

---

# Image L80 Retrofit Instructions



**KINO FLO**  
Lighting Systems

# Image L80 Retrofit



This instruction sheet is to be used with the Image L80 LED 120V or 230V upgrade kit (L80-120U or L80-230U) to upgrade prior fluorescent products: IMG-80X, IMG-85X, IMG-87X models. Upgrade includes latest LED technology that comes standard on Kino Flo's Celeb, FreeStyle and Diva-Lite LED's. The Gel Frame and Silver Louver can be repurposed once completed. The new LED conforms to ETL electrical standards.

Instructions for the Image L80 and L40 and latest LED software can be found on Kino Flo's website [www.kinoflo.com](http://www.kinoflo.com).

# L80 LED DMX Upgrade Assembly



**L80U** Image L80 LED DMX Upgrade Assembly, Univ

## L80T



**L80T** Image L80 LED Upgrade Drill Template

# Required Tools



## Tools required:

Drill

Drill bits for Template starter holes: 9/64" (3.5mm), #9 (5mm) (included with L80T)

Torx bit T20 2" (included with L80T)

Socket for Base: 5/32" or 8mm

Phillips Screwdriver

Wire Cutter

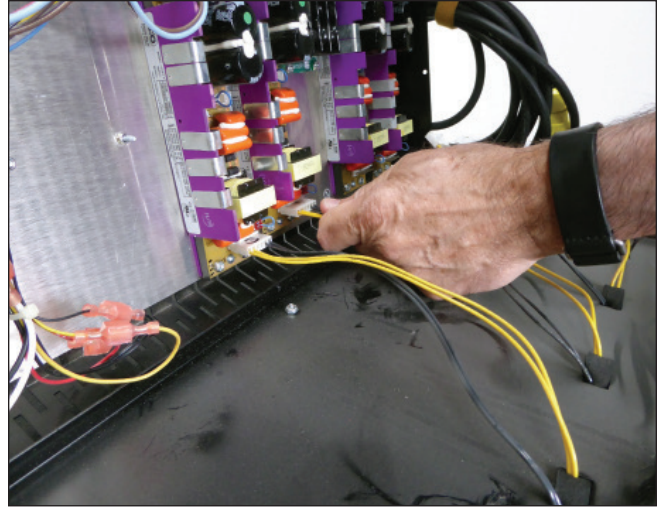
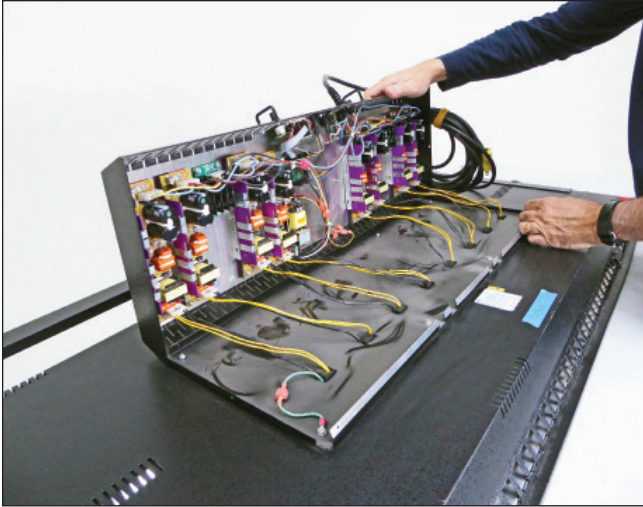
Torx T20 Driver

# Disassembly



Mark the bottom of the fixture. This will identify the fixture orientation after cables and ballasts are removed.



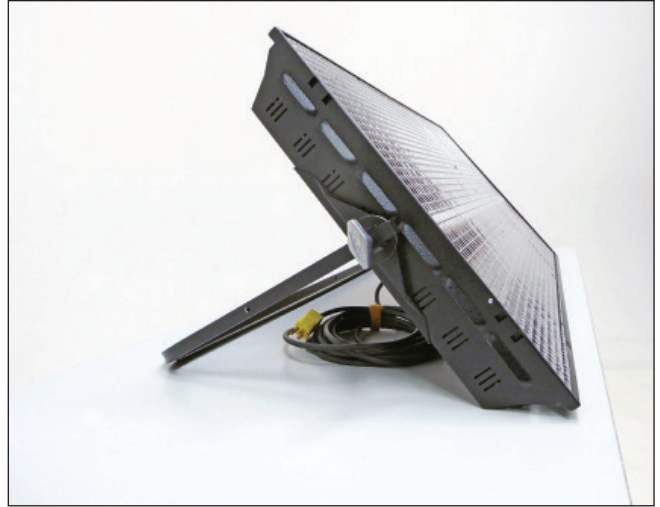


Unscrew lid and disconnect all the cables from the ballasts.  
Remove the lid assembly.



