



**READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION**

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Installation and service of luminaires should be performed by a **qualified licensed electrician**.
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved. Regular fixture maintenance programs are recommended.
- It will occasionally be necessary to clean the outside of the refractor/lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user. Refractor/lens should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry. Should optical assembly become dirty on the inside, wipe refractor/lens and clean in above manner, replacing damaged gaskets as necessary.
- **DO NOT INSTALL DAMAGED PRODUCT!** This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
- Recycle: For information on how to recycle LED electronic products, please visit www.epa.gov.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to Acuity Brands Lighting, Inc.




WARNING
RISK OF ELECTRIC SHOCK

- ✓ Disconnect or turn off power before installation or servicing.
- ✓ Verify that supply voltage is correct by comparing it with the luminaire label information.
- ✓ Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.
- ✓ All wiring connections should be capped with UL certified wire connectors.




WARNING
RISK OF BURN

- ✓ Allow lamp/fixture to cool before handling. Do not touch enclosure or light source.
- ✓ Do not exceed maximum wattage marked on luminaire label.
- ✓ Follow all manufacturer's warnings, recommendations and restrictions for: driver type, burning position, mounting locations/methods, replacement and recycling.



CAUTION
RISK OF INJURY

- ✓ Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- ✓ Avoid direct eye exposure to the light source while it is on.



CAUTION
RISK OF FIRE

- ✓ Keep combustible and other materials that can burn, away from lamp/lens.
- ✓ Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.



CAUTION: RISK OF PRODUCT DAMAGE

- ✓ Never connect components under load.
- ✓ Do not mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation.
- ✓ Unless individual product specifications deem otherwise: Never connect an LED product directly to a dimmer packs, occupancy sensors, timing devices, or other related control devices. LED fixtures must be powered directly off a switched circuit.
- ✓ Unless individual product specifications deem otherwise: Do not restrict fixture ventilation. Allow for some volume of airspace around fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.
- ✓ Unless individual product specifications deem otherwise: Do not exceed fixtures maximum ambient temperature.
- ✓ Only use fixture in its intended location.
- ✓ LED products are Polarity Sensitive. Ensure proper Polarity before installation.
- ✓ Electrostatic Discharge (ESD): ESD can damage LED fixtures. Personal grounding equipment must be worn during all installation or servicing of the unit.
- ✓ Do not touch individual electrical components as this can cause ESD, shorten lamp life, or alter performance.
- ✓ Some components inside the fixture may not be serviceable. In the unlikely event your unit may require service, stop using the unit immediately and contact an ABL representative for assistance.
- ✓ Always read the fixtures complete installation instructions prior to installation for any additional fixture specific warnings.

Please see product specific installation instructions for additional warnings or any applicable FCC or other regulatory statements.

Failure to follow any of these instructions could void product warranties. For a complete listing of product Terms and Conditions, please visit www.acuitybrands.com.

Our Brands	Indoor/Outdoor Lithonia Lighting Carandini Holophane RELOC Light Concepts	Indoor Lighting Gotham Mark Architectural Lighting Peerless Renaissance Lighting Winona Lighting	Outdoor Lighting American Electric Lighting Antique Street Lamps Hydrel Tersen	Controls DARK TO LIGHT LC&D ROAM Sensor Switch Synergy	Daylighting SunOptics
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Acuity Brands Lighting, Inc. assumes no responsibility for claims arising out of improper or careless installation or handling of its products.

ABL LED General Warnings, Form No. 503.203

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LED IMPORTANT SAFETY INSTRUCTIONS

INSTALLATION INSTRUCTIONS 2VTLR *Relight Assemblies*

WARNING – Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retro fit kit. Check for enclosed wiring and components.

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 the 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: Electrical shock can occur during retrofit component installation if power is not turned off.

WARNING: Installation of this retrofit assembly requires a person familiar with the construction and operation of fluorescent luminaire electrical systems and the hazards involved.

WARNING: Ensure that existing fixture is and remains properly connected to building ground. Use of any other than the Lithonia Lighting supplied screws to install assembly may result in ungrounded fixture components.

