



Installation Instruction
CanopyLight

Rev	Rev Date	Change Description	Authority
A	20Mar2015	Initial Release	M. Teixeira

Note: Wiring and mounting instructions applies to all models

Model Numbers: ILTCPY-WaaC-bbb

Where aa = color temp (eg. 50 for 5000K)

and bbb = lumen output (eg. 13K for 13,000 lumens)

- **WARNING** – Risk of fire or electric shock. 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 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.
- **WARNING** – To reduce the risk of fire, electrical shock or injury, observe the following.
 1. Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
 2. Before installing, servicing or cleaning unit, switch power off at the service panel and follow the appropriate lock out / tag out safety procedures
- **FOR YOUR SAFETY** - Read and observe all CAUTIONS and WARNINGS shown throughout these instructions. While performing installations described, gloves safety glasses or goggles should be worn.
- **WARNING** – Risk Of Fire or Electrical shock. DO NOT ALTER,

RELOCATE, or REMOVE WIRING, LAMPHOLDERS, POWER SUPPLIES, OR ANY OTHER ELECTRICAL COMPONENT

- 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.

Included in retrofit kit:

- Retrofit assembly – ILTCPY-W50C-13K (example)
- Wire nuts – MHW30-172 (3 included)

Accessory options:

- Adapter plate – FLANGEKIT-21.5 (example)
- Zip ties (4 included with adapter plate)

Tools Needed:

- Wire connectors
- Wire cutter/Wire Stripper
- Gloves
- Nut Driver
- Screwdriver
- Safety Glasses

PREPARE ELECTRICAL WIRING:

A. **Electrical Requirements** – This fixture has an input voltage of 90-305VAC via a circuit protected by a circuit breaker.

B. **Grounding Instructions** – This fixture must be connected to a grounded metal, permanent wiring system using the green ground wire from driver.

C. **Strain Relief Requirements** – This fixture is equipped with a cord but no attachment plug. Therefore, the installer must include a strain relief sized properly for the cable and opening in the junction box it is attaching to. An example is the Heyco Products strain relief, part number 1150, or equivalent if routing wire into a junction box or through an access hole.

Prepare for Retrofitting Light Fixture:

CAUTION – Turn off power to Canopy lighting system before removing any cover.

Installing Retrofit Kit without Adapter Plate:

See Illustrations 1, 2, 3 and 4

1. Remove screw retaining door frame/lens assembly. Swing door frame down, slide sideways and remove from hinge.



2. Install kit by first removing existing lens and gasket. Remove retaining hardware holding the lens in place. Save hardware for use later.
3. Remove lens and gasket from frame. Carefully pull gasket from lens to be used as a spacer later in these instructions.
4. Attach the gasket to the retrofit kit in the same manner it was installed on the lens. You may need to stretch the gasket slightly.
5. Place the kit/gasket assembly into frame and attach using the retaining hardware saved from earlier step.
6. Inside existing fixture, remove old lamp and ballast. If necessary, disconnect and remove the lamp socket to enable access to AC feed voltage. Be sure to connect directly to the AC voltage in next step and NOT to the output voltage of the existing ballast/transformer.
7. Hang retrofit kit assembly to hinge and secure to avoid it from falling.
8. Route AC feed voltage to the AC input of the power supply on retrofit kit. Terminate Line, Load and Ground (using Green ground wire from fixture) according to NEC or local electrical code using wire nuts (included). Retrofit cast includes a wiring chamber with liquid tight cord grips. When using wiring chamber, apply caulking around perimeter where lid attaches to ensure water tight seal.
9. Swing door back into place and secure using retaining hardware.
10. Turn-on circuit breaker and test.

Installing Retrofit Kit with Adapter Plate:

See Illustrations 5, 6, and 7

1. Remove screw retaining door frame/lens assembly. Swing door frame down.
2. Removing existing lens. Remove retaining hardware holding the lens in place. Save hardware for use later.
3. Measure removed lens. Adapter plate can be trimmed in field if needed.
4. Place retrofit kit into adapter plate and hold secure in place with 4 zip ties through slots and around rim labeled in illustration 5.
5. Place the kit/plate assembly into frame and attach using the retaining hardware saved from earlier step.
6. Inside existing fixture, remove old lamp and ballast. If necessary, disconnect and remove the lamp socket to enable access to AC feed voltage. Be sure to connect directly to the AC voltage in next step and

NOT to the output voltage of the existing ballast/transformer.

7. Route AC feed voltage to the AC input of the power supply on retrofit kit. Terminate Line, Load and Ground (using Green ground wire from fixture) according to NEC or local electrical code using wire nuts (included). Retrofit cast includes a wiring chamber with liquid tight cord grips. When using wiring chamber, apply caulking around perimeter where lid attaches to ensure water tight seal.
8. Swing door back into place and secure using retaining hardware.
9. Turn-on circuit breaker and test.