Remove rubber plugs and disconnect ground wire.

**Important note:** Remove and keep the base and nuts as they will be re-used.

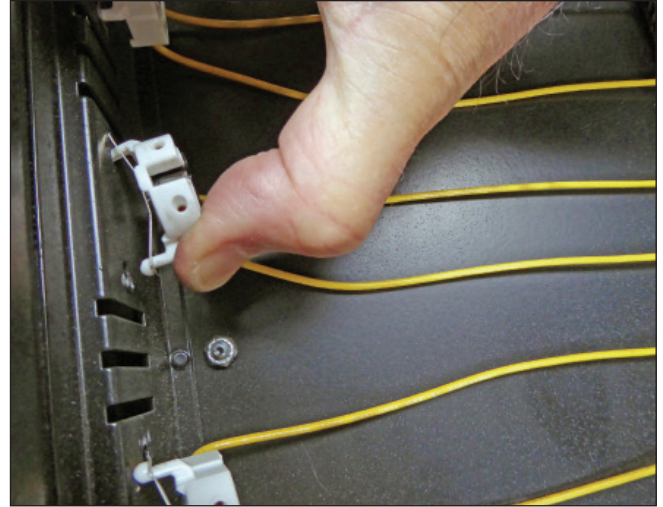
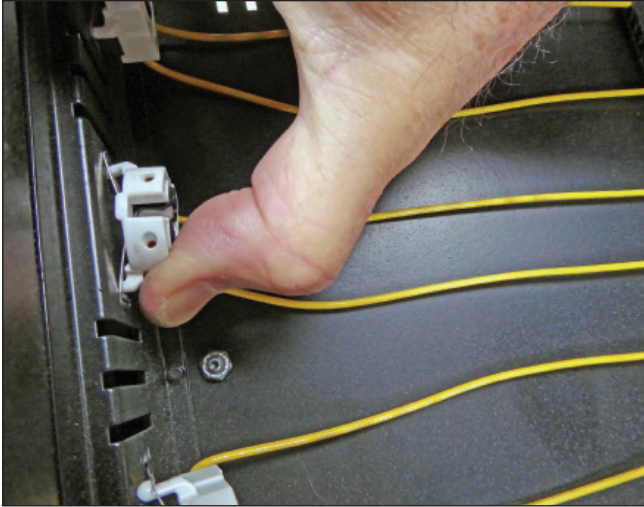


**Important note:** Remove and keep black nylon stand-offs as they will be reused. Turn the fixture over.

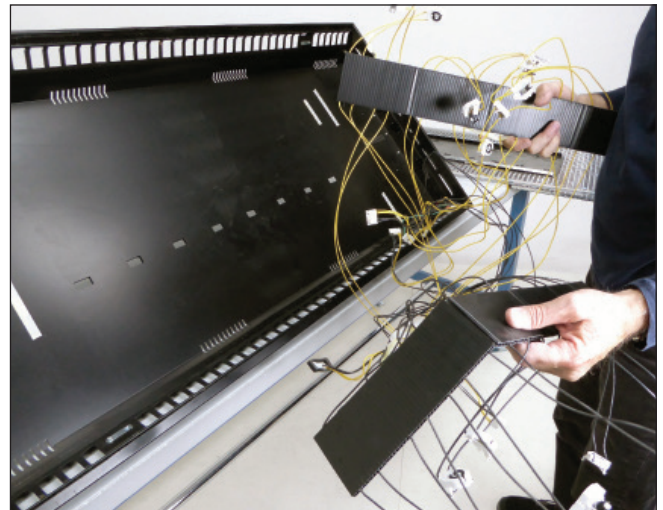
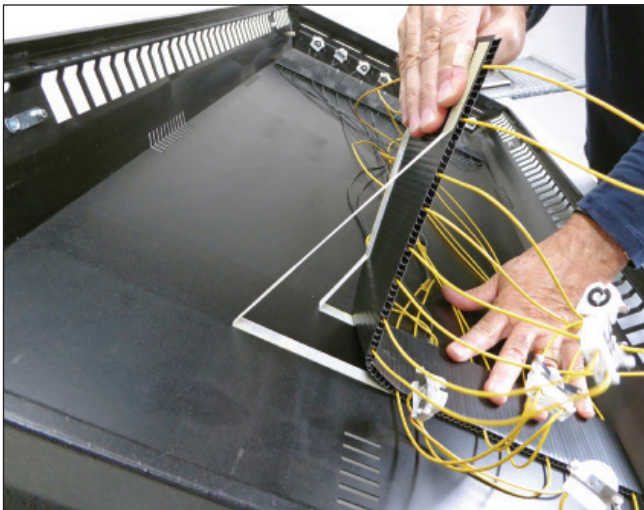


Remove louver, gel frame and reflector. The reflector is held down by double-sided tape. It is not necessary to remove all the tape.

