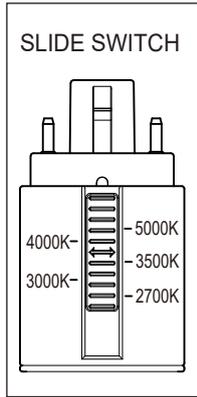


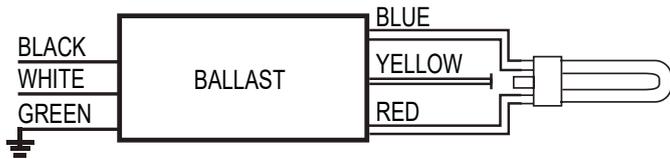
# INSTALLATION INSTRUCTIONS

1. Use the slide switch on the lamp to set different color temperatures: 27k/30k/35k/400k/ 50k (see figure 1)
2. Check all the items of the retrofit kit.
3. Check if the led lamp rating parameters correlate with this luminaire.
4. Make sure circuit breaker that supplies power to the fixture is turned off.
5. Remove the diffuser, lens cover or louver (if provided) and the existing fluorescent lamp(s) from the fixture.
6. Check if the ballast installed in the fixture is listed in the ballast compatibility chart. If not, do not assemble this retrofit kit.
7. Install the new led lamp(s) into the lamp holder. gently rotate lamps into the desired position.
8. Make sure that the pins are completely seated in the lamp holder.
9. Replace the diffuser, lens cover or louver (if removed in step 4). turn power back on at the breaker box and turn on lights.

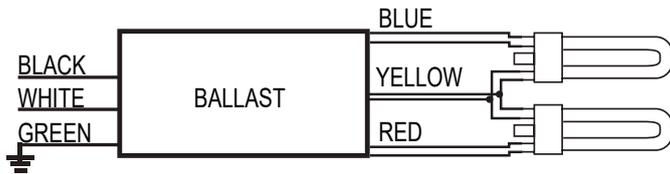


**Fig. 1**

## RETROFIT WITH 1 LAMP



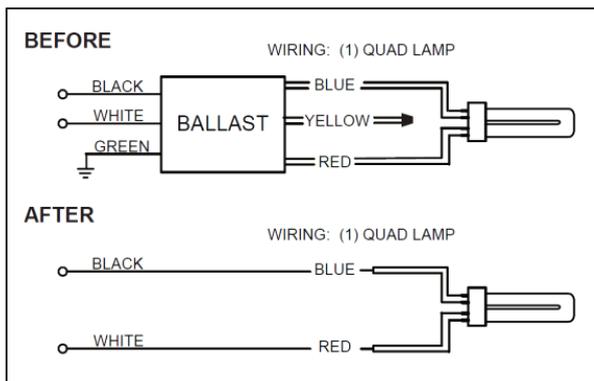
## RETROFIT WITH 2 LAMPS



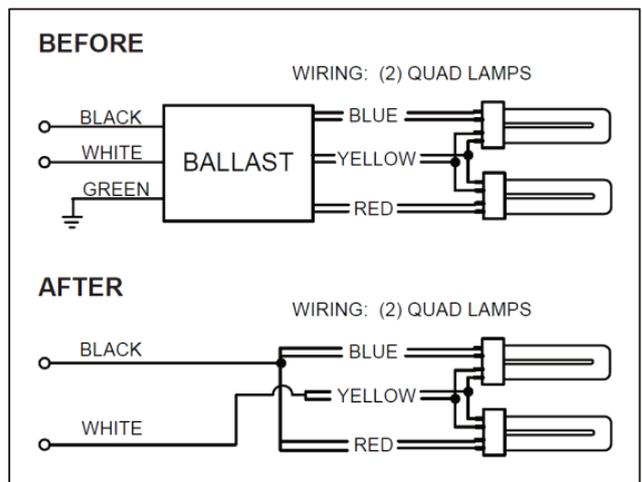
## Lamp instructions only apply to fixture G24q lamp holders.

1. Check all the items of retrofit kit.
2. Check to confirm the LED Lamp's electrical parameters are rated to replace the luminaire being serviced.
3. Make sure the circuit breaker that supplies power to fixture is turned off.
4. Remove trim and existing lamps from recessed fixture. Drop housing from plaster frame.
5. Remove inner junction box cover and disconnect ballast from input wiring and lampholder leads. Dispose of removed ballast and lamps in accordance with government regulations in your area.
6. Connect input wiring to lampholder leads according to the appropriate wire diagram below Figure 1,2. Place wires and connections back in Wiring poxanareplace cover
7. Reinstall housing and trim.
8. Install your new LED Lamps. Rotate lamps to desired position.
9. Apply relamping label on a visible location inside the fixture.
10. Turn power on at the breaker box and turn on the lights.

