

This GTR-RW series PLAT LED retrofit kit is designed to be installed in Cobra Head Luminaires with construction as shown in the figures, with minimum dimensions 760mm x 360mm x 115mm / 29.9 in x 14.1 in x 4.5 in



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 relamping.
- ◆ 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-RW series PLAT Retrofit Kit Product Description (This kit comes pre-assembled):

- 1 each - 96w LED module GTSOL5498 (or 60w LED module GTSOLM21)
- 1 each – 100w LED driver model # LED-INTA-0024V-41-F-O, or T11UNV024-100-LE, or LV100-24N-UNV-1 (or 60W LED Driver model # LV60-24N-UNV-F)
- 1 each - aluminum mounting plate model # GTP-RW-604-1X
- 5 each – WAGO 222-413 connectors
- 1 each – Installation Sticker to place in luminaire. Required after rewiring of luminaire.

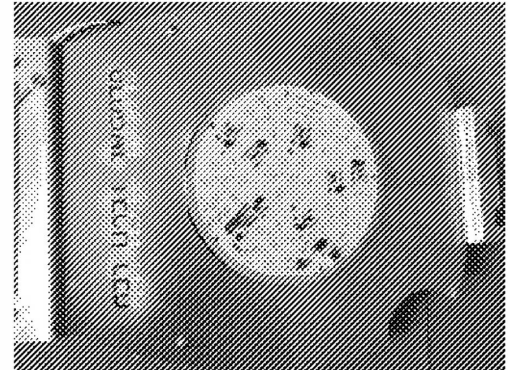
Required tools and hardware:

Flat and Philips Head Screwdriver

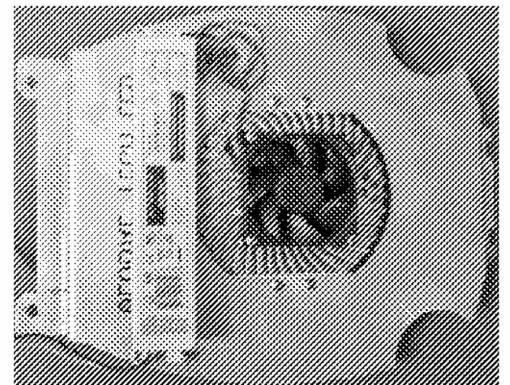
Wire Stripper/Cutter

Wire connectors

Safety glasses



LED Retrofit Kit for Cobra Head - Front View



LED Retrofit Kit for Cobra Head - Rear View

GLOBAL TECH LED RETROFIT KIT INSTALLATION GUIDE – COBRA HEAD

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INSTALLATION INSTRUCTIONS

Note: This retrofit kit is to be installed in wall pack luminaires that are mounted with a minimum of 12 ft. above the ground plane.

1. Disconnect power prior to installation.
2. Remove the Fixture from its mounting and lay on a protected surface with glass facing upwards. Open fixture housing.
3. Remove lamp, reflector, socket, wire leads and ballast. After removal of all components, fixture will appear as shown in Figure 2. 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 all spent HID fixtures and components.
4. This LED Retrofit kit is pre-wired. It consists of an LED driver, LED engine, and an aluminum mounting plate designed specifically for this fixture. Double Check the input voltage to ensure that the power matches the Driver supplied with the LED retrofit kit prior to next steps. This information is clearly marked on the Driver. If it does not match, stop installation and contact Global Tech LED immediately. 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
- 5.
6. Remove the four screws that secure the tempered glass to the fixture. Remove the two small front metal tabs located near the front hinge and leave the two large metal tabs in place.
7. Remove the clear plastic cover protecting the LED unit. Lay the retrofit unit on top of the glass as shown in Figure 4. Secure by using the four original screws and two metal tabs used to hold the glass to the front of the fixture. Close the cover of the fixture. This retrofit is for use with luminaires with a glass refractor only.
8. Connect the White (NEUTRAL) input power wire using the spade connector to the bus bar located in the fixture as shown in fixture Figure 5.
9. Connect the Black (HOT) input power wire using the spade connector to the bus bar located in the fixture as shown in Figure 5.
10. Connect the Green (GROUND) wire using the spade connector to the bus bar located in the fixture as shown in Figure 5. The grounding of the luminaire housing shall be maintained.

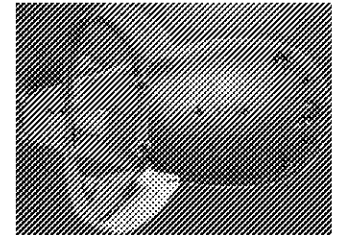
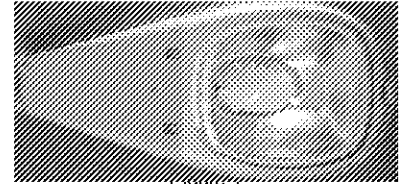


Figure 2



Figure 3

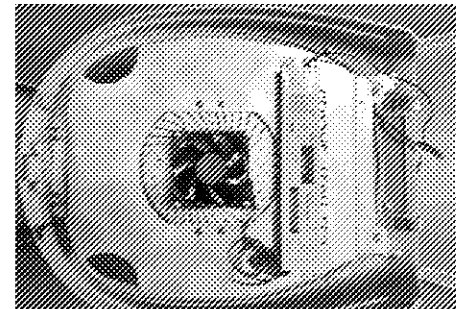


Figure 4

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11. Figure 6 is a view of the retrofit completed prior to mounting on the pole arm
12. Mount fixture on to the pole arm, using existing screws.
13. Connect the White (NEUTRAL) House Power to the bus bar located inside of the fixture as shown in Figure 7.
14. Connect the Black (HOT) House Power to the bus bar located inside of the fixture as shown in Figure 7.
15. Connect the Green (GROUND) House Power to the bus bar located inside of the fixture as shown in Figure 7.
16. Turn on the power to the fixture and verify that the light is illuminated. Do not look directly at the LED light without proper eye protection.

