



# LITETRONICS PR-Series LED Light Panel Retrofit Instruction Manual

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# LITETRONICS®

**LITETRONICS PR-Series LED Light Panel Retrofit**



## Product Information

The LED Light Panel Retrofit is a lighting solution designed for easy installation and energy efficiency. It is available in three sizes: 2' x 2', 2' x 4', and 1' x 4'. The retrofit panel comes with various components to facilitate installation, including mounting rails, wire nuts, self-tapping screws, safety cables, quick connect, luminaire labels, and Velcro tape.

### What Comes in the Box

- LED Light Panel Retrofit panel (1)
- Mounting rails (2)
- Wire nuts (1)
- Self-tapping screws (6)
- Installation Instructions (1)
- Safety cables (2)
- Quick Connect (1)
- Luminaire label (1)
- Velcro Tape (2)\*

Required for 2' x 4' for relocating the driver, if applicable.

### Tools Needed:

- Screwdriver or power drill

### Safety Instructions and Warnings:

- Read all instructions before beginning installation.
- Turn off the power at the electrical panel.

## Product Usage Instructions

### Preparation:

1. Turn off the power at the electrical panel.
2. Remove the lens/diffuser, tubes, and ballast from the existing troffer.
3. Set the desired wattage by adjusting the dip switch found on the outside of the driver. Refer to Figures 1 and 2 for the dip switch settings.

### Rail Installation:

4. Insert mounting rails A and B on opposite sides between the troffer and the grid rail with anti-rotational tabs. Refer to figure 3 for reference.

### Dip Switch Settings by Wattage:

Wattage	Lumens
18	2250
20	2500
25	3125
30	3750
36	4500

*Figure 1: Dip Switch Settings for 2' x 2' & 1' x 4'*

Wattage	Lumens
25	3125
30	3750
40	5000
45	5625
50	6250

*Figure 2: Dip Switch Settings for 2' x 4'*

#### **Installation Procedure:**

*Figure 4:*

- Rail A
- Rail B
- Ground
- Quick connect
- Safety cables
- Hangers
- Dimming Hooks
- Dip switch

**Thank you for choosing Litetronics!**

#### **Contact Information:**

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- Email: [customerservice@litetronics.com](mailto:customerservice@litetronics.com)
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**Note:** The information and product specifications contained in these instructions are based upon data believed to be accurate at the time of printing. For specific product details or any inquiries, please contact Litetronics at 800-

860-3392 or via email at [customerservice@litetronics.com](mailto:customerservice@litetronics.com).

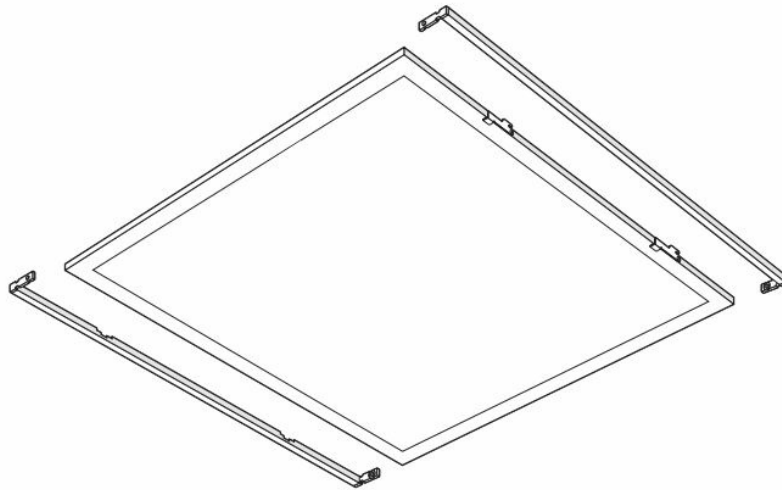
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Date: 3/16/22

## LED Light Panel Retrofit

### Installation Instructions

PR-Series | 2' x 2', 2' x 4' & 1' x 4'



### WHAT COMES IN THE BOX

- LED Light Panel Retrofit panel (1): Safety cables (2)
- Mounting rails (2): Quick Connect (1)
- Wire nuts (1): Luminaire label (1)
- Self-tapping screws (6): Velcro Tape (2)\*
- Installation Instructions (1):

**NOTE:** Required for 2' x 4' for relocating the driver, if applicable.

### TOOLS NEEDED

- Screwdriver or power drill

### SAFETY INSTRUCTIONS AND WARNINGS

#### WARNINGS

Risk of fire or electric shock. LED Light Panel Retrofit kit installation requires knowledge of luminaire electrical system. If not qualified, do not attempt installation. Contact a qualified electrician. Luminaire wiring and electrical parts may be damaged when drilling for the installation of a retrofit kit. Check for enclosed wiring and components. Do not make or alter any open holes in the enclosure of wiring or electrical components during kit installation.

