

READ AND FOLLOW ALL INSTRUCTIONS PRIOR TO INSTALLATION

WARNING - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires and their electrical systems. If necessary, refer installation to a qualified electrician.

Note – No drilling or alteration of this kit or the fixture is required for installation of this kit. Drilling of kit or fixture will void warranty.

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

Note – Do not make or alter any openings or holes in the enclosure during kit installation.

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

Note – These installation instructions do not cover enclosure mounting. See fixture manufacturer's instructions for enclosure mounting.

APPLICATION:

This kit is designed only to be installed into a Grandlite AR816, QSSI FL70F or Smart Electric FL16X16

KIT INCLUDES:

- 1 – Conversion Kit (see FIGURE 1)
- 1 – “No Serviceable Parts” sticker

To be used in Grandlite AR816 Shoebox Fixture:

- 4 – #10-24 x 3/8” Phillips pan head, machine screw
- 2 – One way tamper resistant screws

To be used in QSSI FL70F Shoebox Fixture:

- 3 – #8-32 x 3/8” Phillips pan head, machine screw
- 2 – One way tamper resistant screws

To be used in Smart Electric FL16X16 Fixture:

- 4 – #10-24 x 3/8” Phillips pan head, machine screw
- 2 – One way tamper resistant screws

TOOLS REQUIRED:

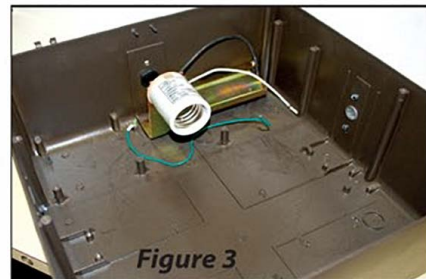
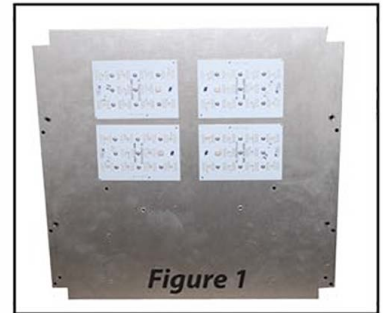
- 1 - #2 Phillips screwdriver
- 1- Flat tip screwdriver

INSTALLATION INSTRUCTIONS

- 1) Make certain power is OFF before starting installation. Failure to do so may result in electrical shock or death. Note: LEDs and PCB should not be allowed to come in contact with body or tools during installation process.
- 2) Using a #2 Phillips screwdriver, remove the four enclosure screws and open the enclosure cover. The fixture should now appear as in FIGURE 2.
- 3) Starting with the lamp, remove lamp, lamp holder, capacitor, igniter, transformer and wiring from inside the enclosure. Leave at least 3” of the branch circuit inside the luminaire for connection to the retrofit kit. Caution should be taken not to touch or short the capacitor terminals - see FIGURE 3. Keep the ground wire attachment screw and wire as well as the wire nuts that were used to connect the power source as these will be used in this installation.

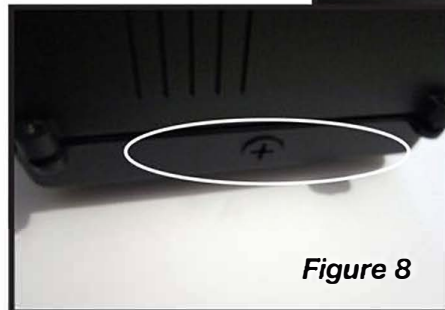
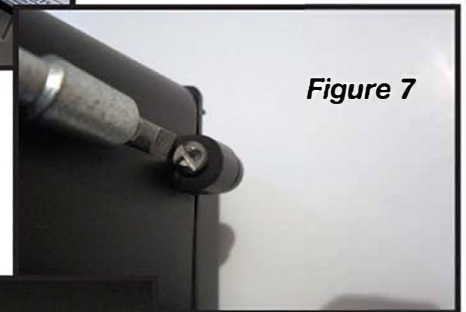
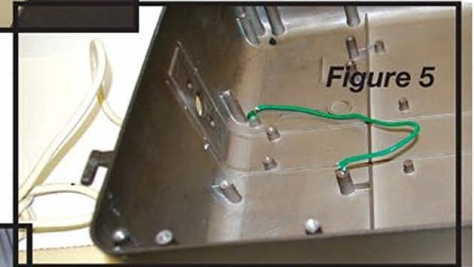
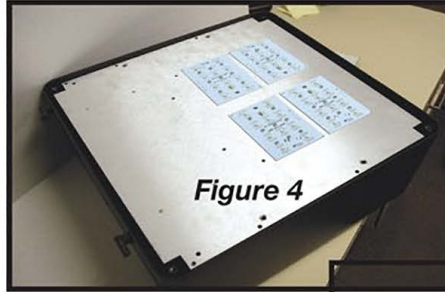
Note: the source power may enter through either the junction box knock out or the side plugs. Power source entering junction box knock out is shown.

Note: Some variation in fixture components may exist from picture shown.



INSTALLATION INSTRUCTIONS (cont.)

- 4) Attach the original ground wire to the ballast boss using the original ground screw. See FIGURE 5. Next attach branch circuit ground lead to case ground wire using wire nut from original wiring. Next attach branch circuit black wire to driver black wire using wire nut from original wiring. Finally attach white branch circuit wire to white driver wire using wire nut from original wiring. When completed, wiring should be as shown in FIGURE 6.
- 5) Attach kit bracket to fixture case using 4 #10-24 x 3/8" mounting screws. Be certain all screws are present and tightly screwed down. When complete, the seated kit inside the fixture should appear as in FIGURE 4.
- 6) Close enclosure cover being certain that no wires are pinched and are free of the cover. Using the 2-One way tamper resistant screws and 2 original screws, secure enclosure cover. See FIGURE 7. Place the "No Serviceable Components" sticker on side of enclosure in area shown in FIGURE 8.



Maintenance:

This conversion kit does not require maintenance.