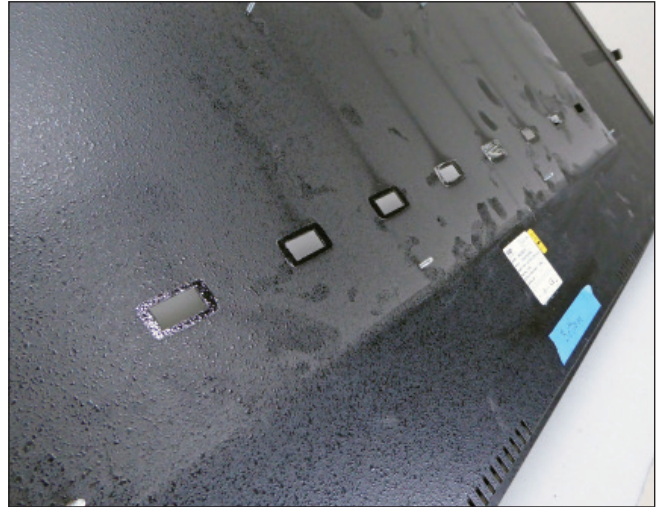




Remove lamp holders by pressing one end in and pushing upwards to disengage tab.



Peel back corrugated plastic and wires. Feed cables out through fixture, remove wire assembly and discard. Not important to remove remaining double-sided tape.



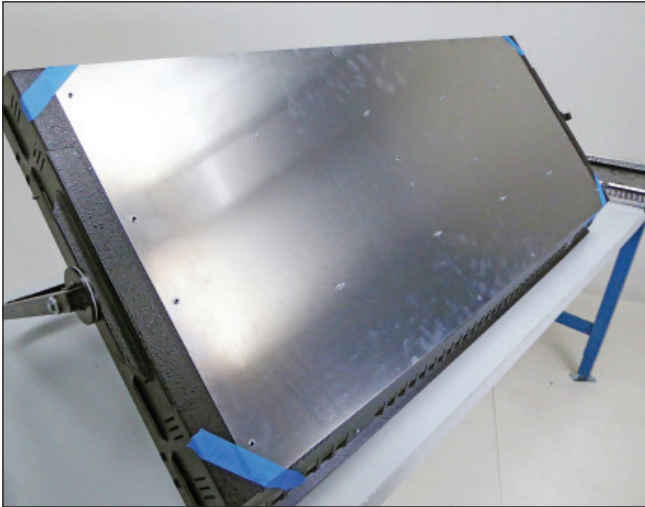
Remove all rubber bushings.

## Drill Template



Place drill template (L80-T) on the back side of the fixture as shown. Studs that held the base are used to register the drill template.





Tape down the corners for added stability. Using the template, drill starter holes with the 9/64" (3.5mm) drill bit (included) to drill out template holes.

