

Installation Instruction Guide
SP4507 (LED Retrofit Kit)

Available in Nominal 48 and 96 inch in length

(Designed to retrofit Suspended Fluorescent luminaires of varying sizes with widths of 12" and minimum depth of 3.5")

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

NOTES

- Installation should be completed by an individual familiar with the construction and operation of the luminaire.
- Installation of luminaire must be in accordance with the requirements of the Canadian Electrical Code and National electrical code for the specific hazardous locations area classification of the installation.
- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- Do not restrict luminaire ventilation.
- Ensure LED luminaire is not covered with material that will prevent convection or conduction cooling.
- Do not exceed luminaire's maximum ambient temperature rating as marked on the luminaire.
- Maximum voltage output complies with the definition of Class 2 per Canadian Electrical Code. This product complies with this requirement since the installation instruction requires installation in restricted access area.

WARNINGS

Electric shock:

- Disconnect or turn off power before installing or servicing luminaire.
- All electrical wiring to be completed by a qualified licensed electrician in accordance with local and National/Canadian Electrical Code.
- Ensure supply voltage corresponds to that marked on the luminaire. If there is a mismatch DO NOT proceed!
- Avoid exposing wiring to metal edges and sharp objects.
- Ensure that the luminaire is properly grounded to prevent electric hazards.
- **All supply field wiring to the luminaire shall be rated 600V and 75°C minimum.**

Fire:

- Keep flammable and combustible materials away from the light source and/or lens.
- Use correctly rated supply conductors as indicated by product labeling.

Burn:

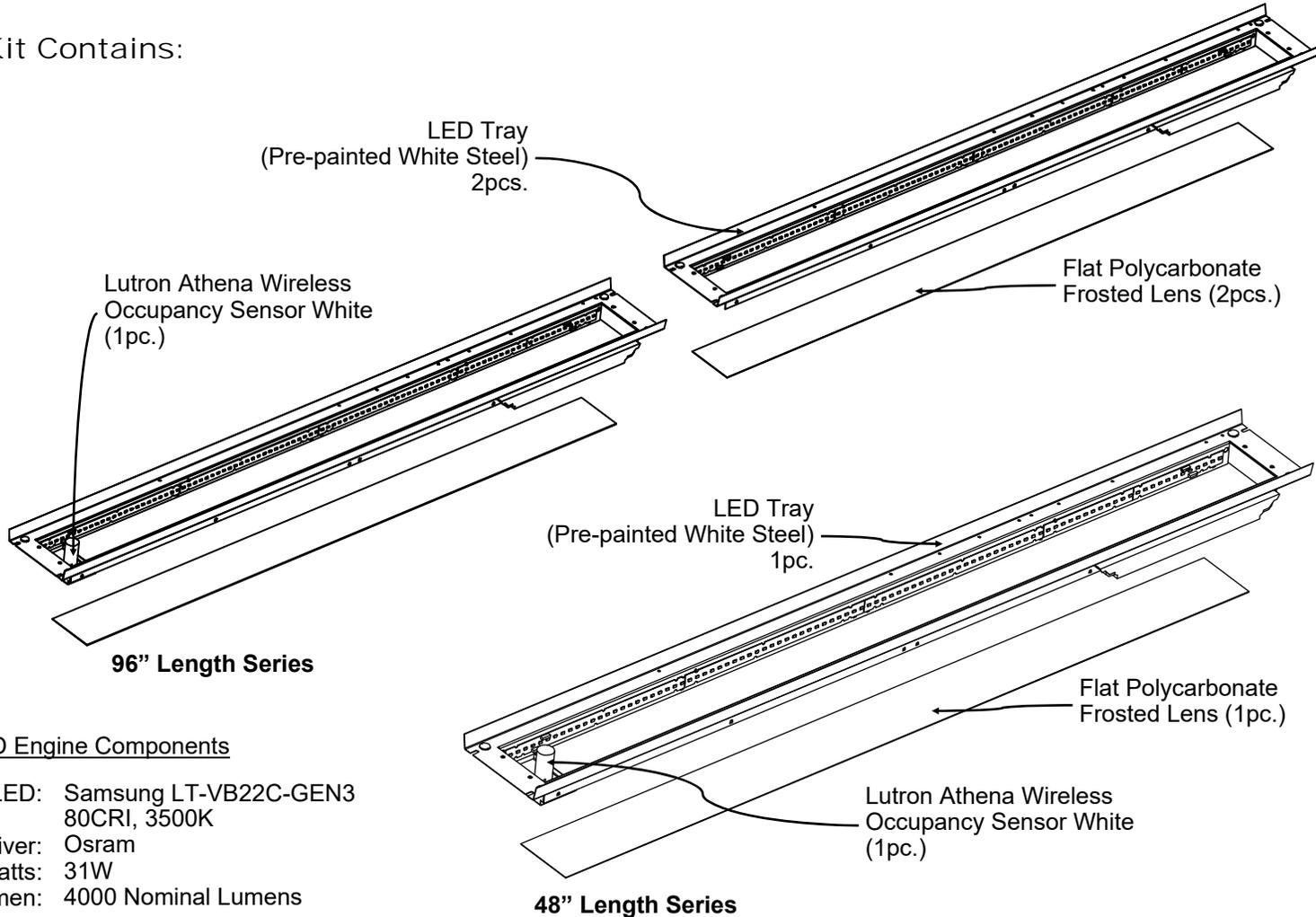
- Allow luminaire to cool before handling luminaire.

