360˚ Double-Sided LED Tube

DANGER!

Risk of shock. Disconnect power before installation.

WARNING!

- Risk of fire or electric shock. Installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Risk of fire or electric shock. Install this product only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the product does not exceed the input rating of the luminaire.
- Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical 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.
- Installers should not disconnect existing wires from lampholder terminals to make new connections at lampholder terminals. Instead installers should cut existing lampholder leads away from the lampholder and make new electrical connections to lampholder lead wires by employing applicable connectors.
- Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when installing hardware. Check for enclosed wiring and components.
- Risk of fire or electric shock. Check the existing wiring for damage before installing. Do not install if existing wires are damaged.
- This product is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction.
- “This luminaire has been modified and can no longer operate the originally intended lamp,” shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance, including lamping.
- “This luminaire has been modified to operate LED lamps. Do not attempt to install or operate *lamps in this luminaire” shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance including relamping. “*” shall be replaced by the original illumination type such as “fluorescent,” “HID,” etc.
- This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.
- LED Lamp Replacement Marking – Identification of the replacement LED lamp type / Model to be used along with manufacturer and ordering information.

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Installation Steps

Disconnect All Power

INSTALLER NOTES:

1. All ELEDLIGHTS 360° Double-Sided LED Tubes are designed for “single-end power” only. This means that direct line voltage (100-277VAC) “LINE” and “NEUTRAL” wires are connected to the “LIVE END” of the tube through only one of the sockets that hold the tube in thefixture. The socket on the opposite, or “DEAD END”, of the tube is not energized and only serves to hold the tube in place in the fixture.
2. ELEDLIGHTS 360° Double-Sided LED Tubes are designed for use in fluorescent tube light boxes in which the ballast has been either bypassed or removed and that have been rewired for single-end power only. Installation of 360° LED Tubes into fixtures that have not been properly rewired for single-end power will cause irreparable damage and void the product warranty.

STEP 1

- Before opening the light box, make sure power has been turned off at the main circuit breaker.
- Open the light box and remove the fluorescent tubes from the tube holders.

STEP 2

Identify the location at which the main power cable (normally 2-wire + Ground) enters the light box and follow those wires to the location of the fluorescent tube ballast(s). Some light boxes may contain more than one ballast.

STEP 3

Cut or disconnect all wires running to or from the ballast(s) as close to the ballast body as possible. The ballast(s) can either be removed and discarded or left in place.

STEP 4

Inside most all light boxes, there are two strips of tube sockets which are mounted on opposite sides of the light box; either left/right or top/bottom depending on the orientation of the tubes in the light box. Identify one strip of sockets (ideally the set located closest to the main power) to be used for wiring the “LIVE END” of the tubes. The sockets on the opposite side of the box will hold the “DEAD END” (unenergized end) of the tube. All wiring to or from the “DEAD END” sockets can be cut out and removed.

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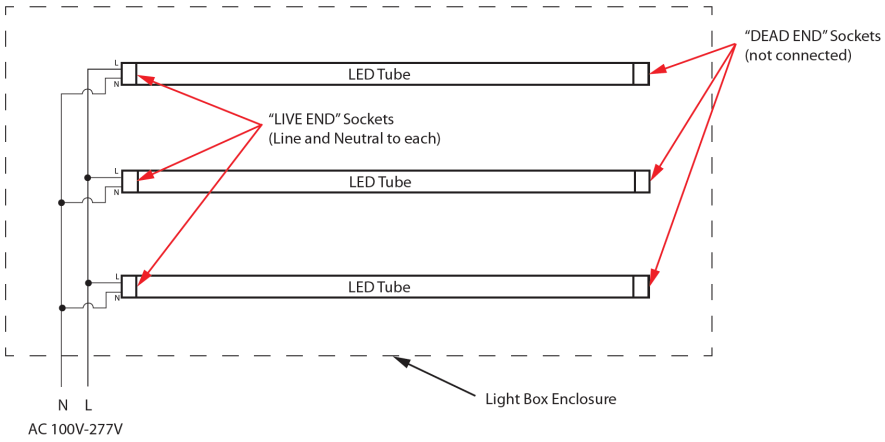
STEP 5

Each of the "LIVE END" sockets will have two terminal connections. Connect the "LINE" voltage wire to one of the terminals on each of the "LIVE END" sockets. Connect the "NEUTRAL" wire to the other terminal on each of the "LIVE END" sockets. The diagram below shows the proper wiring arrangement for a 3-tube light box.

STEP 6

Make sure all wire connections are wire nutted and wrapped with electrical tape.



STEP 7

Install the 360° LED Tubes into the light box, making sure that the ends of the tubes marked "INPUT" or "LINE VOLTAGE" are inserted in the "LIVE END" sockets.

STEP 8

Reconnect power to the light box and switch the light box on.

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