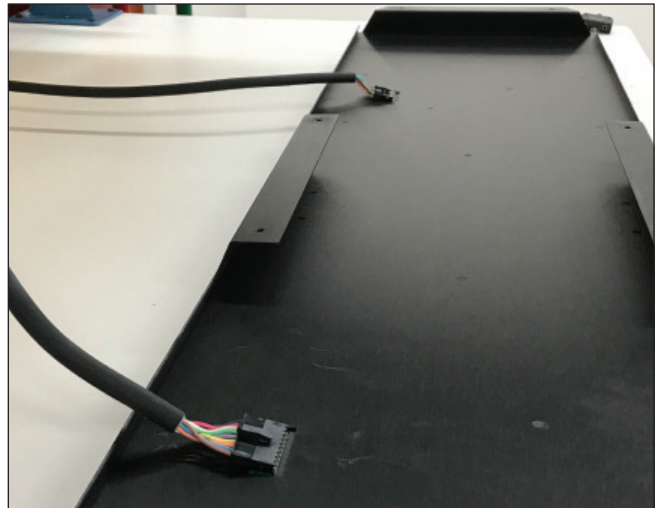
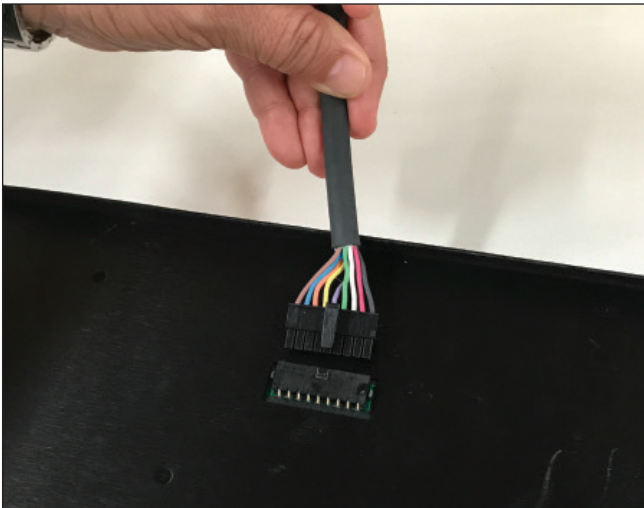


Clean off metal shavings. Remove template and drill out the template holes using the #9 (5mm) drill bit (included).



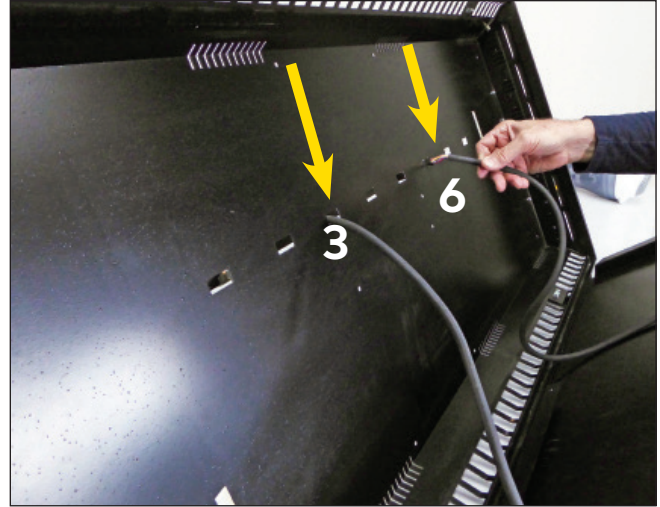
Position fixture with bottom side up. Clean fixture of metal shavings and deburr any drilled holes that may have slight burrs.

## Assembly L80

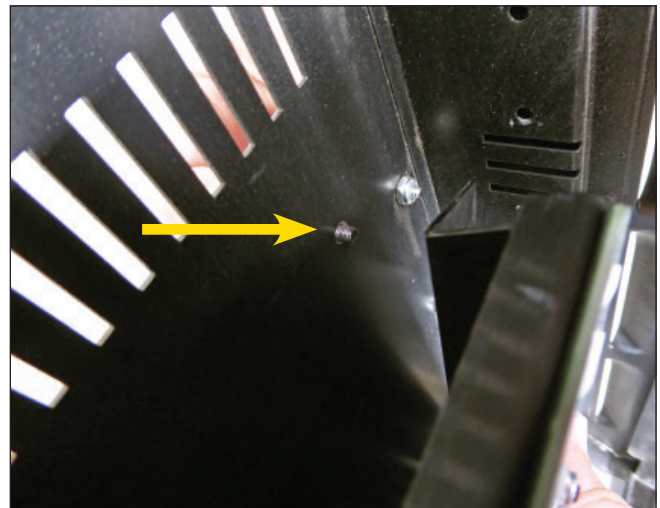
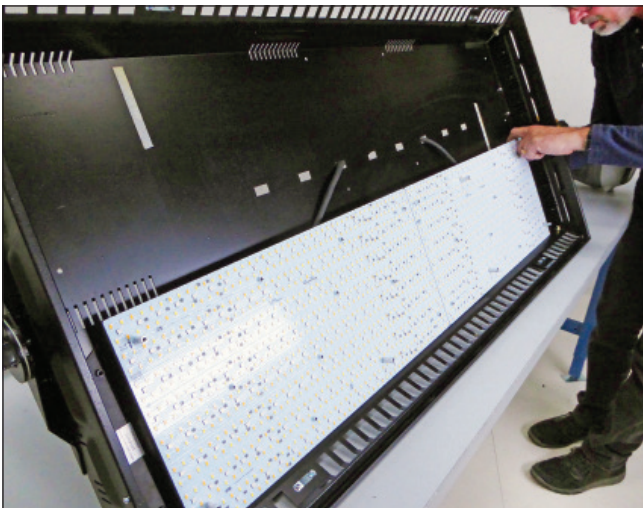


Connect two (2) harnesses (P/N 6260035) to each LED panel (P/N 6000147) by sliding harness connectors into lock tabs.