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

For cUL units, THE RETROFIT KIT IS ACCEPTABLE AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY CSA OR AUTHORITIES HAVING JURISDICTION

“NOT FOR USE WITH DIMMERS”

INSTALLATION INSTRUCTIONS
2VTLR Relight Assemblies

Class R type II retrofit Kit

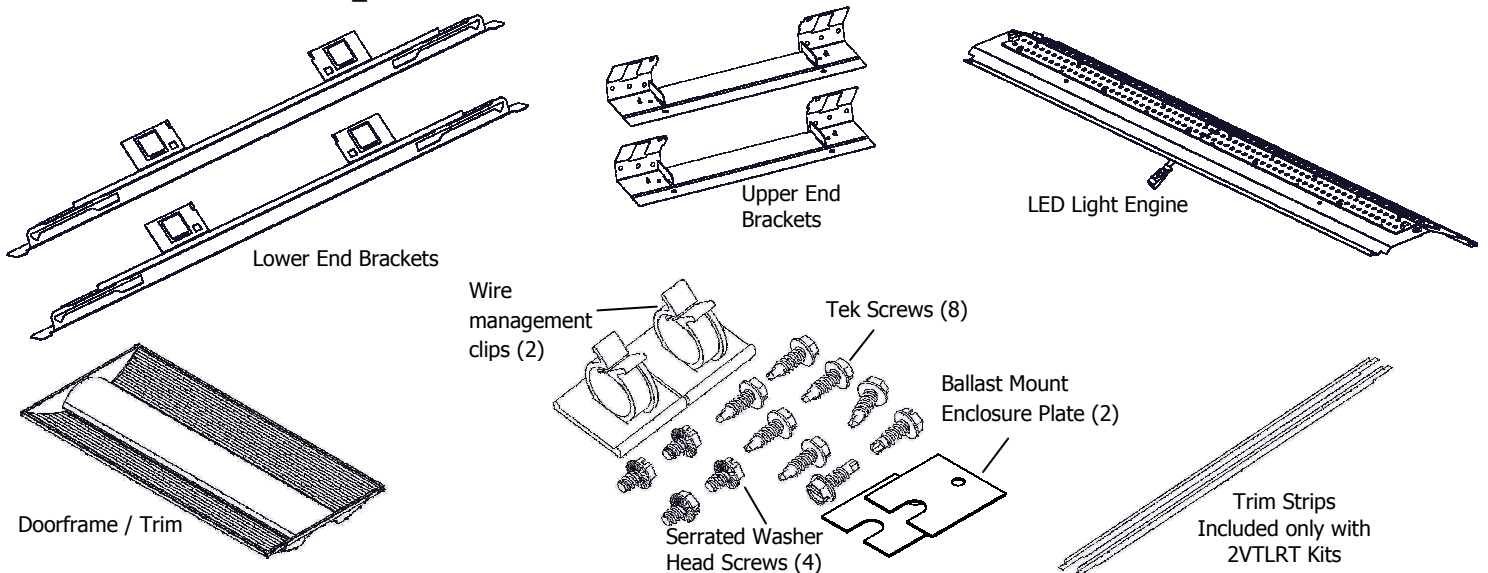
Installation Instructions for Fixture Conversion Retrofit Classified by Underwriters Laboratories, Inc

Reflector Kit Type II : Reflector installation or replacement
 Lamp holder relocation, removal, or replacement
 Ballast relocation, removal, replacement or addition

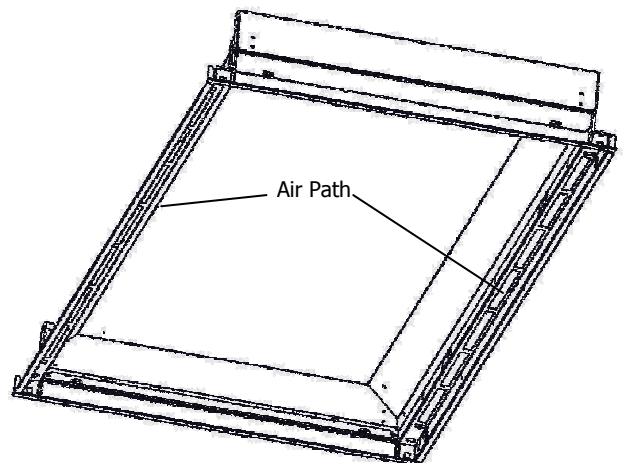
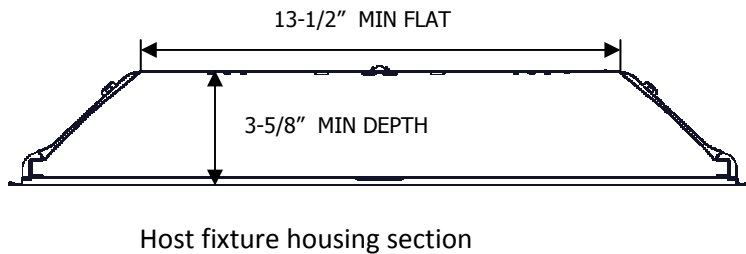
This retrofit kit will consist of:

