



Operation Instruction

— Direct Replacement

Product Name : LED PL Lamp Series
Input Voltage: Determined by fluorescent ballast

1. Product Features:

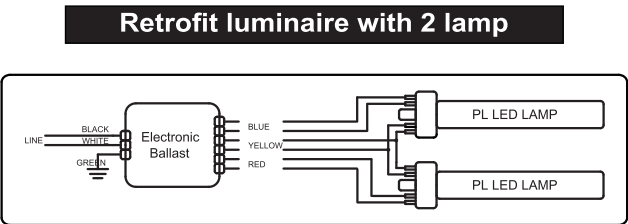
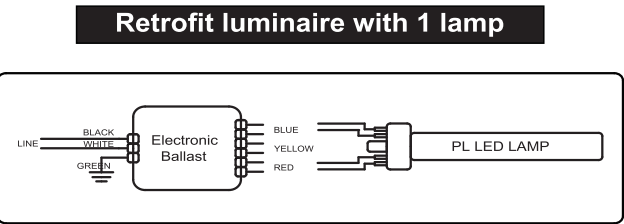
- UL certified
- Plug-n-Play replacement
- Compatible with electronic instant start, rapid start, and programmed start ballasts.

2.Installation Instructions:

Please completely comply with these instructions and notes, to ensure that the product is operated in a safe condition.

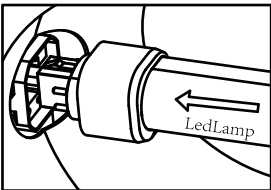
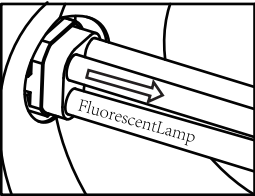
⚠ Safety Precautions:

- 1). WARNING: Risk of shock. Disconnect power before installation.
- 2). LED PL lamp for use only with products described and installed in accordance with product specifications. LED PL lamp to be operated with fluorescent electronic ballast.
- 3). WARNING: RISK OF FIRE, USE ONLY IN PLACE OF FLUORESCENT LAMPS SPECIFIED ON LABEL. RISK OF ELECTRIC SHOCK. SUITABLE FOR DAMP LOCATIONS.
- 4). DO NOT INSTALL THIS LAMP IN A PRE-HEAT LUMINAIRE

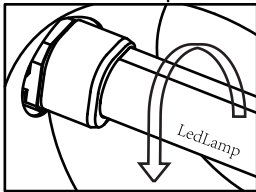


INSTALLATION INSTRUCTIONS

- 1) Make Sure Power is OFF
- 2) Remove lens or diffuser (if applicable)
- 3) Remove existing fluorescent lamps from the luminaire
- 4) Bring LED lamp to luminaire and insert lamp pins into luminaire lamp holders



- 5) Rotate LED lamp until lamp locks in place. Ensure that the LED lamp front points away from the back of the luminaire
- Note: install LED PL replacement lamp one for each fluorescent lamp removed*



- 6) Place lens or diffuser back in place (if applicable)
- 7) Power ON

CAUTION RISK OF FIRE - IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.

ATTENTION RISQUE DE FEU - SI LA LAMPE OU LE LUMINAIRE MONTRE DES SIGNES D'OPERATION INDESIRABLE (BRUIT, VIBRATION, CLIGNOTEMENT, ETC.), ALORS COUPER IMMÉDIATEMENT LE COURANT ET ENLÈVER LA LAMPE DE L'APPAREIL D'ÉCLAIRAGE ENTRER EN CONTACT AVEC LE FABRICANT.

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 drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

AVERTISSEMENT - Risque d'incendie ou de choc électrique. Installez ce kit dans des luminaires qui ont les caractéristiques de construction et dimensions indiquées dans les photographies et / ou dessins et la cote de l'entrée de la trousse de réparation ne dépasser la valeur nominale d'entrée du luminaire.

WARNING - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not, do not attempt installation. Contact a qualified electrician.

AVERTISSEMENT - Risque d'incendie ou de choc électrique. Installation du kit de Retrofit LED exige une connaissance des systèmes électriques luminaires. Si vous n'êtes pas, ne tentez pas de l'installation. Contactez un électricien qualifié.

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

AVERTISSEMENT -Pour éviter d'endommager le câblage ou à l'abrasion, ne pas exposer le câblage aux bords de tôle ou d'autres objets pointus.

NOT FOR EMERGENCY LIGHTING.

THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.

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.

Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation. 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.

TESTED WITH THE BELOW BALLAST. SEE INSTRUCTIONS OR WEBSITE FOR MORE INFORMATION ON BALLAST COMPATIBILITY.

LAMP MODEL	HALCO	SUNPARK
PLD/LED/9W/IS/XXX	EP2CF26PS/MV/DC/K	U-226PS-W
PLD/LED/7W/IS/XXX	EP2CF18PS/MV/DC/K	U-218PS-W
PLD/LED/5W/IS/XXX	EP2CF13PS/MV/DC/K	U-213PS

This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30MHz.

The units covered by this report were intended to retrofit surface mount, Type IC or non-IC recessed mount Listed fluorescent luminaires that use maximum two lamps, the minimum lamp compartment dimensions are tabulated below.

LAMP MODEL	MINIMUM LAMP COMPARTMENT DIMENSIONS [Diameter x Height] [mm]
PLD/LED/9W/IS/XXX	185x125
PLD/LED/7W/IS/XXX PLD/LED/5W/IS/XXX	148x95

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