Install one LED panel (P/N 6000147) with two harnesses (P/N 6260035) oriented up towards center of the fixture. Feed two harnesses through hole positions 3 and 6 left to right as illustrated.



Secure the panel with eight (8) torx screws (P/N 2020177). Feed each screw from back of fixture and loosely thread them to the panel. Hand tighten. Do not completely tighten. The panel should be secured but able to move slightly. This will make assembly of the clear diffuser panel easier.





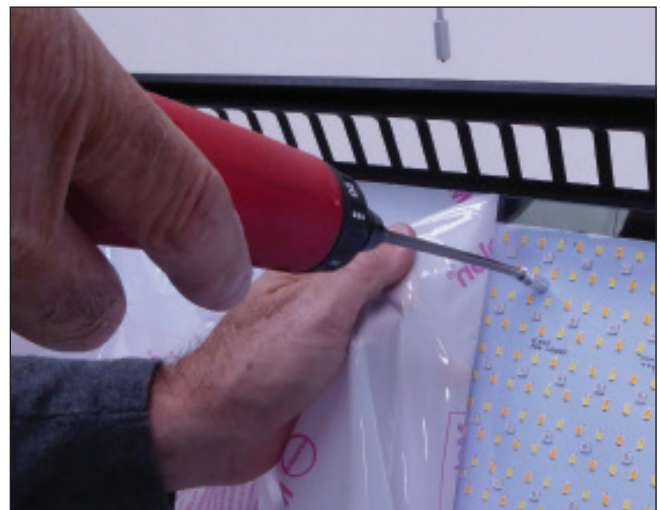
Apply second LED panel (P/N 6000147) with two harnesses (P/N 6260035). Feed two harnesses through hole positions 2 and 7 left to right as illustrated. Hand tighten and secure loosely as first panel with eight (8) torx screws.



Clean off any dust on the diffuser panel (P/N 5340031). Remove clear liner making sure that panel is handled along the edge so as not to put finger prints on the panel.

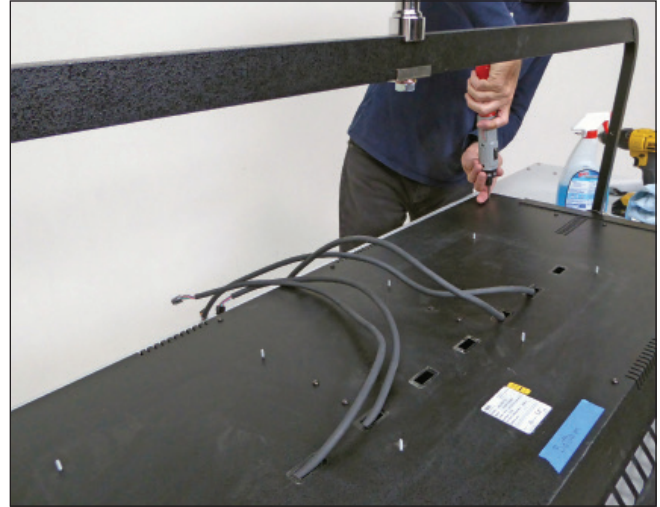


Install diffuser panel as shown and align with pre-drilled holes.

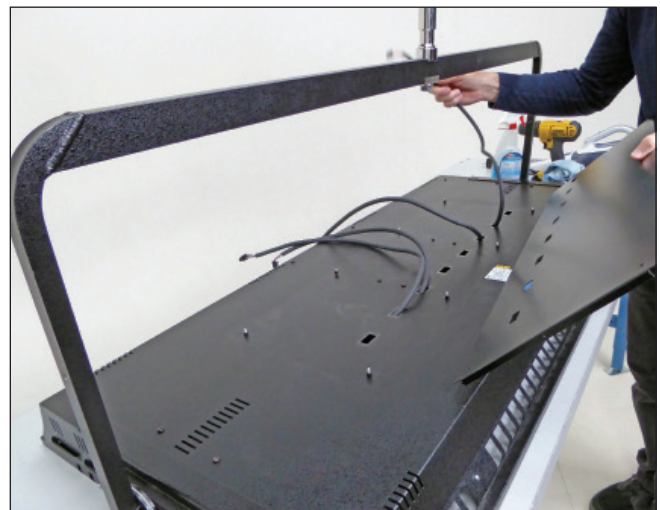


Do not peel off liner completely. Start peeling liner in one corner to expose a screw point and loosely hand tighten screw (P/N 2020159). Continue to peel liner to next screw point and loosely hand tighten screw and so on until twelve (12) screws have been hand tightened.