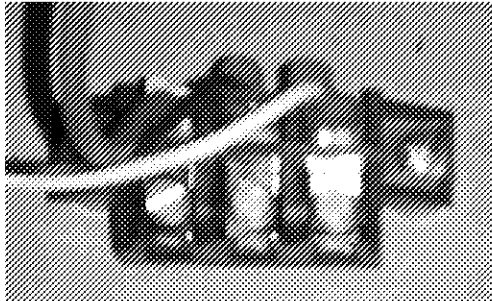


Figure 5

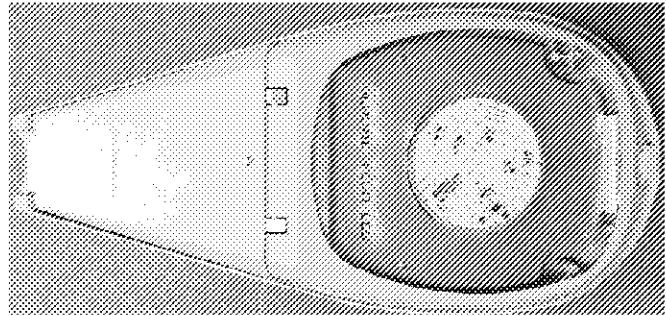


Figure 6

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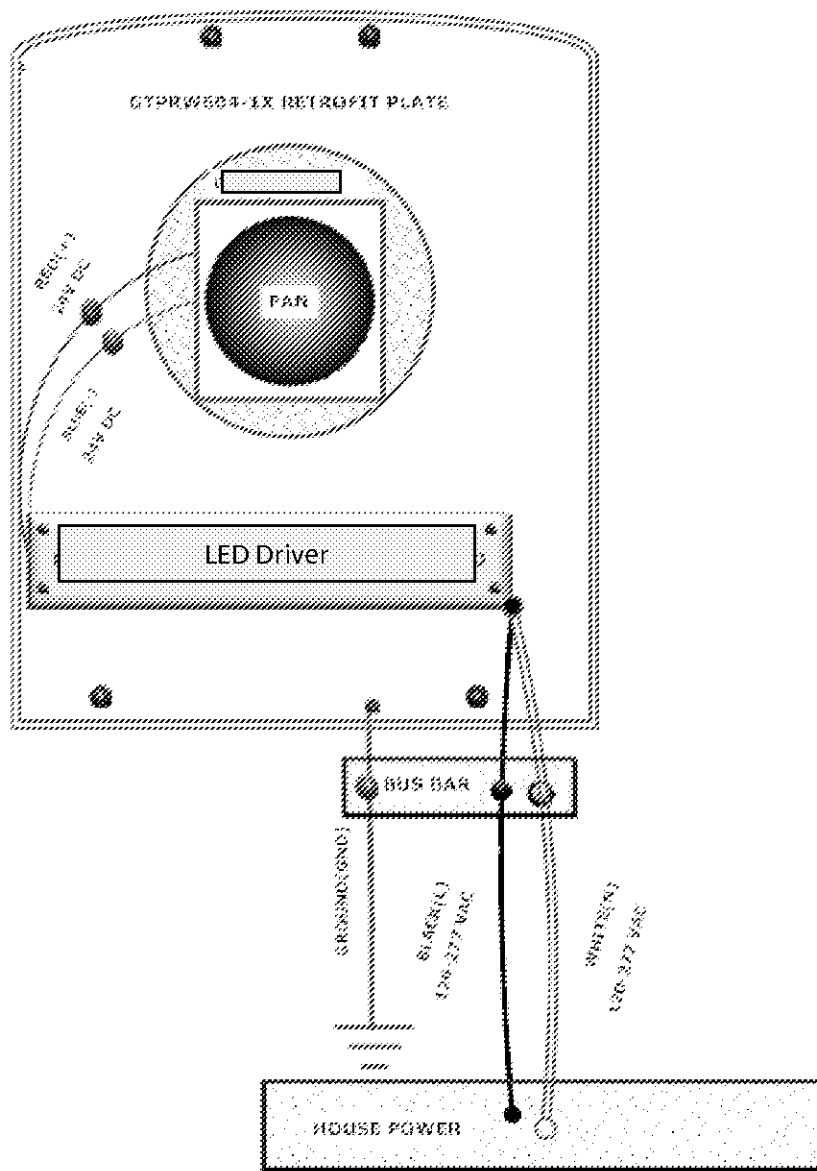


Figure 7