Trouble-shooting and Maintenance Instructions

CAUTION – Turn off power to the canopy lighting system before removing any covers.

The power supply can be replaced in the field.

TROUBLE-SHOOTING

1. If an entire unit is not lighted but other fixtures on the same circuit are, either there is a wiring problem to that unit or the LED driver driver/power supply is defective.
2. Check wiring connections to the unit at the driver. If the connections look OK, proceed to “Replacement of LED Driver”.
3. Replacement of LED Driver – Shut power off to the canopy lighting system. Swing door to fixture. Disconnect AC and Ground. Remove fixture from hinge.
4. LED Driver is attached to plate. Remove plate by removing 8 screws. Remove driver from plate by removing 4 screws with washers on other side of plate. Cut the DC output cable 3” from power supply. Strip remaining cable back 1” and strips conductors .5”. Connect Red and Black wires of new driver to conductors previously stripped. Mount new driver using mounting screws previously removed.
5. Reinstall fixture as per previous installation instructions.

Fixture Cleaning Instructions

1. The lens and aluminum housing should be cleaned periodically with a mild liquid dish detergent.
2. Keep the outside clean. Wipe with a clean cloth lightly dampened with mild liquid dish detergent. Dry with a clean, soft cloth. Do not use



scouring pads, powdered cleaners, bleach or cleaners containing bleach because these products can scratch and damage the finish.

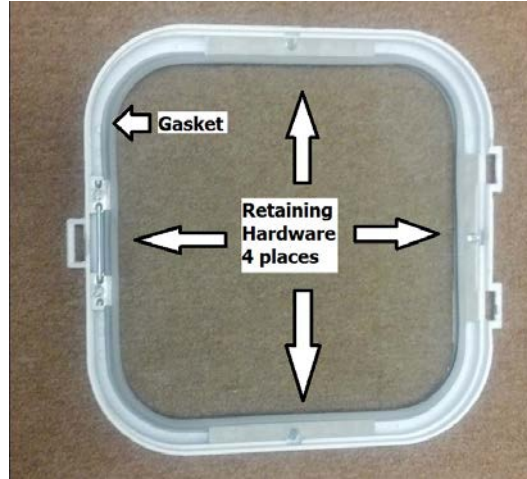


Illustration 1



Illustration 3



Illustration 2



Illustration 4

2/20/2015

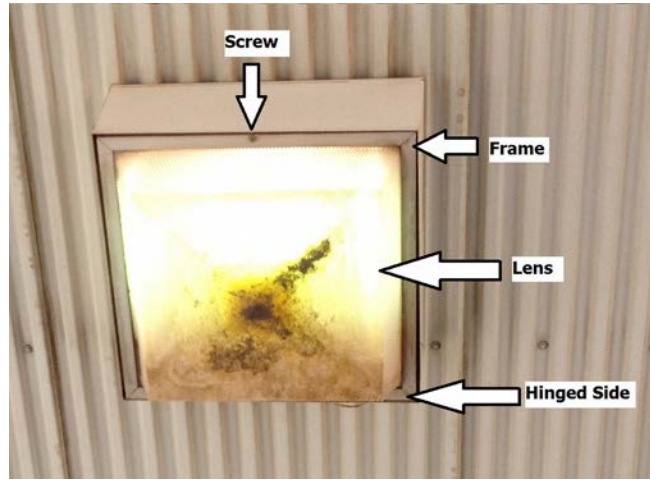


Illustration 5



Illustration 7

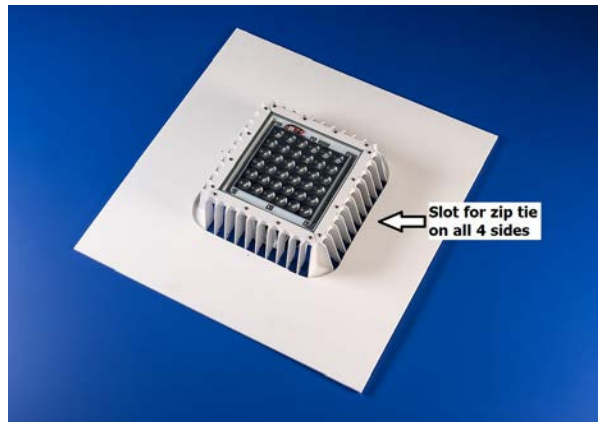


Illustration 6



[Products](#) >

LED Lighting

LED Lighting Products include Cooler & Open/Reach-in Case LED Replacement Lighting, Gas Pump Canopy LED Replacement Lighting, Under Shelf LED Task Lighting, Architectural LED Lights, and more!

