

4FDR & 6FDR SERIES

INSTALLATION INSTRUCTIONS



WARNING:

- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Make sure all electrical power is turned off while installing the fixture.
- This luminaire must be adequately grounded for protection against shock hazards and to assure proper operation.
- Disconnect power before servicing.

- LEDs are ESD (Electro Static Discharge) sensitive devices that can be easily damaged if the proper ESD mitigating steps are not taken.
- LEDs are very sensitive to mechanical damage. Caution must be taken to avoid damage to the LEDs.
- ESD or mechanical damage voids all warranties.
- Suitable for dry and damp locations.

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CEILING CUTOUT

4FDR: $\phi 4\text{-}3/4"$ – $\phi 4\text{-}7/8"$ | 6FDR: $\phi 6"$ – $\phi 6\text{-}3/8"$

MOUNTING PAN INSTALLATION

(FOR PANLESS INSTALLATION PROCEED TO STEP 4)

STEP 1: Pre-attach the mounting hardware to the fixture pan.

FIG 1.1 PAN DIMENSIONS (shown without hardware)

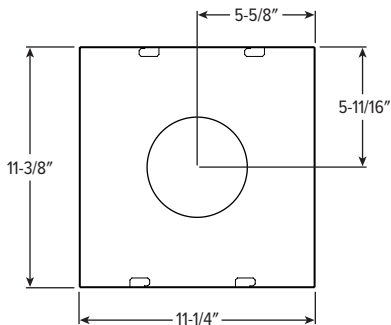
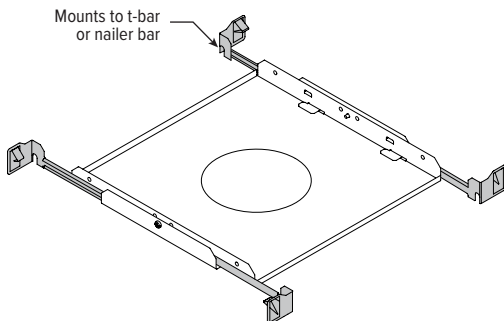


FIG 1.2 Integral 2-position fixed pan bracket.
 Ft: Universal bar hanger, shown: 14" min – 24" max



STEP 2: Install pan assembly as required for ceiling structure while aligning the pan aperture with the ceiling cutout.

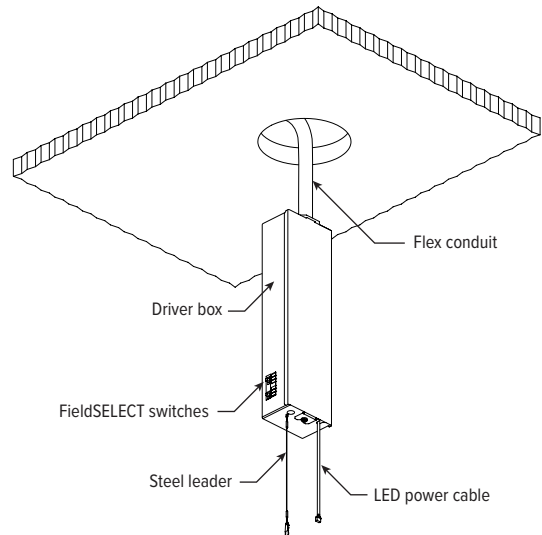
STEP 3: Route the flexible metal conduit containing all of the required power input and control leads to the pan location. Leave enough length for pulling at least one foot below the ceiling plane through the ceiling cutout.

ELECTRICAL CONNECTIONS

STEP 4: Connect driver box to conduit.

- A. Pull the flexible conduit down through the ceiling cutout and connect the driver box, see FIG 4.1.

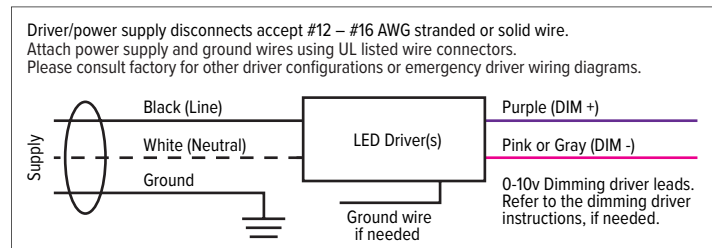
FIG 4.1



- B. Make all necessary lead terminations within the driver box.