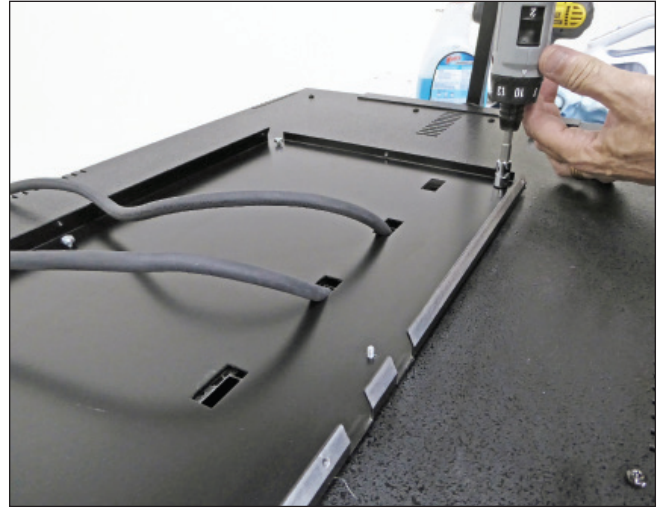
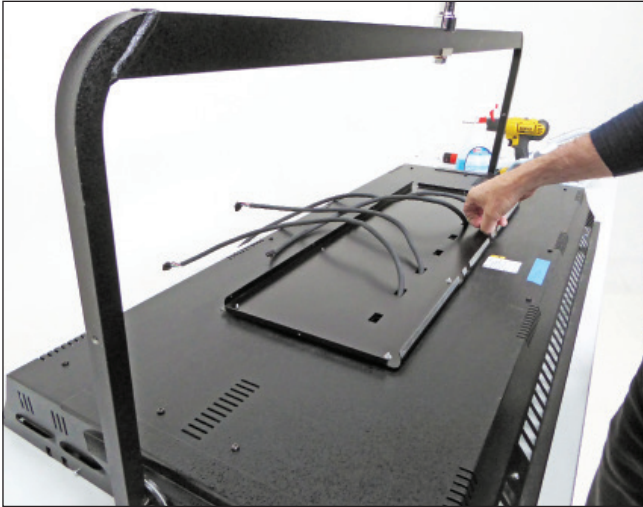


Tighten diffuser screws first, then remaining screws for the LED panel from the back of the fixture.

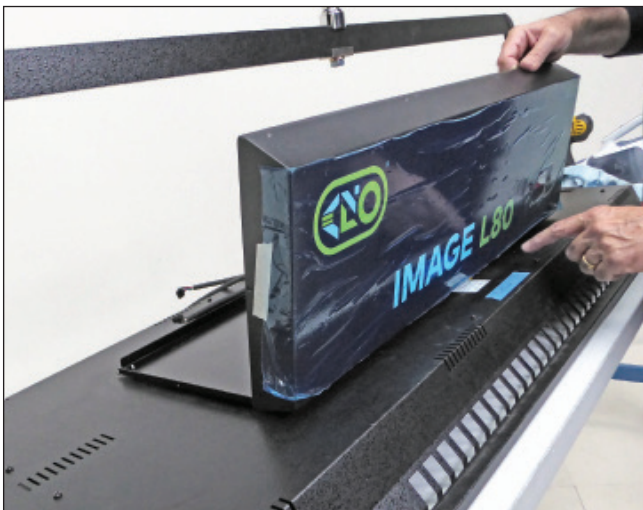


Replace the black nylon stand-offs for the base. Feed harnesses through the base as illustrated.

