

The GTR-PT series (finial mount) LED retrofit kit is designed to be installed in Post Top Luminaires with constructions as shown in the figures, with minimum dimensions 34.3 cm / 13.35 in. OD (outer diameter)



SIMPLY UNIVERSAL



### IMPORTANT - READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

- ◆ **WARNING** – Risk of fire or electric shock. LED retrofit kit installation requires knowledge of HID lighting luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- ◆ **WARNING** - Risk of fire or electric shock. Install this retrofit kit only in luminaires indicated in the installation instructions that have the construction features, dimensions and model number shown in the photographs and/or drawings.
- ◆ Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- ◆ **WARNING** –To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- ◆ "This luminaire has been modified and can no longer operate the originally intended lamp" shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance during re-lamping.
- ◆ Failure to install this product in accordance with the National Electric Code (NEC), or the Canadian Electrical Code (CSA 22.1), all applicable Federal, State and local electric codes as well as the specific Underwriters Laboratories (UL) safety standards for the installation, location and application may cause unsafe situations leading to serious personal injury, death, property damage and/or product malfunction.
- ◆ To avoid electric shock or component damage disconnect power before attempting installation or servicing.
- ◆ Avoid looking directly into the light beam with unprotected eyes as the intensity of the beam may damage the eyes.
- ◆ LED Retrofit Kit has been properly packaged to protect it during transit. Unpack, inspect and notify shipping agent and instructor if any damage is found.
- ◆ For use with luminaires with a glass lens only.
- ◆ Save these instructions after installation of the LED retrofit kit.

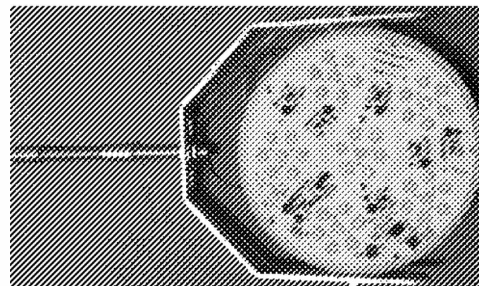
### GTR-PT series (Finial Mount) Retrofit Kit Product Description (This kit comes pre-assembled in 2 parts):

#### LED ENGINE MOUNT (finial)

- 1 each - 95w LED module GTSOL5498 (or 60w LED module GTSOLM21)
- 1 each - aluminum U Bracket for LED engine - model # GTBUB
- 2 each – Threaded Brass Pipe- 2 1/4" X 3/8"
- 2 each - Brass Coupling 7/8" X 1/2"
- 2 each - Brass Nut 3/8"
- 2 each – Washers 1"
- 2 each –Wire Connectors

#### LED DRIVER MOUNT

- 1 each – 100w LED driver model # LED-INTA-0024V-41-F-O, or T1UNV024-100-LE or LV100-24N-UNV-1 (or 60w LED Driver model # LV60-24N-UNV-F)
- 1 each – Mounting Bracket for LED Driver- model # GTBPT
- 1 each -- Mounting Plate -- model # GTCP
- 1 each – Ground Wire with Loop and Screw
- 1 each –Installation Sticker to place in luminaire. Required after rewiring of luminaire



LED Driver Mount for Pole Filter

### Required tools and hardware:

Flat and Philips Head Screwdriver

Wire Stripper/Cutter

Wire connectors

Safety glasses

# GLOBAL TECH LED RETROFIT KIT INSTALLATION GUIDE – POST TOP

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## INSTALLATION INSTRUCTIONS

Note: This retrofit kit is to be installed in luminaires that are mounted with a minimum of 12 ft. above the ground plane. For luminaires mounted below 12 ft. from the ground plane, 2 Security screws will be provided with the kit.