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. Only those open holds 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 the edges of sheet metal or other sharp objects.

This LED Light Panel Retrofit kit shall only be installed into a UL/C-UL listed Fluorescent Recessed, Type IC or Non-IC, listed luminaire with a steel enclosure.

### **DISCONNECT SAFETY INSTRUCTIONS:**

- This is a current-rated device. Use in applications involving amperage beyond its rating can be dangerous and cause electrical fires. See note on this page for allowable current and voltage levels and do not exceed those levels.
- Never remove wires from the product as contact with electricity can cause serious injury or death. Shut off power at the circuit breaker or remove the fuse when installing this product.
- Improperly installed electrical wiring can be dangerous and cause electrical fires. This product must be used by the current rating and wire sizes listed.

### **COPPER to COPPER:**

ONLY. Do not use Aluminum. Temperature rating: 105° C (221° F) maximum. Flame Rated UL94V-0.

## **INSTALLATION PROCEDURE**

READ ALL INSTRUCTIONS BEFORE BEGINNING THE INSTALLATION

### **Preparation**

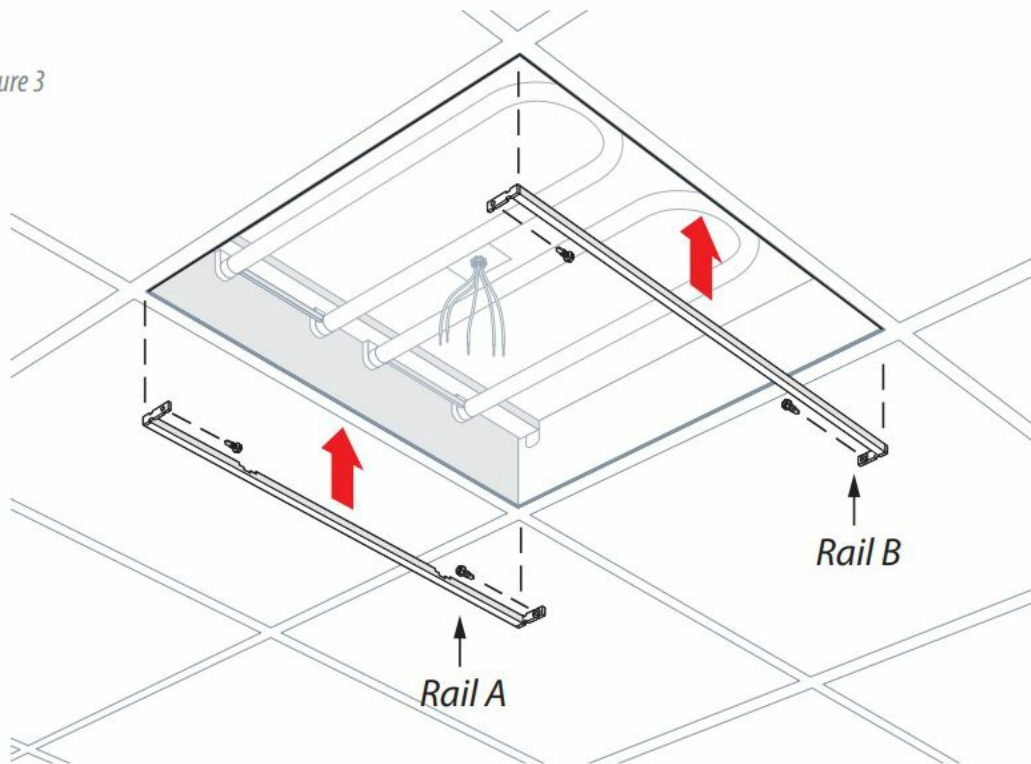
1. Turn off the power at the electrical panel.
2. Remove the lens/diffuser, tubes, and ballast from the existing troffer.
3. Set the desired wattage by adjusting the dip switch (found on the outside of the driver). See figures 1 & 2 below for settings

### **Rail installation**

4. Insert mounting rails A and B on opposite sides between the troffer and the grid rail with anti-rotational tabs pointed inward and notches facing up. The troffer will need to be raised slightly to accommodate the rails. Once inserted, push rail B to the right until it is flush against the t-grid rail. This will ensure the locking hooks latch onto the rail and secure the fixture. See Figure 3 for reference. For 2x2 size, the rails should be installed on the tapered sides of the troffer.

For added security, the rails can be secured to the t-grid. Once the rails are installed, insert the included self-tapping screws through the end tabs and drill into the t-grid as shown in Figure 3.