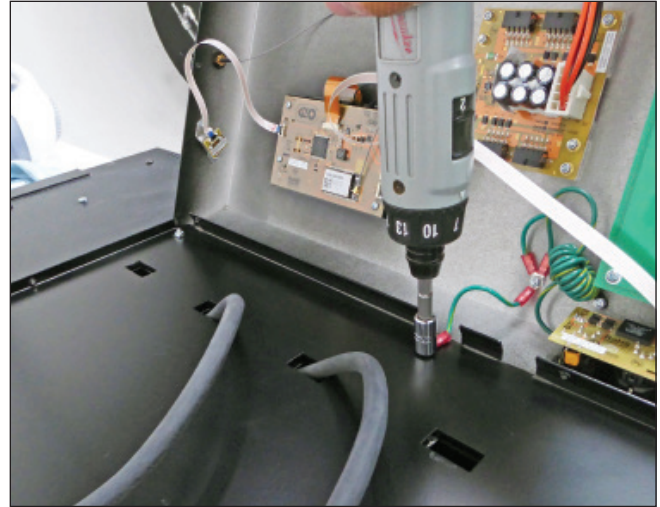




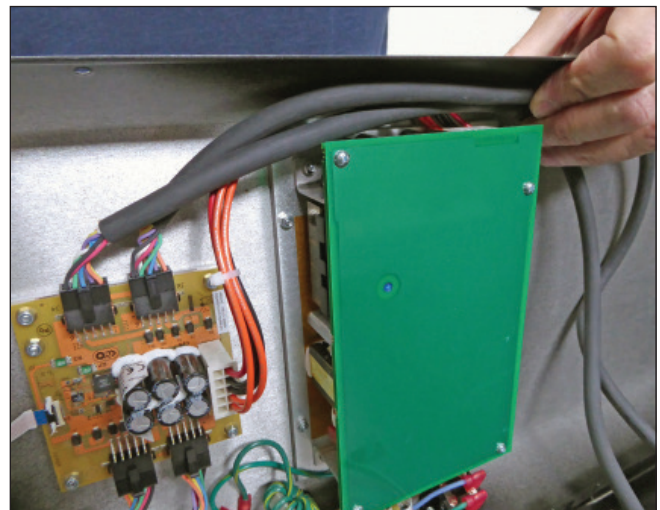
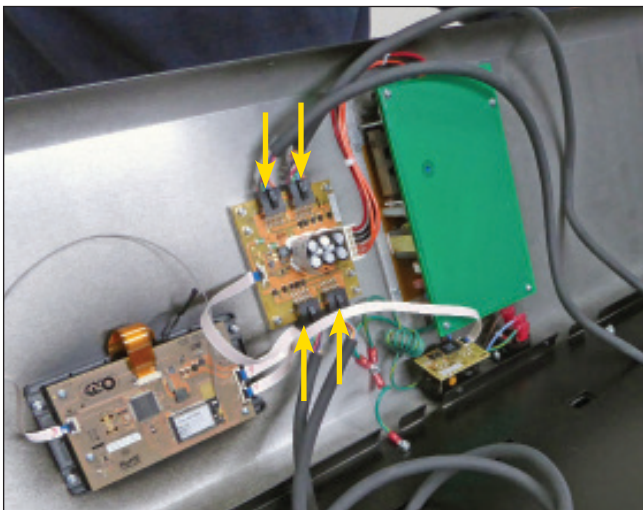
Secure the base to the fixture. Re-use the nuts that were previously removed.



Align the lid assembly (P/N 6000146) to the base as shown.  
Add lock tooth washer (P/N 2030048) to the ground stud.

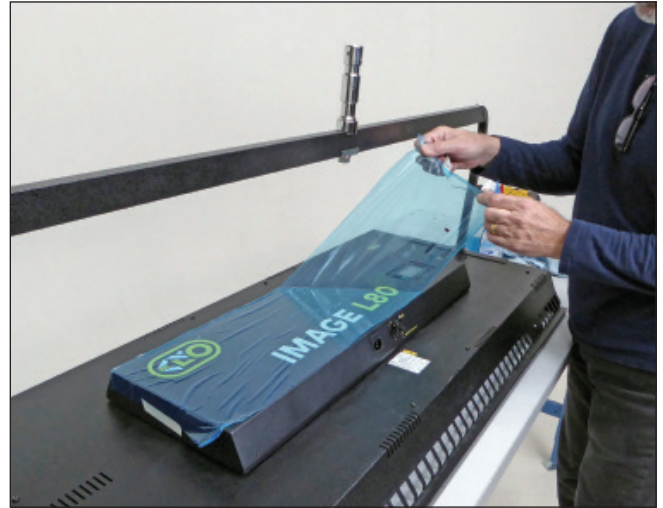


Secure the ground wire as illustrated. Re-use nut and tighten.



