

**READ AND UNDERSTAND THESE INSTRUCTIONS
BEFORE INSTALLING LUMINAIRE.**

This luminaire is intended for installation in accordance with the National Electrical Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electric shock, turn off electricity at main power supply before proceeding.
Retain these instructions for maintenance reference.

INSTRUCTION SHEET NO.

IS:1101F

D1007

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**INSTALLATION PROCEDURE FOR:
Lytecaster® 1101F, 1001F and 2001F Series Frame-In Kits**

**CAUTION: (RISK OF FIRE) THIS IS A NON-IC RATED FRAME-IN KIT.
DO NOT INSTALL INSULATION ABOVE OR WITHIN 3 INCHES (76mm) OF ANY PART OF LUMINAIRE.**

**CAUTION: USE ONLY WITH REFLECTOR TRIMS PROVIDED BY LIGHTOLIER. USE OF OTHER MANUFACTURER'S TRIMS
MAY VOID THE UNDERWRITERS LABORATORIES LISTING AND COULD CONSTITUTE A FIRE HAZARD.**

**CAUTION: BEFORE INSTALLING FRAME-IN KIT AND REFLECTOR TRIM, READ ALL MARKINGS ON FRAME-IN KIT AND
REFLECTOR TO DETERMINE LAMP WATTAGE AND TYPE APPLICABLE FOR YOUR INSTALLATION.**

INSTALLATION INSTRUCTIONS FOR GRID CEILING APPLICATIONS

1 PREPARATION: Cut appropriately sized hole in Ceiling Tile (by others) at the position desired and place Ceiling Tile in Grid (by others) (Figure A). Loosen Wing Nuts on Frame Clamps enough to allow free movement of Mounting Bars (Figure B).

APERTURE HOLE SIZE	
1101F SERIES	6-15/16" (176mm) DIA.
1001F SERIES	5-1/4" (134mm) DIA.
2001F SERIES	3-15/16" (100mm) DIA.

2 POSITION LUMINAIRE FRAME: Place Luminaire Frame on top of Ceiling Tile and center the frame aperture on the Ceiling Tile hole cut in Step 1 so that the aperture wall extends into the Ceiling Tile. Orient the Luminaire Frame to align with the grid (Figure C). Grasp the T-Bar Clips on each end, one in each hand, lift the clips to the top of the adjustment slots in the End bracket, extend the End brackets to contact the Ceiling Grid, and drop each T-Bar Clip over the Grid (Figure D).

NOTE: When the Luminaire Frame is to be used with Wall Wash Trims make sure to orient the Luminaire Frame side indicated by a label on the frame towards the wall to be illuminated.

3 CLAMP TO GRID and LOCK LUMINAIRE FRAME: Making certain that the Luminaire Frame is still centered on the Ceiling Tile, tighten the T-Bar Clip Wing Nuts to attach the frame to the Ceiling Grid (Figure E). Retighten the Wing Nuts on the Frame Lock Clamps after the frame is positioned satisfactorily and is locked to the Ceiling Grid.

