

INSTALLATION AND ASSEMBLY INSTRUCTIONS

LEGACY™ & LEGACY™ SCOTTSDALE®

CRUK UNV SC / CRUSK UNV SC & CRUK UNV SCDL / CRUSK UNV SCDL

CROSSOVER® UNIVERSAL SUPERKIT®

LSI INDUSTRIES INC. MA/DA MASTERS®/DAKOTA®

Crossover®
LED LIGHTING TECHNOLOGY

SMARTVISION®



SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

BEFORE YOU BEGIN

Read these instructions completely and carefully, observing all CAUTIONS and WARNINGS shown throughout these instructions.

WARNING! RISK OF FIRE OR ELECTRIC SHOCK

- Disconnect power before installation or servicing.
- WARNING - Risk of fire or electrical shock. Luminaire wiring, power supply, or other electrical parts may be damaged when drilling for installation of retrofit assembly hardware. Inspect wiring and components for damage.
- WARNING - Risk of fire or electrical shock. Do not alter, relocate, or remove wiring, lampholders, power supply or any other electrical component.
- WARNING - Risk of fire or electrical shock. Installation of this retrofit assembly 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 electrical shock. Install this kit only in the luminaires that has the construction features and dimensions shown in the drawings.
- Only those open holes indicated in the 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.
- Verify that supply wiring voltage matches power supply voltage by comparing it with the power supply label.
- Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.
- 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.
- LED RETROFIT LUMINAIRE CONVERSION FOR USE ONLY IN LSI INDUSTRIES INC, MODEL DAKOTA OR MASTERS LUMINAIRES IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED WITH THIS RETROFIT KIT.

CAUTION: RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Allow lamp/luminaire/driver to cool before handling.

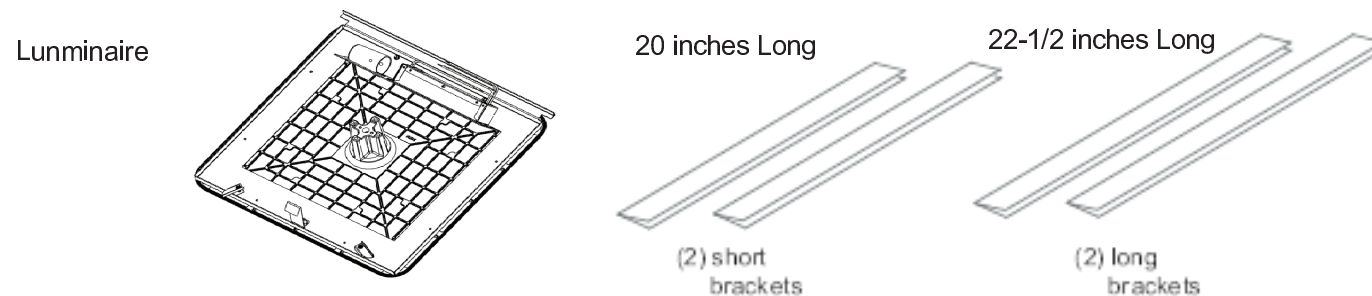
NOTICE: RISK OF PRODUCT DAMAGE- Failure to follow instructions could result in damage to product and void ALL warranties!

- Never connect components under load.
- Do NOT mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation.
- Do NOT restrict fixture ventilation. Allow for some volume of airspace around fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.

CRUK/CRUSK UNV SUPERKIT®, cont'd.

Suggested Tools: #3 Philips head screwdriver, small non-metallic mallet, pliers.

1. Unit ships in (5) parts: Luminaire and (4) Inner Flange Brackets. Identify the parts below



2. On old luminaire. Open and remove lens frame assembly. Remove lamp, door screw clip, reflector, and ballast cover.



Lens frame assembly removal



Reflector removal



Ballast cover removal

NOTE: Existing Ballast and Lampholder will remain installed and not interfere with Retrofit Kit.

3. Disconnect incoming power supply leads from old ballast. Inspect condition of existing supply wiring. Should wiring show signs of degradation due to excessive heat, replace incoming power leads with 90C minimum conductors.
4. Inspect existing luminaire housing for leaks; seal any holes with sealant (not supplied).

IMPORTANT: Use a non-metallic mallet when installing adaptor brackets in next step!

5. Inner Flange Brackets (4 total - 2 short and 2 long) are supplied so Superkit will install in many housings. Measure outside of luminaire housing:
 - a. If 21-3/4" square, (1) short and (1) long adaptor bracket are required. See Figure A.
 - b. If 23" square, (2) short and (2) long brackets are required. See Figure B.
 - c. If 21" square, no adaptor brackets are required. Proceed to step 6 on next page.



