



**Green Electrical Supply**

maximize your green<sup>®</sup>

[www.GreenElectricalSupply.com](http://www.GreenElectricalSupply.com)

### SAFETY WARNINGS

### IMPORTANT SAFETY INFORMATION

#### DANGER

**Risk of shock.** Disconnect power before installation.  
*DANGER- RISQUE DE CHOC- COUPER L'ALIMENTATION AVANT L'INSTALLATION*

#### WARNING

**Risk of fire or electric shock.** LED Retrofit Kit installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Product must be installed in accordance with NEC or your local electrical code. If you are not familiar with these codes and requirements, contact a qualified electrician.

*ATTENTION- Risque d'incendie ou de choc électrique. L'installation du kit upgrade LED exige la connaissance des systèmes électriques pour luminaires. Si non qualifié, ne tentez pas d'installation. Ce produit doit être installé conformément à NEC ou votre code électrique local. Si vous n'êtes pas familier avec ces codes et ces exigences, veuillez contacter un électricien qualifié.*

#### WARNING

**Risk of fire or electric shock.** To prevent wiring damage or abrasion, do not expose wires to the edge of sheet metal or any other sharp objects.  
*ATTENTION- Pour éviter les dégâts de câblage par l'abrasion, ne pas mettre en contact les fils électriques avec des bords de tôle ou d'autres objets pointus.*

#### WARNING

**Risk of fire or electric shock.** Check the existing wiring for damage before installing upgrade kit. Do not install if existing wires are damaged.  
*ATTENTION- Risque d'incendie ou de choc électrique. Vérifier si le câblage existant n'est pas endommagé avant l'installation du kit upgrade LED. Ne pas installer si des fils sont endommagés.*

#### WARNING

**Risk of fire or electric shock.** Luminaire wiring and electrical parts may be damaged when drilling for installation of the LED upgrade kit. Check for enclosed wiring and components.  
*ATTENTION- Risque d'incendie ou de choc électrique. Câblage électriques peuvent être endommagés lors du perçage pour l'installation du kit upgrade LED. Vérifier les fils et composants.*

### UNPACKING THE KIT

**Suitable for 2'x2' and 2'x4' luminaires with minimum 3" height. Luminaires may be Type IC, may include a lens and may be listed for elevated ambients of up to 40°C max.**

**Convient au luminaire de 2'x2' et de 2'x4' ayant une hauteur minimum de 3". Les luminaires peuvent être de type IC, peuvent inclure une lentille et peuvent être répertoriés pour des températures ambiantes élevées allant jusqu'à 40°C max.**

#### Minimum Dimensions

The Retrofit Kit is for installation in a 2'x2' or 2'x4' luminaire with the following minimum dimensions:

- 3" deep pan
- 3" wide minimum wiring compartment
- 43" minimum length to accommodate 4' light bars; 22" minimum length to accommodate 2' light bars
- Only one kit is to be installed per luminaire

**NOTE:** Consult your local authority regarding disposal or recycling procedures of removed ballast and lamps.

**SUITABLE FOR DAMP LOCATIONS.  
NOT FOR USE WITH PHASE CUT DIMMERS.  
CONVIENT AUX EMBLEMENTS HUMIDES.  
NE PAS UTILISER AVEC GRADATEUR À COUPURE DE PHASE.**

#### 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.

*ATTENTION- Risque d'incendie ou de choc électrique. Installez ce kit seulement dans les luminaires qui ont les caractéristiques de construction et les dimensions dans les photographies ou les dessins de la page suivante.*

**Only the holes indicated in the photographs or drawings may be made or altered as a result of the kit installation. Do not leave any other holes open in a wiring enclosure or electrical component.**

*Seulement les trous indiqués dans les photographies ou les dessins peuvent être faits ou altérés pour l'installation du kit upgrade LED. Ne laissez aucun trou ouvert dans le compartiment électrique.*

**NOTE THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY CSA OR AUTHORITIES HAVING JURISDICTION.**

**LE NÉCESSAIRE DE MODERNISATION EST ACCEPTÉ À TITRE DE COMPOSANT D'UN LUMINAIRE LORSQUE LA PERTINENCE DE LA COMBINAISON DOIT ÊTRE DÉTERMINÉE PAR LA CSA OU PAR LES AUTORITÉS COMPÉTENTES.**

#### Supplied Components

- |  |                                     |
|--|-------------------------------------|
| (2) EVERLINE LED Lensed Modules/Light Bars       | (2) Driver Screws (Serrated Washer) |
| (1) EVERLINE Driver                              | (2) Connectors (Orange, 3-Position) |
| (1) Black and White Driver Input Extension Wires | (2) Connectors (Red, 2-Position)    |
| (1) Red and Blue Driver Output Extension Wires   | (1) Relamp Label                    |
| (6) Light Bar Screws                             |                                     |

### INSTALLATION



**Step 1:** Disconnect power to the fixture.

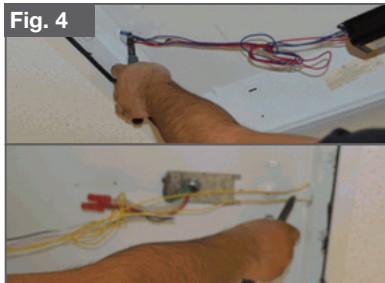
**Step 2:** Locate latches on the lens frame and release. Swing lens frame open and carefully allow lens to hang open as shown in **Figure 1**.