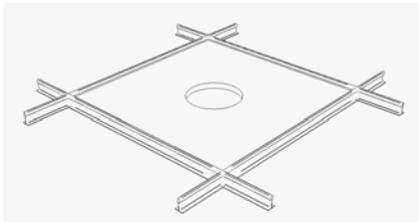


Figure A

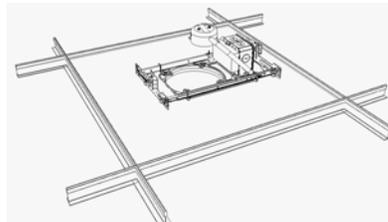


Figure C

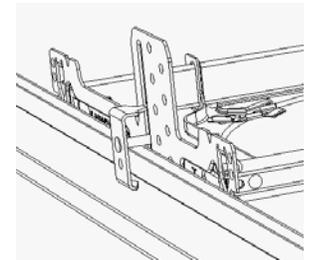


Figure E

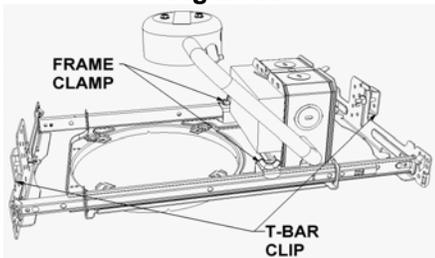


Figure B

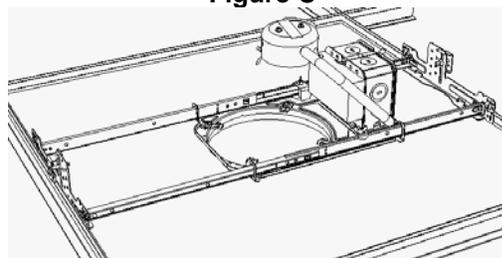


Figure D

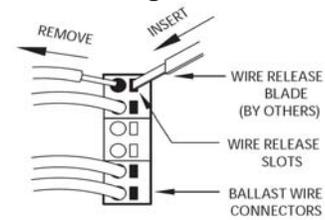


Figure F

* **BALLAST REPLACEMENT:** Ballast replacement must be performed by a "qualified electrician". **TURN OFF POWER.** Remove reflector trim from luminaire. Remove j-box cover to which the ballast is mounted by lifting the spring. For LC models remove two battery nuts. Remove ballast assembly through the ceiling hole. Disconnect all input wiring to the ballast. Release all wires from ballast wire connectors by inserting small blade tool, with insulated handle, into wire release slots (Figure F). Remove ballast from j-box door and replace with new ballast. Rewire and reassemble.

* **REFLECTOR TRIM INSTALLATION:** See separate Trim Instruction Sheet for installation procedure.

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INSTALLATION INSTRUCTIONS FOR WOOD FRAME CEILING APPLICATIONS

- 1 **PREPARATION:** Remove Wing Nuts on T-Bar Clips and remove clips from Luminaire Frame. Loosen Wing Nuts on Frame Clamps enough to allow free movement of Mounting Bars (Figure A).

NOTE: The Mounting Bars may be readily adjusted to fit openings between 13" (330mm) minimum and 24" (610mm) maximum. With modification the Frame may be installed in openings as small as 10-1/2" (267mm). See Below.

- 2 **POSITION AND INSTALL LUMINAIRE FRAME:** Position Luminaire Frame between joists with the End bracket at one end placed against, and flush to the bottom of, the joist (Figure B). When positioned, hammer the integral nailing tabs at both ends of the End bracket into the joist (Figure C). Extend the End bracket at the opposite end of the Luminaire Frame until it contacts the opposite joist. Align and attach. The frame can be fully secured by driving a nail or screw through any of the holes provided at each end of the End bracket. Slide the Luminaire Frame along the Mounting Bars until the aperture is in the desired position and lock the Frame in place by tightening the Wing Nuts on the Frame Clamps.

NOTE: When the Luminaire Frame is to be used with Wall Wash Trims make sure to orient the Luminaire Frame side indicated by a label on the frame towards the wall to be illuminated.

- * **INSTALLATION OPTION FOR REGIONS USING STRAPPING:** The Luminaire Frame may be installed directly to strapping as above by screwing the end bracket to the strapping using the hole provided. Nailing Tabs are not used. The upper end bracket tabs (Figure D) may be bent 90° to support the luminaire frame on top of strapping.

Optionally, the Luminaire Frame may be attached to the joists between strapping, and positioned 5/8" lower to account for the strapping thickness, by bending the lower end bracket tabs 90° as shown (Figure D) with a pair of pliers. These bent tabs may now be used to position the Luminaire Frame vertically with reference to the joists so that the frame is flush to the strapping. Attach the Luminaire Frame to the joists as described above (Figure E).