- (2) Lower end brackets (Note: Paint color depends on specific kit ordered. 2VT_R kits black; 2VT_RT kits white)
- (1) Prewired LED electrical assembly with LED boards, LED Driver, ballast disconnect.
- (1) Reflector
- (1) Doorframe / trim / refractor assembly
- (1) Hardware pack containing self-drilling tek screws, serrated washer head screws, and self-adhesive wire guides (Job packs will have bulk-packed hardware with each pallet)

Note: 2VT_RT kits will also include (2) white molded trim strips shown below. Trim strips are not needed and are not included in 2VT_R kits.



This kit is approved for installation in luminaires with steel housing construction (not aluminum), having the dimensions shown, in dry or damp locations. This kit is approved for use in air handling luminaires when the intended air path is along the luminaire side(s) as shown.



INSTALLATION INSTRUCTIONS
2VTLR Relight Assemblies

Step One:

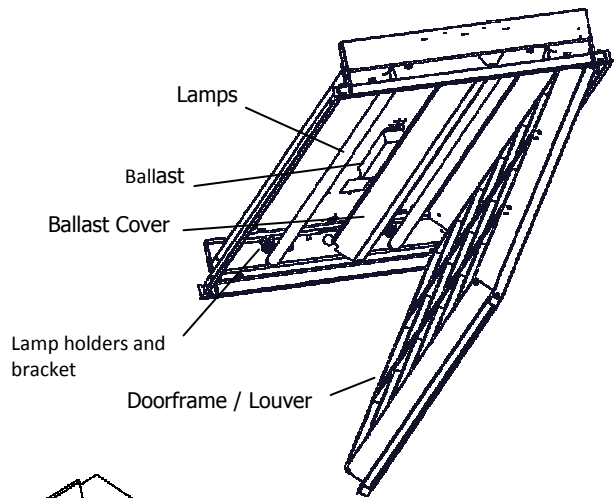
Locate the fluorescent lighting fixture that is to be retrofitted. **Turn off power.**

Remove louver or doorframe from existing fixture. Remove lamps and set aside to be recycled. Remove existing ballast cover.

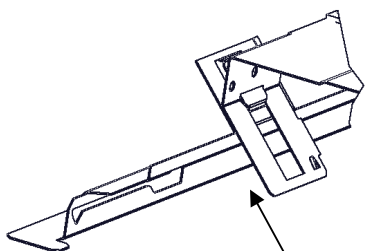
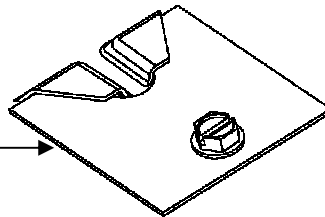
- Identify power supply wires and clip to prepare for use with ballast disconnect.
- Remove ballast, lamp holder brackets, and lamp leads as necessary to provide adequate clearance for kit installation. NOTE: Fasteners removed during component removal must be reinstalled to close open holes.
- If ballast is secured with a screwless mounting feature, use provided ballast mount enclosure plate to complete enclosure as shown.
- Recycle or properly dispose of all components removed from host fixture.