Connect harnesses from LED panels to LED power module as illustrated. Ensure the connectors are locked in place. Take care not to disengage any of the white ribbon control cables in the lid. Coil the excess cable and tuck in the harness cables and tuck around the power supply.





Screw down the lid to the base using ten (10) provided screws (P/N 2020030). Peel off protective plastic.



Connect power cable (P/N PWC-L12/120 or PWC-L12/230). Apply power and check that all LED's are responding correctly.



**WARNING – RISK OF FIRE OR ELECTRIC SHOCK.**

INSTALLATION OF THIS RETROFIT KIT REQUIRES A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE LUMINAIRE'S ELECTRICAL SYSTEM AND THE HAZARD INVOLVED. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN

**WARNING – RISK OF FIRE OR ELECTRIC SHOCK.**

INSTALL THIS KIT ONLY IN THE LUMINAIRE THAT HAS 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** – TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.

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.

THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES. THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.

**AVERTISSEMENT – RISQUE D'INCENDIE OU DE CHOC ELECTRIQUE.**

L'INSTALLATION DE CE NÉCESSAIRE DE ODERNISATION EXIGE UNE PERSONNE FAMILIÈRE AVEC LA CONSTRUCTION ET LE FONCTIONNEMENT DU SYSTÈME ÉLECTRIQUE DU LUMINAIRE ET DES RISQUES ASSOCIÉS. TOUTE PERSONNE QUI N'EST PAS QUALIFIÉE NE DOIT FAIRE AUCUNE TENTATIVE D'INSTALLATION ET DOIT CONTACTER UN ÉLECTRICIEN QUALIFIÉ.

**AVERTISSEMENT – RISQUE D'INCENDIE OU DE CHOC ÉLECTRIQUE.**

N'INSTALLER CE NÉCESSAIRE QUE DANS LE LUMINAIRE DONT LES CARACTÉRISTIQUES DE CONSTRUCTION ET LES DIMENSIONS SONT CONFORME À CELLES ILLUSTRÉES DANS LES PHOTOS ET/OU LES DESSINS ET DONT LA PUISSANCE D'ENTRÉE NOMINALE DU NÉCESSAIRE DE MODERNISATION NE DÉPASSE PAS CELLE DU LUMINAIRE.

**AVERTISSEMENT** – AFIN DE PRÉVENIR L'ENDOMMAGEMENT OU L'ABRASION DES CÂBLES, ÉVITER TOUT CONTACT ENTRE CES DERNIERS ET LE BORD D'UN OBJET TRANCHANT TEL QU'UNE TÔLE.

SEULS LES OUVERTURES INDIQUÉES DANS LES PHOTOS ET/OU LES DESSINS PEUVENT ÊTRE FAITS OU MODIFIÉS À LA SUITE DE L'INSTALLATION DU NÉCESSAIRE. IL EST INTERDIT DE LAISSER D'AUTRES OUVERTURES DANS UN BOÎTIER DE CÂBLAGE OU DE COMPOSANTS ÉLECTRIQUES.

LE NÉCESSAIRE DE MODERNISATION EST ACCEPTÉ À TITRE DE COMPOSANT D'UN LUMINAIRE LORSQUE LA PERTINENCE DE LA COMBINAISON DOIT ÊTRE DÉTERMINÉE PAR LES AUTORITÉS COMPÉTENTES. CE PRODUIT DOIT ÊTRE MIS EN PLACE PAR UN ÉLECTRICIEN QUALIFIÉ CONFORMÉMENT AUX CODES ÉLECTRIQUES APPROPRIÉS APPLICABLES. LE GUIDE D'INSTALLATION NE SUPPLANTE PAS LES RÈGLEMENTS LOCAUX OU NATIONAUX EN MATIÈRE D'INSTALLATIONS ÉLECTRIQUES.

**FCC Part 15 Verification:**

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

**FCC Part 15 Declaration of Conformity:**

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



KINO FLO, INC  
Image L80 & L40 LED  
ID: XRSCRMXTIMO101  
IC: 8879A-CRMXT101



ETL CLASSIFIED



Intertek

For latest Warranty information and Certifications, see Kino Flo website at [www.kinoflo.com](http://www.kinoflo.com).

**Environmental: Disposal of Old Electrical & Electronic Equipment.**

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. This product is made of recyclable materials and should be disposed of in accordance with governmental regulations.

Kino Flo, Inc. 2840 N. Hollywood Way, Burbank, CA 91505, USA  
Tel: 818 767-6528 website: [www.kinoflo.com](http://www.kinoflo.com)