

# INSTALLATION INSTRUCTIONS COMMERCIAL LED RETROFIT DOWNLIGHT

## IMPORTANT SAFETY INSTRUCTIONS.

1. Read all instructions completely before beginning. Keep these instructions in safe place for future reference.
2. To reduce risk of fire and over-heating, make sure all connections are tight.
3. Turn off the electrical power before proceeding.



### CAUTION: Risk of fire or electric shock

LED Retrofit Kit installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified person.

**WARNING - Risk of fire or electric shock.** LED Retrofit Kit installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

**WARNING – Risk of fire or electric shock.** Install these kits only in the luminaires that has the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

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

Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.

Please examine all parts that are not intended to be replaced by the retrofit kit for damage and replace any damaged parts prior to installation of the retrofit kit.

#### **A TYPE Retrofit Kit Contents:**

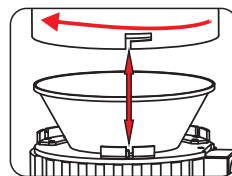
- 1.Engine
- 2.LED Driver Box
- 3.User manual
4. CLIPS 4PCS
5. Lable

#### **B TYPE Retrofit Kit Contents:**

- 1.Engine (without housing)
- 2.LED Driver Box
- 3.User manual
4. CLIPS 4PCS
5. Housing
6. Lable

## If B type retrofit kit should need increase installation

when engine and trim is separate, please assembly as the diagram (slide the trim in clockwise direction when they in position).



# INSTALLATION INSTRUCTIONS COMMERCIAL LED RETROFIT DOWNLIGHT

## Housing Compatibility:

- 4 fits 4" min. to 4.7" max. mounting frame diameters.
- 6 fits 6" min. to 6.7" max. mounting frame diameters.
- 8 fits 7.7" min. to 8.4" max. mounting frame diameters.
- 10 fits 10" min. to 10.7" max. mounting frame diameters.

## Retrofit to LED step

**NOTE: RETROFIT KIT IS VOLTAGE SPECIFIC. VERIFY PROPER VOLTAGE BEFORE INSTALLATION.**

**Step 1:** Remove existing lamp(s).

**Step 2:** Remove and discard existing reflector.

**Step 3:** Open board of side of J-box.

**Step 4:** See 4A and 4B Locate J-box containing supply wires and cut all supply wires leading to the ballast and output lead of ballast.  
(May remove wires of ballast )

**Step 5:** Twist out conduit knockout.

**Step 6:** Place LED Driver box thru ceiling cut-out and allow to rest on ceiling.

**Step 7:** Install the supply conduit of Driver Box into the junction box.

**Step 8:** Connect the supply to the LED Driver. Connect GND to wire of green.

**Step 9:** Close board of side of J-box. Then secure the driver to the ceiling by screws.

**Step 10:** See figure 9, get the safety hook to the bracket hole.

**Step 11:** 4 clips are needed to be installed if the existing mounting frame don't have it.

**Step 12:** Plug the black connector of new LED engine to the black connector on the end of the flex conduit provided on the driver box. Plug the connector of metal to hole of LED engine.

**Step 13:** Ensure the mounting frame can hold the weight of the whole reflector.

**Step 14:** Restore power after installation of fixture is completed.

**Step 15:** After modification completed, attach the Lamping Replacement Marking Label and Cautionary Label which provided with the retrofit kit package to the light fixture. The labels shall be visible during relamping, and after installation.

