

# LED PRO TRK Installation Instructions for 2'x4' Lay in and surface mount fixtures

## Warnings:

WARNING – Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

WARNING – Risk of fire or electric shock. Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

WARNING – Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.

WARNING – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

WARNING - Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

WARNING: To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lampholders. Note: Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballasts. Instant-start ballasts can be identified by the words "Instant Start" or "I.S." marked on the ballast. This designation may be in the form of a statement pertaining to the ballast itself, or may be combined with the marking for the lamps with which the ballast is intended to be used, for example F40T12/IS. For more information, contact the LED luminaire retrofit kit manufacturer.

WARNING – Lampholders included in this kit should only be installed in the intended manner and location set forth in these instructions. Re-use of existing lampholders is prohibited and voids all warranties

## Parts Included in this Kit:

2 End Brackets

4 Unshunted Lamp Holders

4 Tech Screws

1 Luminaire quick disconnect

2 Warning Labels: Powered End label and Do Not Alter label

## Installation Instructions:

1. Ensure that power to the existing fixture is off
2. Open fixture lens
3. Remove existing lamps
4. Remove ballast cover if applicable
5. Remove existing end brackets with lampholders
6. Disconnect input wires to existing ballast

7. Remove ballast from fixture – warning: do not reuse existing lampholders in this retrofit  
Note: At this point you should have an empty fixture body with no components (Figure 1)
8. Prepare brackets by snapping the 4 lampholders into slots on the brackets (Figure 2A)
9. On one bracket only, insert and push in 1 black 18 awg wire and one white 18 awg wire into each side of each lampholder. Ensure that they are on opposite sides of the lampholder
10. Insert the other ends of the wires (2 black and 2 white) into the 4 port side of the luminaire quick disconnect making sure to match the colors on the disconnect with the wire color
11. Install the brackets into each end of the fixture as shown in the diagram using the provided tech screws. Ensure that the bracket is centered on the end of the fixture for best alignment of the bulbs (Figure 2 and Figure 2A)
12. Insert the incoming power supply black and white wires into the 2 port end of the luminaire disconnect. Note that if the incoming wires are multi-strand, you will need to attach a short piece of solid 18 awg wire to each lead with a wire nut. Do not attempt to insert multi-strand in the disconnect.
13. Affix Warning stickers included with the kit in the fixture body. All stickers must be placed so that they are in full view when any maintenance is performed on the fixture. Make sure to place the label showing the powered end with the arrow pointing to the powered sockets
14. Install LED tubes with powered end of tube in the powered sockets
15. Close the fixture lens
16. Restore power to fixture and turn on

## Installation Diagram

Figure 1

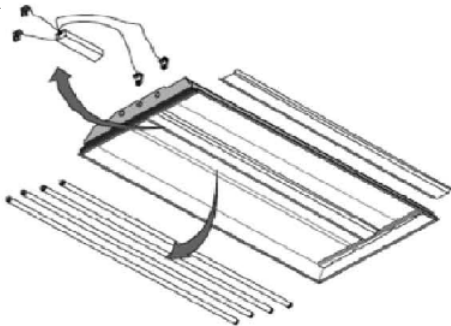


Figure 2

