in the troffer.

STEP 6



*Ballast
Covers
Installed*

Secure Wires and Ballast Cover(s)

- Bundle and secure any loose wires and place the ballast cover over the LED driver and wiring.
- Replace the lens or louver, if present.

STEP 7



- Switch power back on.