- Attach power supply and ground wires using UL listed wire connectors.
- Re-attach the access cover.
- Please consult factory for other driver configurations.

FIG 4.2 Make electrical connections in accordance with NEC and local codes.



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FIELDSELECT SWITCHES

LOCATED ON REMOTE DRIVER BOX.

Set CCT and lumens selector switches prior to installing driver box.

CAUTION: DE-ENERGIZE BEFORE SWITCHING CCT AND LUMENS. FAILURE TO DO SO MAY DAMAGE THE LEDS WHICH WILL VOID THE WARRANTY.



DRIVER BOX INSTALLATION

STEP 5: Install driver box.

- A.** Install driver box in ceiling plenum (see FIG 5.1 & FIG 5.2). Maneuver the driver box up through the ceiling cutout. Place next to pan or 2" from the ceiling opening.

FIG 5.1 Next to mounting pan

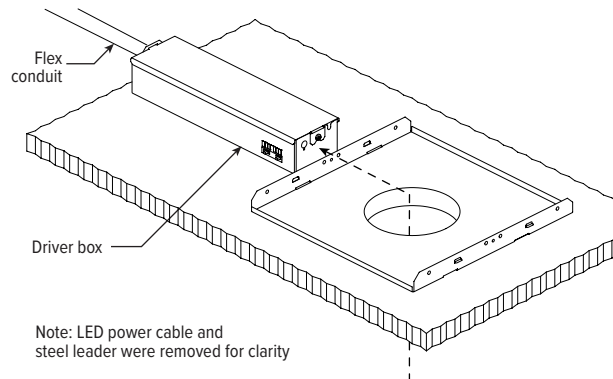
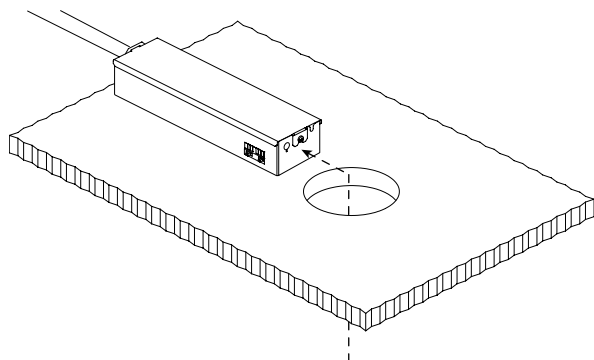


FIG 5.2 2" from ceiling opening



- B.** Pull the LED power cable and steel leader down through the ceiling cutout so they are accessible for the downlight insert installation.

F. DOWNLIGHT INSTALLATION

STEP 6: Connect downlight insert to power. (see FIG 6.1)

- A.** Connect the steel leader to the heatsink so the downlight insert is supported. The fixture will need to remain supported during installation.
- B.** Insert LED power cable into fixture connector with corresponding wire color and label color for correct alignment. (see FIG 6.2)

FIG 6.1

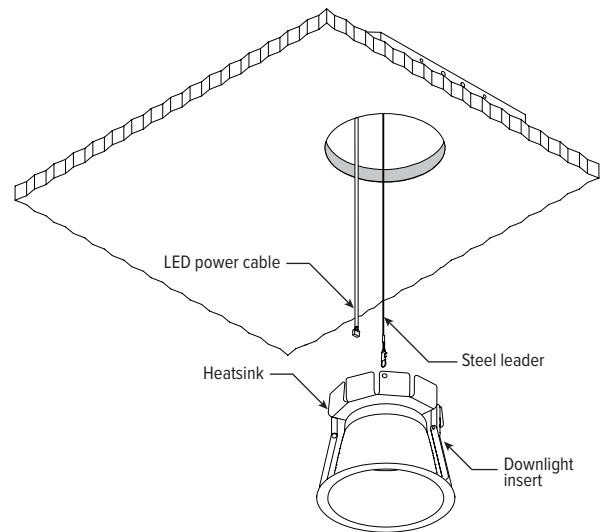
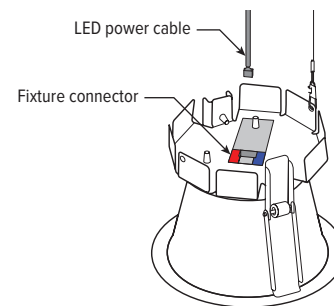


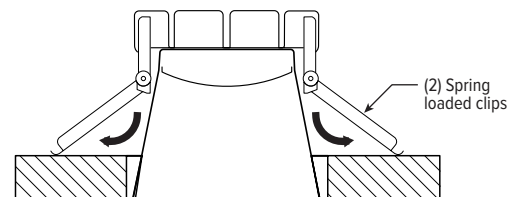
FIG 6.2



- C.** Install downlight insert to ceiling.

