

INSTALLATION AND OPERATING INSTRUCTIONS FOR THE FOLLOWING PRODUCTS:

CAT. NO. **KT-RKIT-24-4000-8xx-VDIM**
 CAT. NO. **KT-RKIT-24-5000-8xx-VDIM**

CAT. NO. **KT-RKIT-22-4000-8xx-VDIM**

INSTALLATION

Product includes the following components:

PARTS	QUANTITY
LED Kit (Including hardware)	1
Installation Instruction Sheet	1

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 LED retrofit kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

WARNING: Risk of fire or electric shock. Install this LED retrofit kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings.

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

WARNING: Do not make or alter any open holes of the wiring enclosure or electrical component enclosure during installation. Only those open holes indicated in the photographs and/or drawings may be added or altered as a result of kit installation. Do not leave any other open holes in the wiring enclosure or electrical component enclosure during installation.

Minimum Luminaries Dimensions (2x4 troffer): 48”(L)x 24”(W) x 4”(H).

Minimum Luminaries Dimensions (2x2 troffer): 24”(L)x 24”(W) x 4”(H).

CAUTION: Before installing, make certain the AC power to the fixture is off.

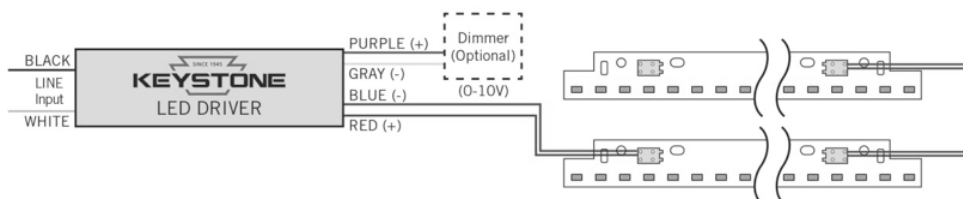
CAUTION: The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

CAUTION: LEDs are extremely bright. Do not look directly at the LED light source for extended time as over-exposure may cause harm to the eyes.

Installation

1. Read and understand all warnings and notes stated above, before proceeding with retrofit.
2. Check your retrofit kit against parts list.
3. Disconnect Power to Fixture.
4. Remove / Open the fixture’s diffuser cover

5. Remove Fluorescent tubes (Dispose of tubes in accordance with current State & Federal regulation.)
6. Remove ballast cover
7. Cut both wires at ballast to the AC
8. Cut the wiring at the lamp holder bases. Do not remove lamp holders.
9. Remove existing ballast.
10. Use cloth to wipe down the surface of the housing to remove all dust , dirt, etc before proceeding.
11. Install Power Supply with the screws provided in the kit. Be sure to mount the driver close enough to the LED modules so that the 12" output wires of the driver can reach the wire terminals on the end of one of the LED modules.
12. Attach double sided thermal tape to the LED modules to aide in placement of the LED modules in the housing (3 pieces for 43" modules: (1) on each end of the board and (1) between the center most mounting holes. 2 pieces for 22" modules (1) of each end.)
13. Remove backing to thermal tape and install modules into the housing using existing sockets for guidance on spacing and maintaining parallel alignment. Modules should be no more then 9" apart.
14. Connect Red (+) and Blue (-) output wires from power supply to wire terminal on one of the two modules. On the opposite end of the module, use supplied jumper wires Red (+) and Blue(-) to link both modules together in a parallel wiring configuration. (+) to (+) and (-) to (-) on the wire terminals.
15. Connect Purple and Gray 0-10V dimming wires to low voltage dimming wires entering the housing (if applicable.) If 0-10V dimming feature is not being utilized, cap purple and gray wires individually.
16. Connect input leads from power supply to AC Mains connection (from existing housing) via power quick disconnect or wire nuts (not included. Consult local electrical code for guidance on the acceptable connection method of the AC.)



(Diagram for #14, 15, 16.)

17. Re-install ballast cover over new power supply. Ensure power supply output wires and jumper wires are entering and existing thru the ballast covers ends with no obstructions or snags, and that no more than 4” of wiring is exposed at any of the 3 different wire exit points.
18. Use tek screws included with the kit to secure the LED modules to the housing, using the existing mounting holes in the modules. Use at least 8 tek screws per module. Start at one end of the module and work your way down to the other end. Ensure the module is flat against the metal pan at all locations to ensure optimal thermal performance. Installer may drill pilot holes at their discretion to aid in installation.
19. Adhere Luminaire Modification label to the fixture on the ballast cover where it is easily visible to anyone servicing the fixture in the future.