



*Avante Retrofit Kit
Installation Instructions*
Revised: 20161220

These instructions do not purport to cover all details or variations in components nor to provide for every possible contingency to be met in connection with installation, operation, or maintenance. Should further information be desired or should a particular problem arise which is not covered sufficiently for the purchaser's purpose, the matter should be referred to Linmore LED Labs. Linmore does not claim liability for any installation not performed according to this guide or not by a qualified electrician.

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. DANGER – RISK OF SHOCK – DISCONNECT POWER BEFORE INSTALLATION
2. WARNING – Risk of fire or electric shock. LED Upgrade Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Product must be installed in accordance with NEC or your local electrical code. If you are not familiar with these codes and requirements, contact a qualified electrician.
3. WARNING – Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of the LED upgrade kit. Check for enclosed wiring and components.
4. WARNING – Risk of fire or electric shock. Check the existing wiring for damage before installing upgrade kit. Do not install if existing wires are damaged.
5. WARNING – To prevent wiring damage or abrasion, do not expose wires to the edge of sheet metal or any other sharp objects.
6. WARNING – Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.
7. The retrofit assembly is accepted as a component of a luminaire where the suitability of the combination shall be determined by UL or authorities having jurisdiction.
8. Only the holes indicated in the photographs or drawings may be made or altered as a result of the kit installation. Do not leave any other holes open in a wiring enclosure or electrical component.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE NOTES:

1. Retrofit Kit is for installation in a common Lithonia Avante Troffer in 2'x2' or 2'x4' configurations.
2. Consult your local authority regarding disposal or recycling of removed ballast and lamps.

LIST OF SUPPLIED COMPONENTS:

Ready-To-Connect Avante Retrofit Kit
Self-Tapping Screws: 4

LIST OF ITEMS INSTALLER MAY HAVE TO SUPPLY:

Wire nuts
Extra self-tapping screws

NOTE: The instructions below reflect the steps necessary for retrofit of a typical Avante troffer.

Step 1: Remove the basket lens running down the middle of the troffer.



Step 2: Remove the existing linear fluorescent tubes and properly dispose of them.

Step 3: Remove the center channel cover to expose the fluorescent ballast(s). Set aside and properly dispose.

Step 4: Cut the leads from the ballast to the socket housing on both ends of the luminaire and cap socket leads. When cutting the leads, leave the smallest amount of wire attached to the luminaire. Or, completely removed the sockets and wiring. Installer's choice.

Step 5: Cut the leads from the ballast to the input power ensuring to leave as much length as possible for electrical connections. Remove ballast from housing and dispose of properly.

Step 6: Push exposed socket leads back into socket housing on each side of the luminaire or cap any exposed accessible leads.

Step 7: Prepare input power by stripping input power leads 5/8".

Step 8: Bring the ARK to exposed center channel. The input power should be connected to the provided quick disconnect. Make the input electrical connection per diagram on the face of the LED Driver. The White Input Wire is the Neutral. The Black Input Wire is Line Voltage Input from 100 – 277 Volts.



Step 9: The LED Driver comes standard with 0-10 Volt Dimming. The Red with White Stripe, Purple, and Grey wires on the output side of the driver are for dimming functions.

If the dimming functions will be used, this is the function of the dimming wires:

Purple: 0-10V + Dimming Input

Grey: 0-10V – Dimming Input

Red w/White Strip: Input Power Supply for Dimmer at 12 Volts (when required by dimming system).

Step 10: Compact any excess wire lengths under the channel cover.

Step 11: Center and place the ARK over the center channel and secure using the supplied self-tapping screws in the 4 holes at the corners of the ARK channel cover.



Step 12: Restore the power supply to the fixture and ensure proper operation.