1. Prior to retrofit, Fixture will appear as in Figure 1. Disconnect power prior to installation.
2. Loosen screws securing globe to Pole Fitter housing. Remove Globe
3. Remove the screws securing aluminum top plate to Pole fitter housing. Be sure to save the aluminum top plate as it will be used to cover the LED driver in the pole fitter housing as part of this conversion. (See Figure 2). Disassemble lamp, reflector, socket, wire leads and ballast. The HID lamp is classified as hazardous waste as it contains a small amount of mercury and lead. The lamps must be disposed of in accordance with the Universal Waste Rule published by the EPA on July 6, 1999. Check with state and local authorities for proper disposal. Global Tech LED recommends recycling of spent HID fixtures and components.
4. The LED Retrofit kit consists of an LED engine and fan mounted on an articulating U-Bracket that will attach to the Finial on top of the Globe, along with a driver that will mount inside the Pole Fitter. Double check the input voltage to ensure that the power matches the Driver supplied with the LED retrofit kit prior to next steps. The information is clearly marked on the Driver. If it does not match, stop installation and contact Global Tech LED immediately.
5. (5) Wago 222-413 connectors are included with the installation kit. (connectors are the same principle as a standard wire nut) Simply strip the conductors 12mm, lift the orange lever 90°, push the conductor into the connector and press orange lever down locking the wire into the connection. See figure 3.
6. Secure LED Driver / Bracket assembly to inside of the Pole Fitter Housing. Secure the ground wire to the other side of the Pole Fitter Housing with Ground Screw. (See figure 4).
7. Cover the opening to the LED Driver by securing the aluminum plate to the pole fitter housing, (and if needed, the second aluminum mounting plate to cover any large hole left after removal of the socket), being sure to thread the red and blue wires through the center hole in the plate. (See Figure 5).
8. Secure LED engine to the Finial on top of Globe using the threaded brass pipe and coupling provided. This is pre-assembled as shown on page 1 of these instructions. (See figures 6, 7).
9. Connect the wires from the Driver to the Led retrofit kit using the wire connectors provided. The wires can be hidden along a vertical cage bar or otherwise routed to follow the fixture shape.
10. Connect the White (NEUTRAL) input power wire to the house power white wire as shown in Figure 8.

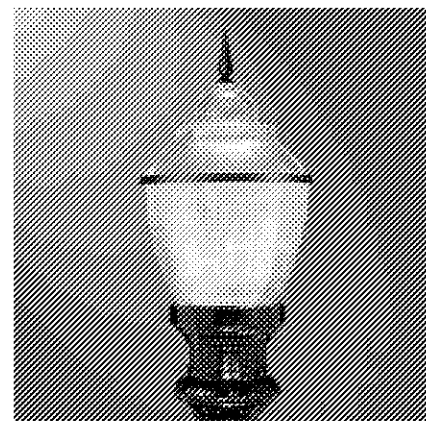
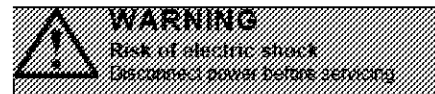


Figure 1



Figure 2

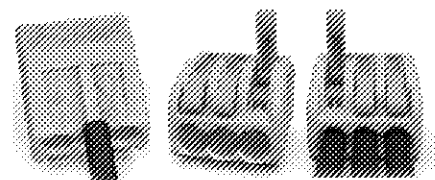


Figure 3

# GLOBAL TECH LED RETROFIT KIT INSTALLATION GUIDE – POST TOP

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11. Connect the Black (HOT) input power wire to the house power black wire as shown in Figure 8.
12. Connect the Green (GROUND) wire to the house side ground as shown in Figure 8. The grounding of the luminaire housing shall be maintained.
13. Remove the protective plastic lens covering the LED engine. Do not touch the individual LEDs at any time.
14. Place the Globe on top of the pole fitter and tighten Screws. Turn on Power to the fixture and verify the light is illuminated. Do not look directly at the LED light without proper eye protection.