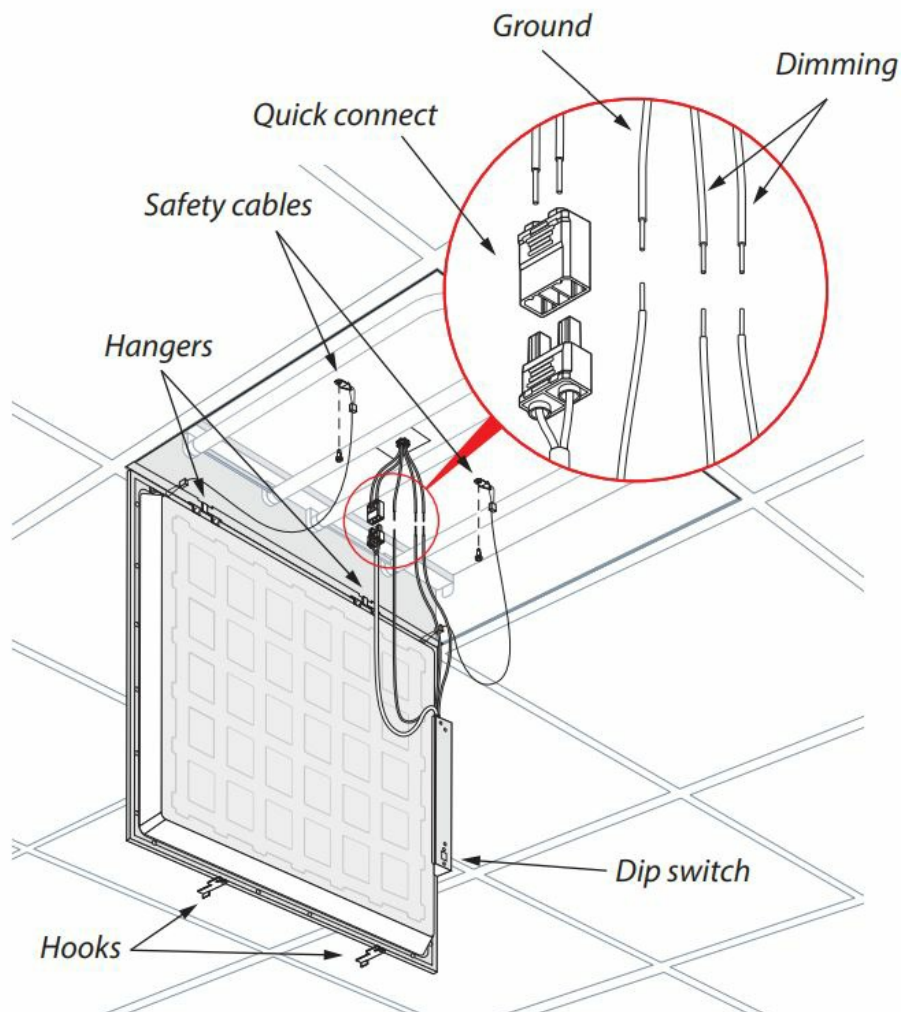
figure 3



### Panel installation

5. Locate the two-panel hangers on the side edge of the panel. Insert the hangers into the notches on mounting rail A. This will allow the panel to hang freely. See Figure 4 for reference.

figure 4



6. Attach the two seismic safety cables from the panel to the troffer using self-tapping screws.
7. Connect power wires AC-L (Black) and AC-N (White) into the open side of the quick-connect.

8. Connect the ground wire using the supplied wire nut.
9. Connect Purple (Dim+) and Gray (Dim-) to \*0-10V dimmer (if required) with the help of wire nuts (not included).  
Follow dimmer control manufacturer instructions
10. Apply the luminaire label to the inside of the troffer.
11. Locate the panel hooks (2) on the panel and rotate them to the open or install position.
12. Swing the panel up so it's even with the ceiling. Then rotate the hooks (2) so that they engage the rail tabs. The panel should be flush with the ceiling.
13. Your installation is complete. Once all retrofit kits have been installed you can restore power.

## DIP SWITCH SETTINGS BY WATTAGE

Each fixture is set to the highest wattage by default. To set your fixture to a lower wattage, adjustments will need to be made before installation.

**2' X 2' & 1' X 4'**

WATTAGE	LUMENS	1	2	3	4
18	2250				
20	2500				●
25	3125			●	
30	3750		●		
36	4500	●			

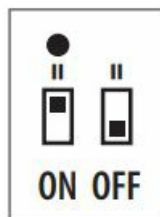
*figure 1*

**2' X 4'**

WATTAGE	LUMENS	1	2	3	4
25	3125				
30	3750				●
40	5000			●	
45	5625		●		
50	6250	●			

*figure 2*

Adjust dip switches by moving each switch to the ON or OFF position



Thank you for choosing

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To check for an updated version of these instructions, please visit [www.litetronics.com](http://www.litetronics.com)

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References

-  [Commercial Lighting Company | LED Lighting Solutions](#)