Step Two:

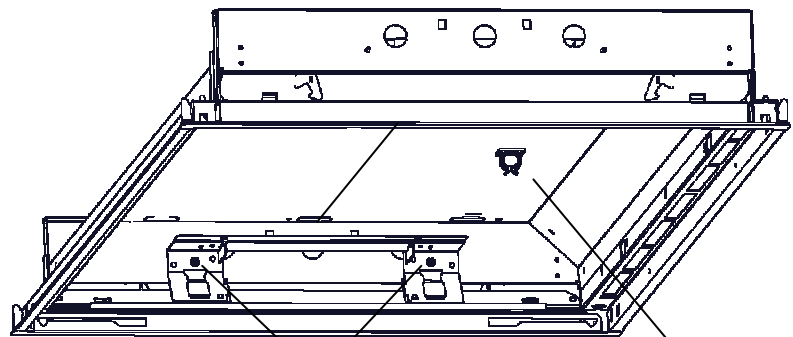
Assemble upper and lower end brackets. (See image) Install assembled end brackets by sliding lower end bracket flange between T-grid and lower frame of host fixture, sliding back until assembly seats firmly against host fixture end plate. Use provided tek screws to secure end bracket assembly into position. Position wire management clip at least 4-1/2" from center line of housing.



BALLAST MOUNT ENCLOSURE PLATE INSTALLATION



Slide and lock upper and lower end brackets together as shown.



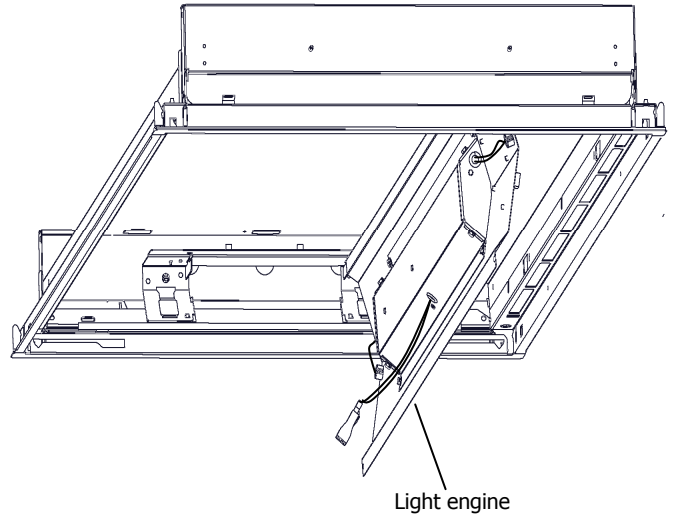
Provided tek screws

Wire management clip

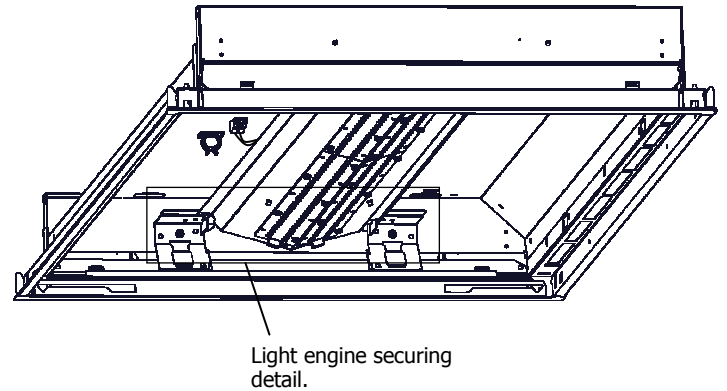
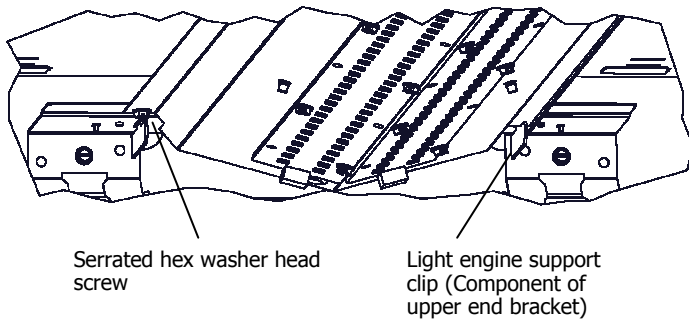
INSTALLATION INSTRUCTIONS
2VTLR Relight Assemblies

Step Three:

Hang light engine from either side of upper end brackets on hooks provided. Light engine hangs freely during wiring. Connect ballast disconnect to incoming power supply. After wiring is completed, rotate light engine into final position and attach at each end with serrated hex washer head screw. Opposite side is supported by upper bracket only. Use wire management clip to position wires away from LED board mounting panel.



Light engine securing detail.