**Step 3:** Remove existing linear fluorescent tubes as shown in **Figure 2**. Dispose of tubes per local regulations.



**Step 4:** Remove wiring compartment to access existing ballast and set aside. See **Figure 3**.



**Step 5:** Cut the leads from the ballast to the socket housing on both ends of the fixture as shown in **Figure 4**.

**NOTE:** Cut the leads at the socket housing as short as possible. Push the leads back behind the lampholder housing or cap any exposed leads.

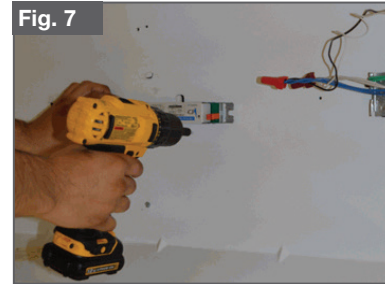


**Step 6:** Cut the leads from the input power to ballast. See **Figure 5**.

**NOTE:** Cut leads at the ballast leaving as much length as possible to facilitate installation of the driver. Strip wires as necessary.



**Step 7:** Remove ballast by unscrewing from the fixture and dispose of properly per local regulations. See **Figure 6**.



**Step 8:** Locate a flat area on the fixture within the wiring compartment to mount the driver. The driver must set flush with the fixture for proper thermal management. Install the driver where possible using existing crow's feet or mounting holes, and the provided two drill point screws with serrated heads. Ensure driver is properly grounded. See **Figure 7**.



**Step 9:** Peel liner from double-sided foam tape strips at opposite corners of light bar. Position light bar approximately at the centerline of existing lamp sockets and centered between the sockets as shown in **Figure 8**. Apply pressure to temporarily affix the light bar.

**NOTE:** Remove any support brackets for U-Bend fluorescent lamps. These are typical in some 2'x2' luminaires.

### INSTALLATION

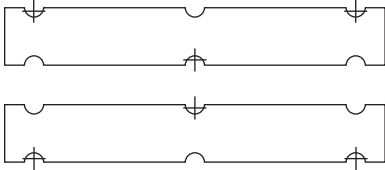
Fig. 9



**Step 10:** Once positioned, secure light bar to the fixture with the (6) provided self-tapping screws as shown in **Figure 9**. Repeat for additional light bars.

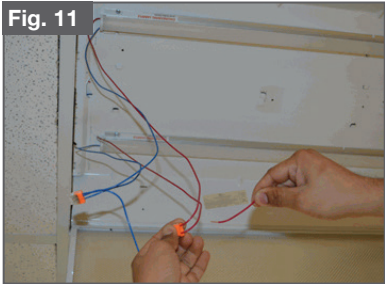
**CAUTION:** Foam tape is temporary for ease of installation. Do not complete retrofit installation without securing screws (3 per lamp).

Fig. 10



**Step 11:** Recommended mounting pattern. See **Figure 10**.

Fig. 11



**Step 12:** Connect red leads from both light bars to the loose red lead wire with the supplied orange 3-position connector by pushing into the open slot. Repeat for blue leads. See **Figure 11**.

Fig. 12



**Step 13:** Connect red and blue lead wires to the correct driver contacts as indicated on the driver label. See **Figure 12**.

Fig. 13



**Step 14:** Prepare input power leads by stripping 1/4". Connect power lead wires to the correct driver contacts as indicated on the driver label. See **Figure 13**

**NOTE:** If the existing black and white lead wires are too short to reach the new driver position, an extension can be created using the provided black and white leads and red two-position connector.

### Step 15: Wiring Schematics

Fig. 14

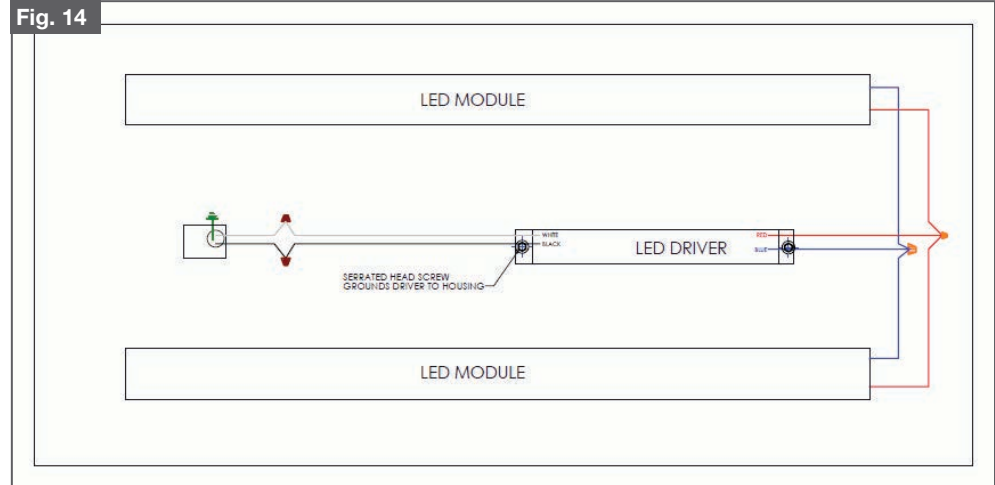


Fig. 15



**Step 16:** Replace wiring compartment cover. Dress light bar leads under the cover. Take care not to pinch red and blue leads between the cover and fixture.

**Step 17:** Place relamp label at a visible location in the fixture. Close lens and secure latches.