Push the downlight spring loaded clips upwards and insert the base into the mounting hole. Release the clips and the fixture will grip flush with the ceiling/drywall. (see FIG 6.3)

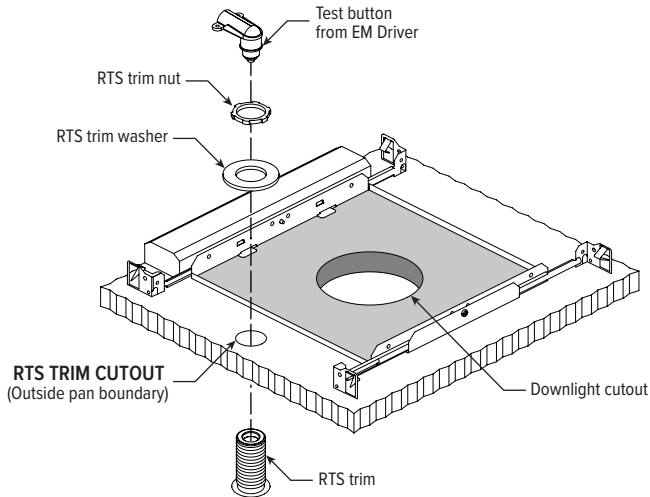
FIG 6.3



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INSTALLATION INSTRUCTIONS

OPTIONAL REGRESSED TEST SWITCH INSTALLATION



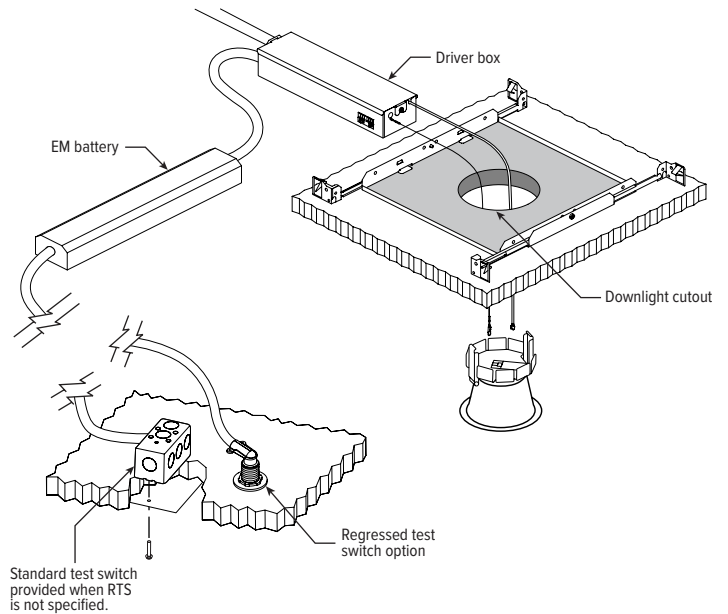
NOTE: The RTS trim, nut and washer will be supplied as a kit that ships with each EM_W/RTS specified downlight.

- Using a 1-3/8" hole saw, measure and drill the RTS trim cutout so that it is **located outside the pan boundary**.
- Push the RTS trim up through the RTS trim cutout, then hold it against the ceiling.
- Reaching through the downlight cutout, install the RTS washer and RTS nut to the RTS trim, leaving loose.

D. Reaching through the downlight cutout, maneuver the test button onto the RTS trim. Rotate the RTS trim from below to secure it to the test button.

E. To complete installation, tighten the RTS nut firmly against the RTS washer.

FIG 6.4



EMERGENCY BATTERY KIT INSTALLATION

Mount the EM battery near the fixture per EM pack instructions. Make all necessary electrical connections per EM pack instructions.