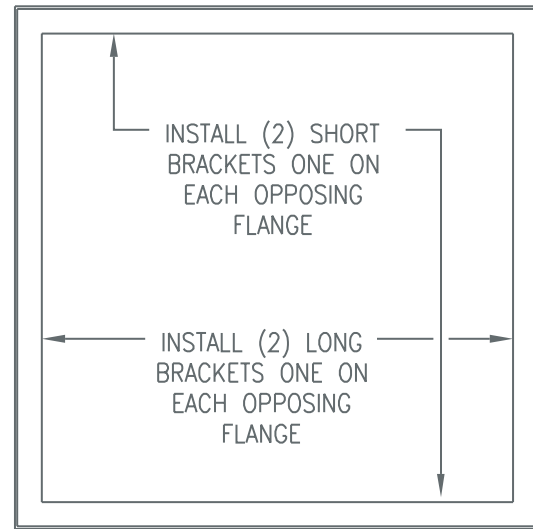
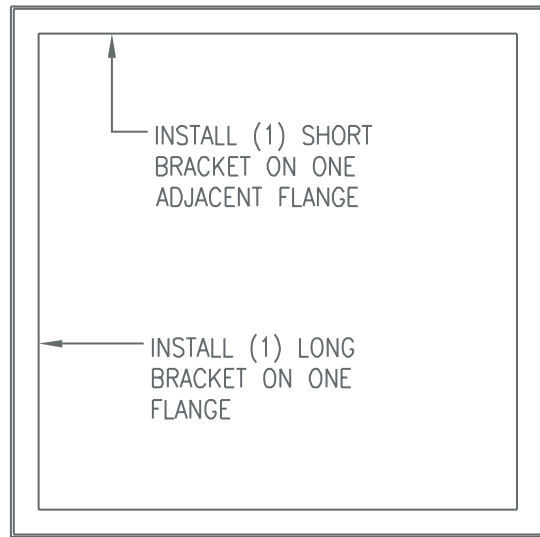


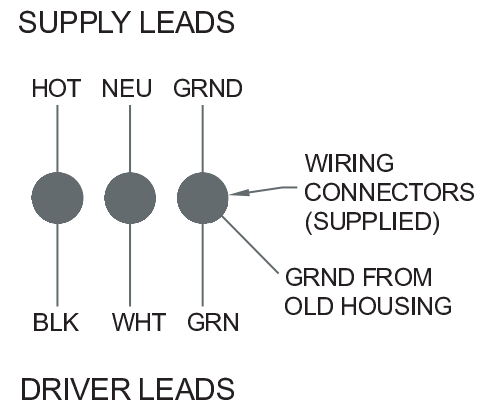
Fig. A. With pliers, snap off both ends of (1) long bracket at both slots. Install into one side of housing flange. Install short bracket over adjacent housing flange.

Fig. B. Install (2) long brackets onto opposing housing flanges. Install (2) short brackets over remaining housing flanges.

6. Hang Luminaire from housing flanges by hanging from hinge end, and then sliding back against flange. See Figure C on following page.

IMPORTANT: Following steps for qualified electricians only!

7. Make wiring connections from driver primary side to supply wiring, per National Electrical Code and local code. Be sure to use existing housing ground along with new Luminaire's ground.