**Figure 1. Retrofit with One Lamp (G24q Base)**



**Figure 2. Retrofit with Two Lamps (G24q Base)**



# INSTALLATION

DANGER - RISK OF SHOCK-DISCONNECT POWER BEFORE INSTALLATION.

THE PRODUCTS INTENDED TO BE USED IN DRY AND DAMP LOCATIONS.

THE UNITS COVERED IN THIS REPORT ARE INTENDED TO RETROFIT TYPE IC OR NON-IC RECESSED MOUNT LISTED LUMINAIRES WITH OR WITHOUT DIFFUSER, WITH INSTRUCTIONS TO REMOVE THE EXISTING TRIM.

THE MINIMUM DIMENSIONS OF LUMINAIRES ARE TABULATED BELOW.

**WARNING** - RISK OF FIRE OR ELECTRIC SHOCK. LUMINAIRE WIRING AND ELECTRICAL PARTS MAY BE DAMAGED WHEN DRILLING FOR INSTALLATION OF LED RETROFIT KIT. CHECK FOR ENCLOSED WIRING AND COMPONENTS.

**WARNING** - RISK OF FIRE OR ELECTRIC SHOCK. LUMINAIRE WIRING AND ELECTRICAL PARTS MAY BE DAMAGED WHEN DRILLING FOR INSTALLATION OF LED RETROFIT KIT. CHECK FOR ENCLOSED WIRING AND COMPONENTS.

**WARNING** – RISK OF FIRE OR ELECTRIC SHOCK. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

**WARNING** - RISK OF FIRE OR ELECTRIC SHOCK. INSTALL THIS KIT ONLY IN LUMINAIRES THAT HAVE THE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN THE PHOTOGRAPHS AND/OR DRAWING 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

INSTALLERS SHOULD NOT DISCONNECT EXISTING WIRES FROM LAMPHOLDER TERMINALS TO MAKE NEW CONNECTIONS AT LAMPHOLDER TERMINALS. INSTEAD INSTALLERS SHOULD CUT EXISTING LAMPHOLDER LEADS AWAY FROM THE LAMPHOLDER AND MAKE NEW ELECTRICAL CONNECTIONS TO LAMPHOLDER LEAD WIRES BY EMPLOYING APPLICABLE CONNECTORS.

THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES. THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.

INSTALLERS SHOULD 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.

**WARNING** – RISK OF FIRE. INPUT RATINGS MAY NEED TO BE DETERMINED BASED ON ANY CONFIGURATION(S) PERMITTED BY THE INSTALLATION INSTRUCTIONS. REGARDLESS OF THE CONFIGURATION(S) OF THE RETROFIT KIT, THE INPUT RATINGS OF THE OVERALL RETROFIT KIT SHALL NOT EXCEED THE MARKED INPUT RATINGS OF THE HOST LUMINAIRE.

THE INSTALLATION INSTRUCTIONS SHALL INDICATE THE ENVIRONMENTAL LOCATIONS THE RETROFIT KIT IS SUITABLE FOR DAMP LOCATIONS.

PRIOR TO INSTALLATION, REVIEW ALL ENVIRONMENTAL DESIGNATION LOCATIONS IN THE RETROFIT KIT INSTALLATION INSTRUCTIONS. ONLY INSTALL IN DAMP LOCATIONS IF SO INDICATED IN THE INSTALLATION INSTRUCTIONS.

FOR USE WITH FLUORESCENT, SURFACE MOUNTED, RECESSED NON-IC, RECESSED IC LUMINAIRES SUITABLE FOR CLOSED TYPE LUMINAIRES.

SUITABLE FOR USE WITH LUMINAIRES WITH MAXIMUM 2 LAMPS.

**TYPE A LAMP** - INTENDED FOR DIRECT SUBSTITUTION OF A FLUORESCENT LAMP AND OPERATING FROM THE INTEGRAL BALLAST WITHOUT ANY MODIFICATIONS TO THE FLUORESCENT LUMINAIRE.

**TYPE B LAMP** – INTENDED FOR OPERATION IN LUMINAIRES WITH TRADITIONAL FLUORESCENT-TYPE LAMPHOLDERS WIRED DIRECTLY TO THE BRANCH CIRCUIT. THIS INCLUDES BOTH FACTORY-WIRED LUMINAIRES AS WELL AS THOSE CONVERTED FOR THIS PURPOSE UNDER A RETROFIT PROGRAM. THIS LAMP ONLY OPERATES ON ELECTRONIC BALLASTS. IF LAMP DOES NOT LIGHT WHEN THE LUMINAIRE IS ENERGIZED, REMOVE LAMP FROM LUMINAIRE AND CONTACT LAMP MANUFACTURER OR QUALIFIED ELECTRICIAN.