

INSTALLATION INSTRUCTIONS

HIGH BAY LED RETROFIT KIT

I4047000 Rev A

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 luminaires 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

For use in non-lensed 2ft by 4ft Fluorescent Surface-Mounted Luminaire, with minimum wiring compartment dimensions of 1-3/4" by 3" by 4ft, suspended by a minimum of 12 inches from the ceiling, suitable for damp locations and suitable for 40°C ambient max.

Pour utilisation dans luminaires fluorescent surface sans lentille de 2 pi par 4 pi, avec une dimension minimum du compartiment de câblage de 1-3/4" par 3" par 4 pi, suspendu par un minimum de 12 pouces du plafond, convient aux endroits humides et convient à une température ambiante max. de 40 ° C.

Supplied Components

- (3) Universal Douglas LED Modules/Light Bars
- (1) Universal Douglas Driver
- (3) Screws supplied per 4' Light Bar
- (6) Connectors (Orange 3-Position)
- (1) Relamp Label

**SUITABLE FOR DRY LOCATIONS.
NOT FOR USE WITH PHASE CUT DIMMERS.
CONVIENT AUX EMBLEMES 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.

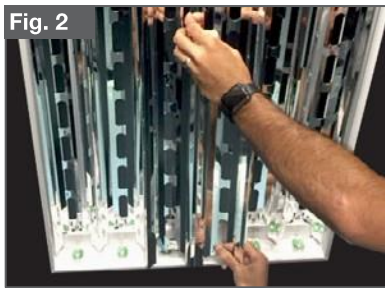
Seulement les trous indiqués dans les photographies ou les dessins peuvent être faits ou altérés pour l'installation du kit upgrade LED. Ne laissez aucun trou ouvert dans le compartiment électrique.

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.

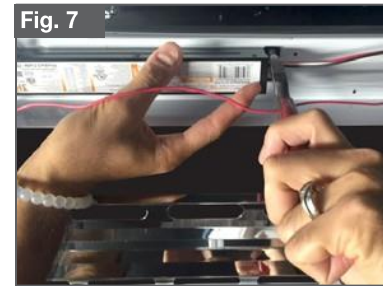
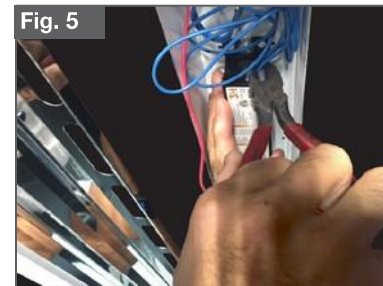
INSTALLATION



Step 1: Disconnect power from the fixture.

Step 2: Remove existing linear fluorescent lamps as shown in **Figure 1**. Dispose of lamps per local regulations.

Step 3: Remove wiring compartment cover to access existing ballast and set aside. (See **Figures 2, 3, 4**)



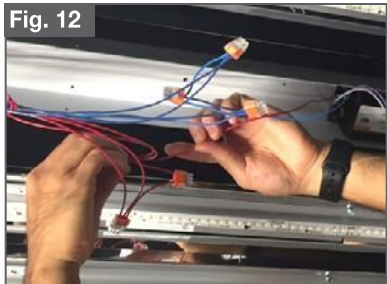
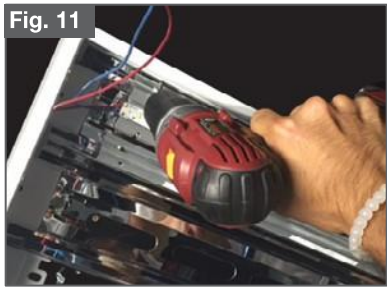
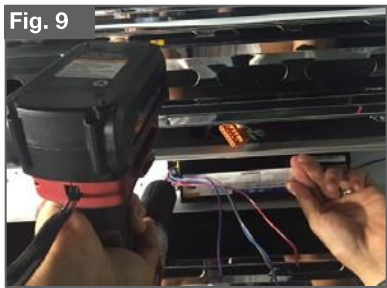
Step 4: Cut the leads from the ballast to the socket housing on both ends of the fixture as shown in **Figures 5-6**.

Step 5: Cut the leads from the input power to the ballast. See **Figure 7**.

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

Step 6: Remove the ballast by removing the ballast mounting screw(s) from the fixture and dispose of properly per local regulations. See **Figure 8**.

INSTALLATION



Step 7: Mount the driver into the fixture wiring compartment on a flat surface. The driver mounting surface must be set flush to 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 the driver is properly grounded. See **Figure 9**.

Step 8: Position the light bars approximately centerline between the existing lamp sockets of the outer four reflectors as shown in **Figure 10**. Secure each light bar to the reflector with the (6) provided self-tapping screws shown in **Figure 11**.

Step 9: Connect red leads from both light bars to the red lead wire of the LED driver with the supplied orange 3-position connector by pushing into the open slot. Repeat for blue leads. See **Figure 12**.



Step 10: Connect the input power lead wires of the LED driver to the branch circuit power conductors **Figure 13** as indicated on the wiring diagram shown on the LED driver label. See **Figure 15**.

NOTE: Optional 0-10Vdc Analog Dimming interface

- Use Violet (+) and Gray (-) for connection to 0-10Vdc.
- Capping Violet and Gray leads separately provides 100% light output.
- Wiring Violet and Gray leads together provides minimum light output.
- The dimming control connections on the LED driver are for Class 2 wiring methods only. Separate the dimming control field wiring from the branch circuit field wiring in the wiring compartment in accordance with the National Electrical Code.

Step 11: Replace wiring compartment cover. Take care not to pinch the red and blue leads between the cover and the fixture. See **Figure 14**.

Step 12: Place the re-lamp label at a visible location in the fixture.