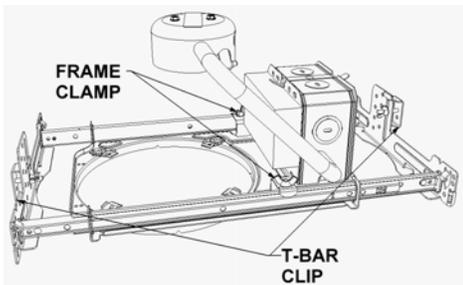


Figure A

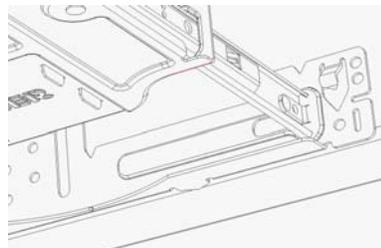


Figure C

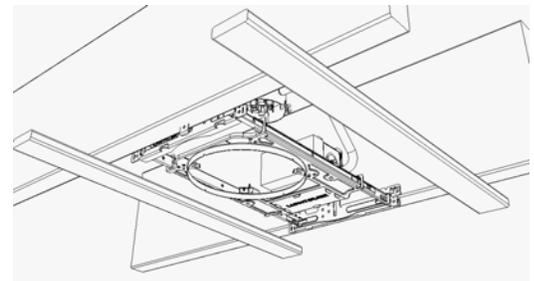


Figure E

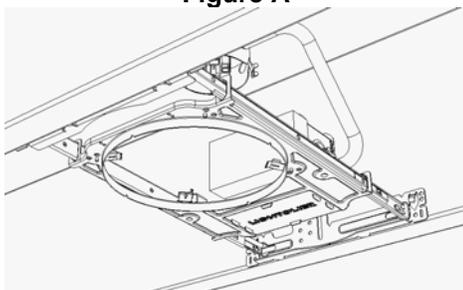


Figure B

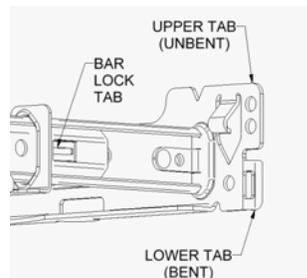


Figure D

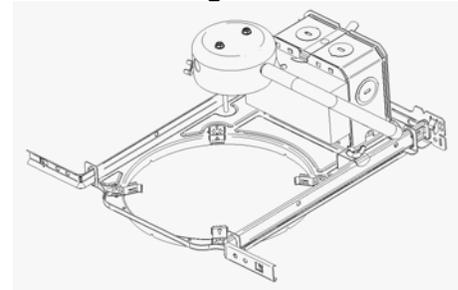


Figure F

- * **INSTALLATION IN SPACES BETWEEN 10-1/2" (267mm) AND 13" (330mm):** The Mounting Bars are provided with bar lock tabs (Figure D) that keep the bars from coming apart during normal installation. Insert a flat bladed screw driver into the slot in these tabs and bend the tabs until flush with the mounting bar. Slide one half of the mounting system out of the Frame and discard. The remaining bars may be bent to fit the smaller space (Figure F). Guide holes are provided on the mounting bars to aid in bending the bars to the minimum size of 10-1/2" (267mm) for 12" (305mm) O.C. Joists. Drive a nail or screw through any of the remaining holes in each bar to secure.

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INSTALLATION INSTRUCTIONS FOR STEEL CONSTRUCTION APPLICATIONS

- 1 PREPARATION:** Remove Wing Nuts on T-Bar Clips and reverse clips to inside of Luminaire Frame. Loosen Wing Nuts on Frame Clamps enough to allow free movement of Mounting Bars. Using standard ½" EMT tubing, cut pieces to required length such that it spans across Hat Channel. Position EMT across Frame Mounting Bars and loosely secure to End Brackets with T-Bar Clips. (Figures A, B, & C)

NOTE: The Mounting Bars may be readily adjusted to fit desired openings between 13" (330mm) minimum and 24" (610mm) maximum.

- 2 POSITION AND INSTALL LUMINAIRE FRAME:** Position Luminaire Frame at approximate location with EMT resting on Hat Channel. Secure EMT to Hat Channel. Adjust frame to final location by sliding along EMT & Mounting Bars. Lock the Frame in place by tightening the Wing Nuts on the Frame Clamps and T-Bar Clips.

NOTE: When the Luminaire Frame is to be used with Wall Wash Trims make sure to orient the Luminaire Frame side indicated by a label on the frame towards the wall to be illuminated.

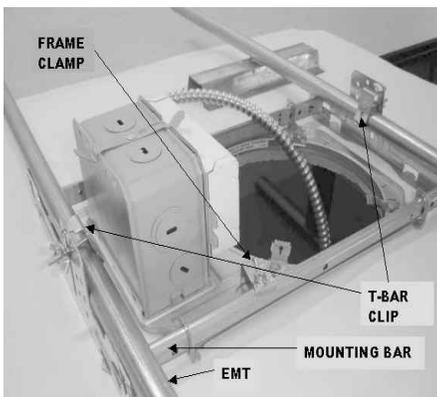


Figure A

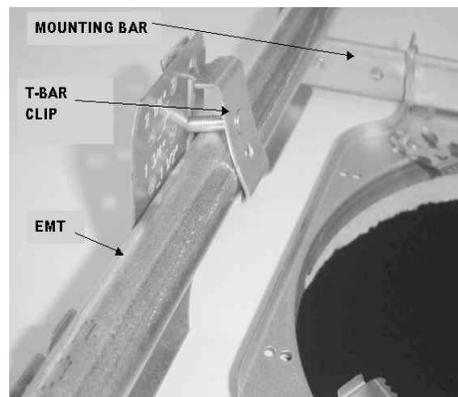


Figure B

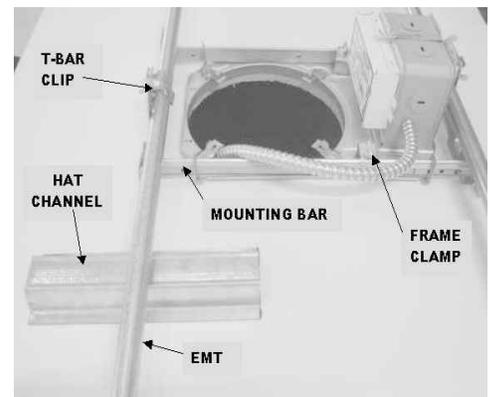


Figure C

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