CUSTOM LED LIGHTING SOLUTIONS - [Contact the ILT LED Lighting Sales Team](#) to discuss YOUR custom application.

Almost All LED Lighting Products Ship Within ONE (1) WEEK of Order Receipt.

LED Lighting Product PRICES are NOT listed on this Web site. [Please contact the ILT LED Lighting Sales Team](#) for prices.

[LED Lighting Division Partner Resources](#) - Links to ALL data sheets, installation instructions, videos, etc.



CaseLight LED Cooler Lights for Refrigerated Display Cases

Rugged, high efficiency LED-based display case lighting for Grocery and Convenience Store cooler, refrigerated, freezer, and heated food display cases.

CaseLight is DLC Listed!

[Sylvania LEDStixx & GE Immersion Cross References](#)



CanopyLight LED Canopy Lights

Replace Metal Halide Light Fixtures in Gasoline Pump Canopies at Gas Stations with LED Canopy Lights - Cost-Effective (LOWEST INSTALLED COST!), Energy Efficient, Bright Light, Long Lifetime.

CanopyLight is DLC Listed!

[Watch the Installation Video](#)



Horizontal CaseLight Open Case LED Lighting

Horizontal CaseLight LED Lighting System replaces fluorescent light fixtures in open, reach-in, multi-deck, dairy, produce and prepared food display cases.

Horizontal CaseLight is DLC Listed!

[Sylvania LEDStixx & GE Immersion Cross References](#)



ILT SoffitLight LED Lights

LED Soffit Light Retrofit Kit - Replace Metal Halide Light Fixtures in Many Types of Soffit Lighting Applications - Cost-Effective, Energy Efficient, Bright Light, Long Lifetime.

SoffitLight is DLC Listed!

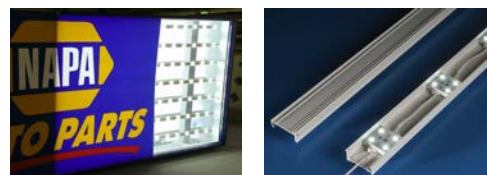


ILT ShelfLight Open Case Under-Shelf LED Retrofit System

ShelfLight replaces fluorescent light fixtures under shelves in open, reach-in, multi-deck, dairy, produce and prepared food display cases. ShelfLight is the perfect complementary product to ILT's Horizontal CaseLight LED Lighting fixtures.

ShelfLight is DLC Listed!

[Sylvania LEDStixx & GE Immersion Cross References](#)



New ILT LED Sign Retrofit Rail System

Simple, easy system to retrofit fluorescent or neon lit signs with LED Modules.

Applications include Single and Double-Faced Cabinets, Fuel Price Signs, Fuel Pump Canopy Fascia, Logo Signs, Pylon Signs and Large Channel Letters.



LED Architectural Lighting

Ideal for architectural and landscape lighting - cove lighting, indirect accent decorative lighting in commercial and residential applications, etc.



Jewelry Case LED Lighting

ILT LED modules (LEFT) vs Fluorescent Lighting (RIGHT). Please contact [Pete Couture, Director, LED Lighting Products](#), for product specifications and pricing. (Special Order - Minimum Order Quantity must be met.)



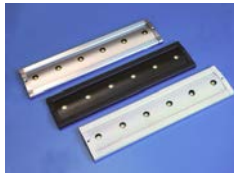
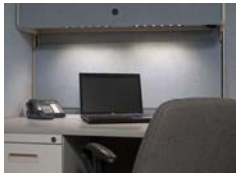
Store Window Display Case LED Lighting

Please contact [Pete Couture, Director, LED Lighting Products](#), for product specifications and pricing. (Special Order - Minimum Order Quantity must be met.)



ILT10 & ILT10C Hand-Held Lux/Foot-Candle Light Meters

Need a Light Meter? ILT's most economical light measurement system. The ILT10 reads out in Lux or Foot Candles. Designed for use in a wide variety of applications needing a quick, accurate light measurement. ILT10C comes with NIST traceable, ISO 17025 accredited calibration. Purchase in ILT's online store!



Illumaled LED Under Shelf Lighting

The stylish, high-efficiency LED Under Shelf Lighting System provides a superior alternative to fluorescent and halogen under shelf task lighting. [LEED Building Press Release](#)



LED Retrofit Lamps

Genuine, high-quality Sylvania LED Retrofit Lamps - reduced energy and maintenance costs when compared to conventional halogen lamps. Available as retrofit replacements for screw-in halogen PAR20, PAR30LN, and PAR38 lamps as well as a retrofit replacement for halogen bi-pin, GU5.3 based MR16 lamps.

[Contact ILT](#) | Tel: 978-818-6180 | Fax: 978-818-6181 | 10 Technology Drive, Peabody, Massachusetts 01960

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