

## WARNINGS :

Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check enclosed wiring and components for damage.

Risk of fire or electric Shock. LED Retrofit Kit installation requires knowledge of luminaires electrical system. If not qualified, do not attempt installation. Contact a qualified electrician.

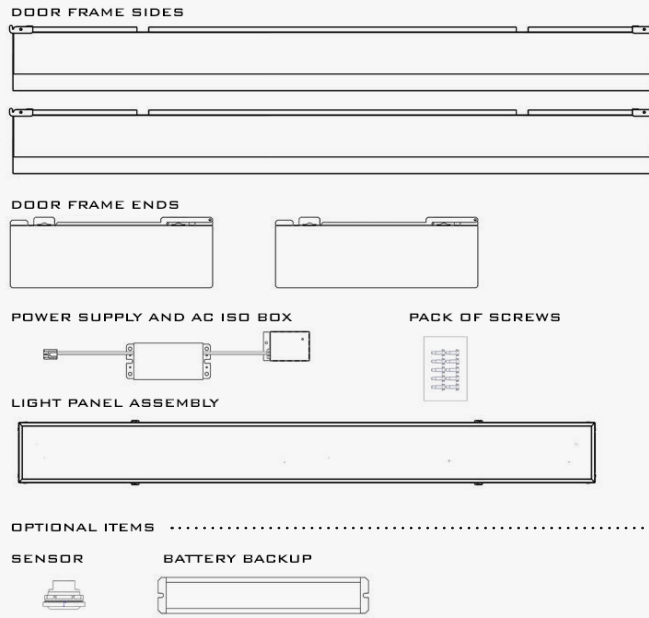
Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.

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

The retrofit assembly is accepted as a component of a luminaire where the suitability of the combination shall be determined by UL or authorities having jurisdiction.

Explicitly following these instructions will ensure that the retrofitted fixture will retain its UL compliance

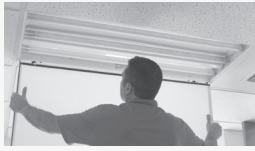
## ITEMS INCLUDED IN KIT



## EXISTING LUMINAIRE MODIFICATIONS

Turn off all power before servicing

**1** Remove existing fixture door frame. If necessary remove lamps and ballast cover to access old ballast.



**2** Disconnect old ballast and strip supply wires to 3/8".



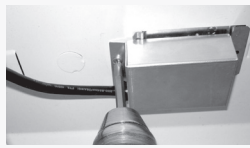
**3** Install the LED Power supply using 2 sheet metal screws

**FOR BATTERY BACKUP**, install backup using 4 sheet metal screws

**4** Connect the AC Power to the Ballast Disconnect. Reference Appendix A for a wiring diagram.



**FOR BATTERY BACKUP**, connect all wires except unit connector, see diagram



**5** Screw the Junction Box Cover to the old fixture to cover any AC wires.

## RETROFIT INSTALLATION

**1** Insert door end frame between old fixture and ceiling grid. Slide end frame to back rail (see fig 1).

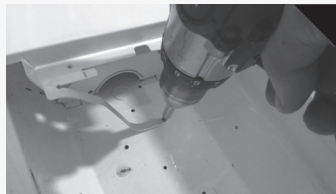


FIG. 2

**2** Screw earthquake tether connected to door frame end into old fixture (see figure 2). Old housing must be >0.025" thick conductive metal. Repeat steps 1 and 2 for other end.

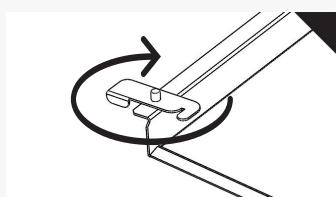


FIG. 3

**3** Prepare side frames by rotating latches to 90 degrees to center (see figure 3).

**4** Install side frame between end frames and nest between ceiling grid and old fixture. Secure with latches (see fig 4).



FIG. 4

**5** Repeat step 5 for other side.

**6** Plug in light panel to driver (see wiring diagram) For battery backup, connect unit connector.



FIG. 5

**7** Push light panel up and snap into place (see fig 5).

**8** Turn power back on.



FIG. 1

## WARNINGS :

Read and follow all safety instructions. Instructions must be shared and acknowledged by all persons providing installation services.

Service and installation to be provided by licensed and qualified electrical professionals.

This fixture is intended for indoor use only.

Before performing service or installation shut off the power at the service panel.

Ground the fixture and power supply (if applicable).

Install only in accordance with National Electrical Code and local electrical codes.

Supplied power must be compliant with the voltage and frequency specified on the power supply.

Supplied power must be delivered to the fixture using plenum rated wire.

## MECHANICAL

- 1 Deploy the seismic securing brackets to match the ceiling grid web height as shown in figures 1 and 2.
- 2 Place the fixture in the desired ceiling grid location.
- 3 Install additional securing hardware (suspension wire, cables, anchors, etc.) as required by local codes. These additional hardware items are supplied by others.



FIG. 1

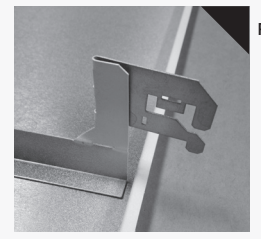


FIG. 2



FIG. 3

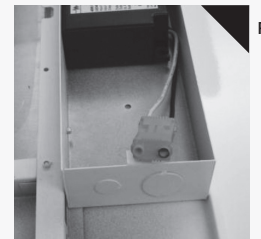


FIG. 4

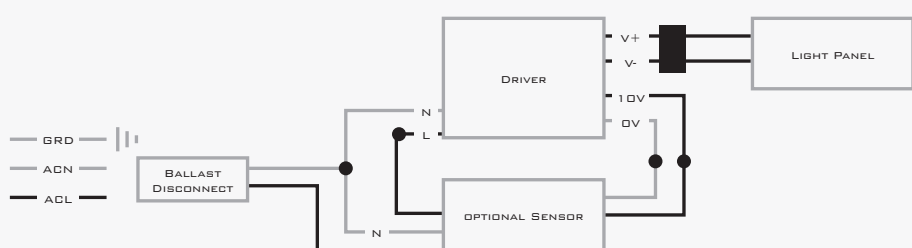
## ELECTRICAL

- 1 Remove the screw securing the electrical box cover and the cover itself as shown in figures 3 and 4.
- 2 Select a convenient knockout location and remove the slug.
- 3 Connect the conduit containing the branch circuit wires to the electrical box as required by local codes. Conduit and branch circuit wires are supplied by others (see electrical wiring diagram).
- 4 Insert the branch wires into the driver disconnect noting polarity.
- 5 **FOR BATTERY BACKUP**, connect unswitched power to correct backup lead (see diagram).
- 6 Attach the ground wire using a wire nut (only on drivers with a supplied ground wire).
- 6 For dimming, see wiring diagram .
- 7 **FOR BATTERY BACKUP**, connect unit connector.
- 7 Replace the electrical box cover and securing screw.

## STANDARD WIRING DIAGRAM

### NOTES

**DO NOT RUN BRANCH CIRCUITS THROUGH DIMMING CONTROLLERS. USE ONLY 0-10V DIMMING CONTROLS CONNECTED TO DRIVER DIMMING LEADS.**



## BATTERY BACKUP - AFTER STATE