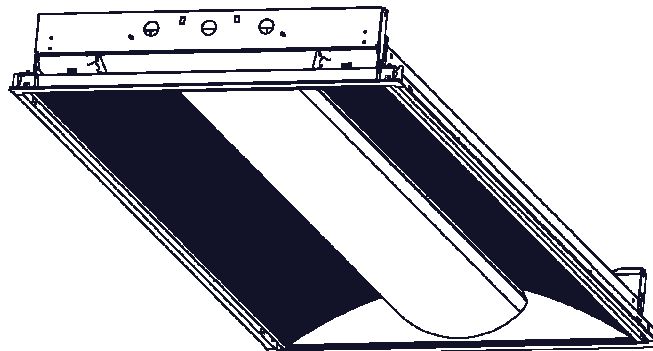
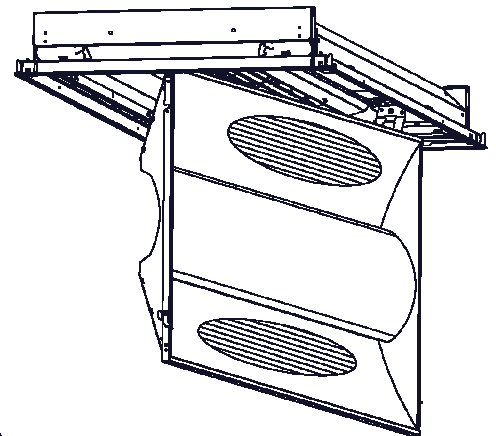


Step Four: Install Door / Trim / Enclosure

The trim assembly hinges and latches from either side. Slide corner hinge into the slot in one of the end brackets and repeat on opposite end.

Attach bond wire to host fixture housing.

Close door and rotate cam latches into cam latch receiving slot. Check to make sure cam latches are properly engaged and door is secure.



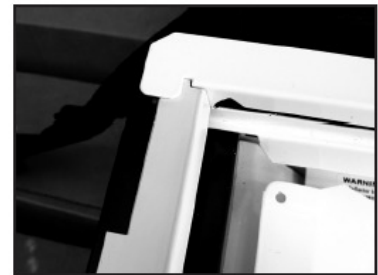
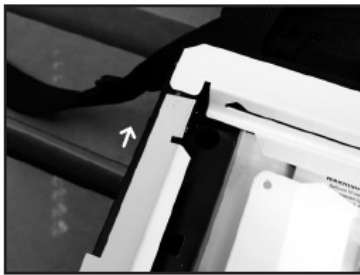
INSTALLATION INSTRUCTIONS
2VTLR Relight Assemblies

Optional Step to Install Trim Kits (lensed troffer application):

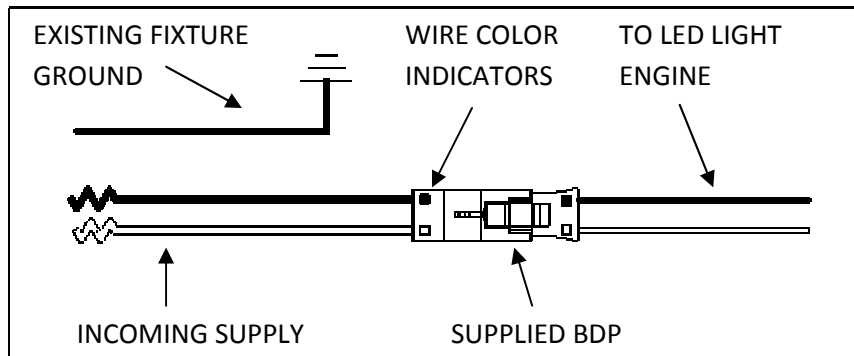
The 2VT8RT / 2VT5RT Relight Assembly is shipped with two flexible reveal cover trim pieces. Some installations in existing lensed troffers can leave unsightly gaps between the side rail of the Relight door frames and the existing housing, which can leave old hinge and latch points exposed. The trim kit is designed to cover these to insure an attractive installation.

To install, slide the ends of the trim piece under the Relight end brackets as shown in in the photo. When they are fully in place, slide the notch of the trim piece towards the end bracket to fully seat the part. The part is flexible so this step can typically be completed either before or after full installation of the Relight assembly.

Optional Step:



WIRING DIAGRAM



**Help save our environment by recycling
all remaining components.**

Save these instructions.