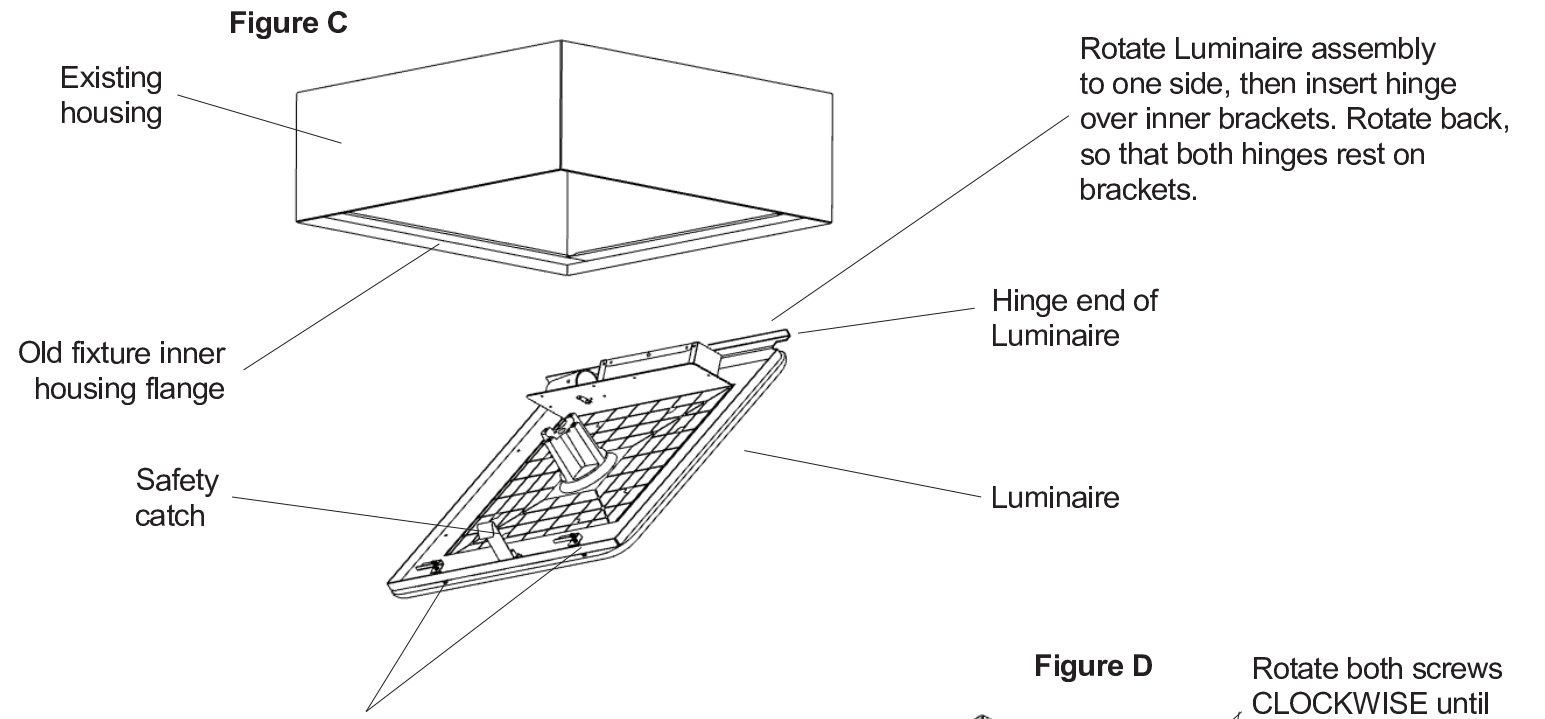
8. Secure supply wires using supplied wire tie on panel.

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

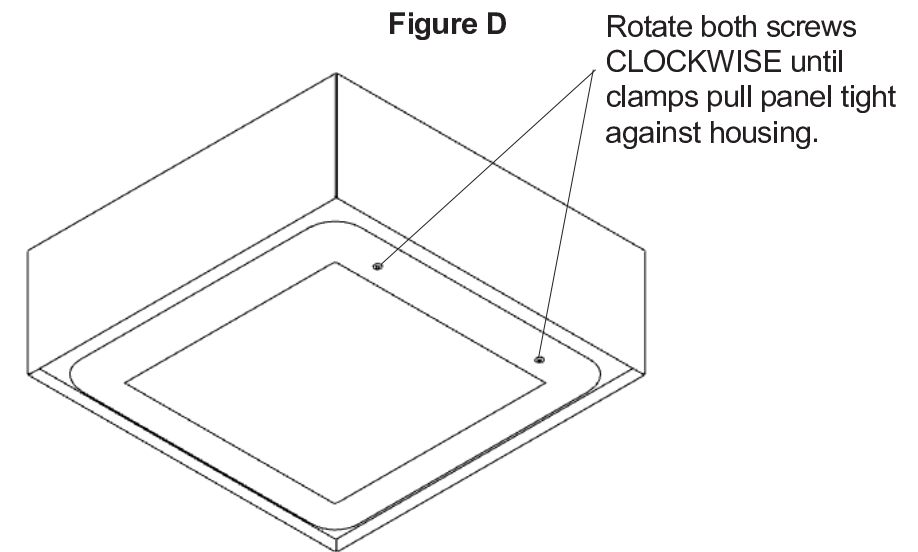
NOTE: Rotating Clamps **MUST** be parallel with luminaire side **BEFORE** swinging luminaire upwards! Rotate clamps to this position using screwdriver.

9. Swing panel upwards, so safety catch is engaged.

10. While holding panel upwards in place, rotate both rotating clamp screws **CLOCKWISE** to secure luminaire to housing. Continue turning both screws **CLOCKWISE** until clamps pull panel tight against housing. See Figure D.



Rotating clamp
NOTE: Before swinging luminaire upwards, rotate both clamps **COUNTER-CLOCKWISE** so clamps are parallel with luminaire side and pointing to left (as shown).



Installation Questions?
Call LSI Field Service Department at:
1-800-436-7800 Ext. 3300
Fax: 1-877-861-1368