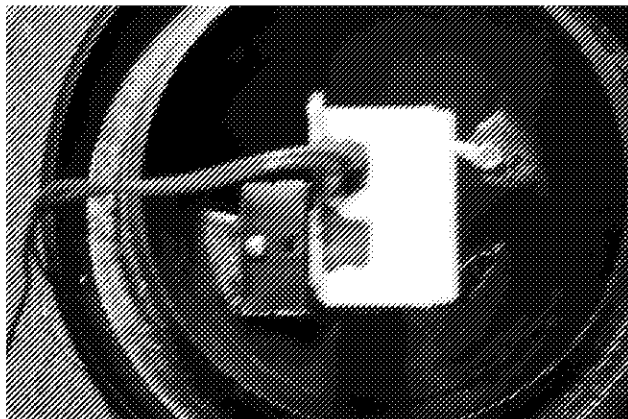


Figure 4

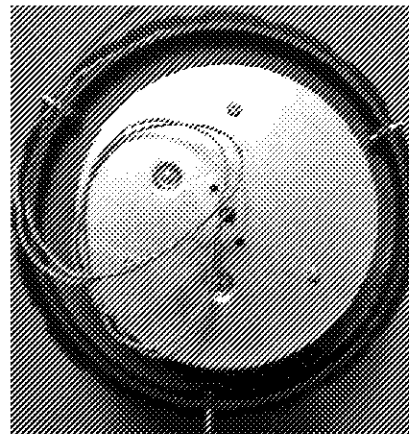
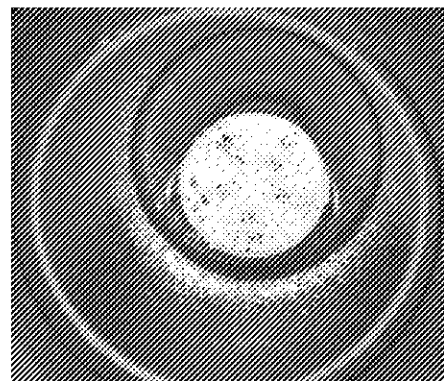
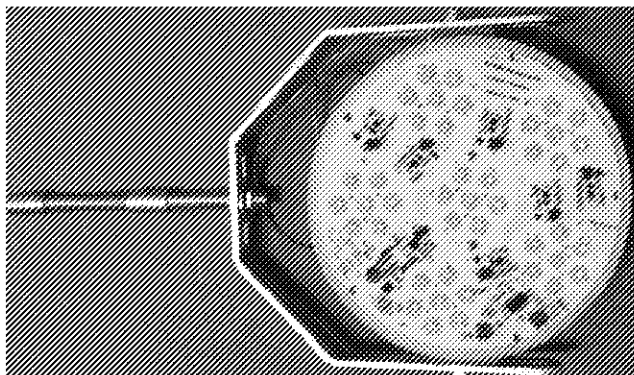


Figure 5



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Figure 6

Figure 7

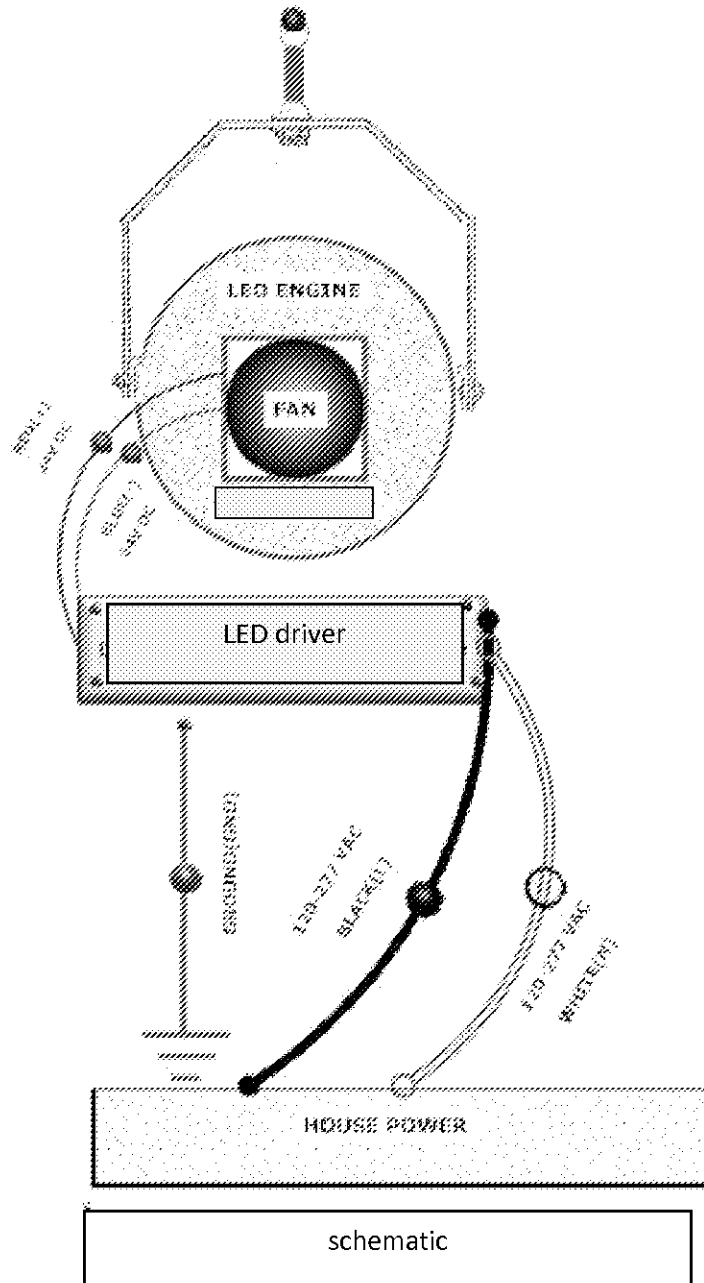


Figure 8