Personal Injury:

- Wear safety glasses and gloves when handling the luminaire to avoid physical injury.
- Avoid direct eye contact with light source.

Manufacturer is not responsible for any injuries due to the improper installation or handling of its products.

Kit Contains:



LED Engine Components

- LED: Samsung LT-VB22C-GEN3
80CRI, 3500K
- Driver: Osram
- Watts: 31W
- Lumen: 4000 Nominal Lumens

Tools Required



⚠ 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.
- Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire
- Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.
- WARNING - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

FOR RETROFIT KITS CERTIFIED TO CANADIAN REQUIREMENTS

- 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 ELECTRI-

Instructions:

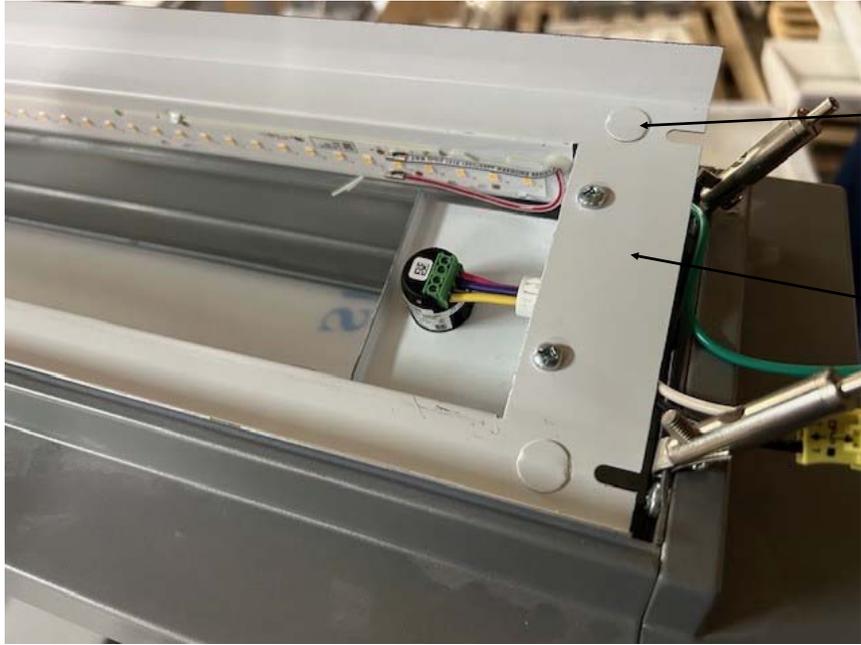
1. Remove existing Fluorescent socket tray.
2. Disconnect and remove ballast from incoming feed and wiring from the sockets.
3. Remove both screws from each end of existing louver gear tray and discard. Remove also the metal counter balance bracket (Fig.1).
4. Peel off film on both sides and install lens (provided) from top side. Smooth side to face up.
5. Punch out 1/2" dia. knockout on retrofit kit (Fig.2) and run ground wire through and make wire connections as per local electrical code requirement.
6. If applicable for 8 foot units, use snap in quick connectors.
7. Place retrofit kit into existing fixture from top side and fasten down with 2 screws at each end.

Note: for 4 foot units, quick connect wiring is not applicable.



Metal Counter
Balance Bracket

Fig. 1



1/2"Ø Knockout for wiring

Retrofit Kit-SP4507

Fig. 2