



**Anthony LED Lighting System
Retrofit Installation Instructions
For Models 101X and 101A**

99-16999-0000

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Safety


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.

Grounding Instructions-Cable Direct

This lighting system must be connected to a grounded metal, permanent wiring system, or an equipment grounding conductor must be run with the system conductors and be connected to the equipment grounding terminal or lead on the lighting fixture.

STOP
BEFORE YOU BEGIN
 Read instructions completely and carefully.

 **WARNING: TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY, OBSERVE THE FOLLOWING:**

- 1) Use this unit in the manner intended by the manufacturer.
- 2) Turn power off before removing existing lighting system and follow appropriate lock out/tag out safety procedures.



PREPARE ELECTRICAL WIRING

Electrical requirements

-This appliance must be supplied with 120V, 60 Hz., and connected to an individual properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker or time delay fuse.



For use inside a commercial refrigeration case with packaged foods only.

Proper safety equipment includes:



Safety Glasses



Work Gloves



Work Shoes

STOP
TURN OFF ALL ELECTRICAL POWER PRIOR TO BEGINNING WORK ON THE DOOR OR ON ANY ELECTRICAL COMPONENT. USE EXTRA CAUTION WHEN WORKING WITH OR AROUND THE DOOR GLASS PACKAGE.



1. Removing Fluorescent Lighting

1.1. Detach the lens assembly by disengaging the top, middle and bottom clips.



1.2. Remove the fluorescent light bulb.



1.3. Remove the lamp sockets.

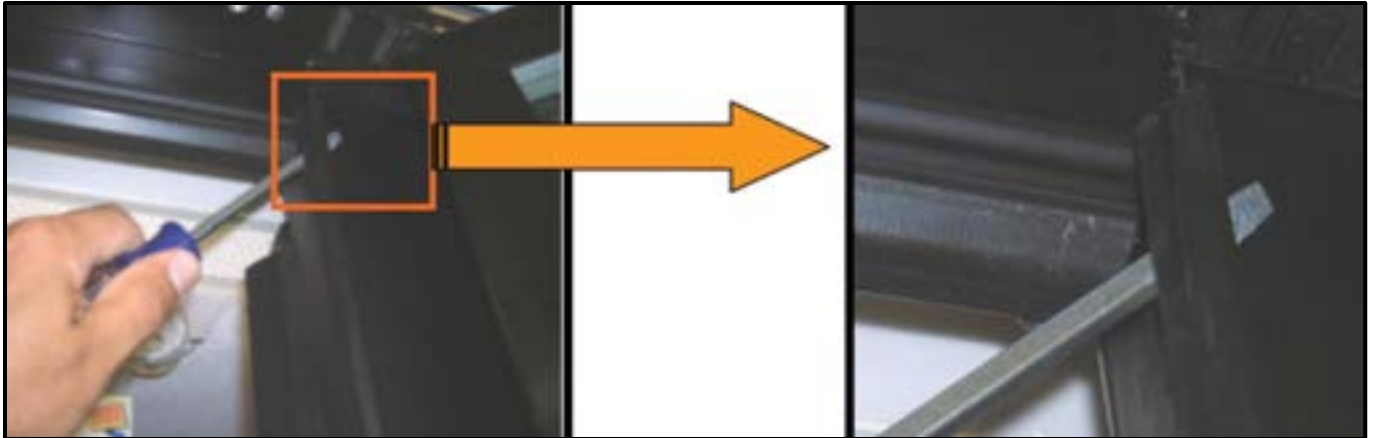


1.4. Remove the top and bottom socket clips.



2. Remove Sealing Plates

2.1. Remove the sealing plate by inserting a flat screwdriver under the retaining strip starting at the top. Repeat for the other side of the mullion.



NOTE: Remove metal reflectors prior to mounting LED fixtures if applicable.

3. Remove Ballasts

3.1. With the ballast exposed, remove the screws located at the top and bottom. Do not discard the screws, they will be used for mounting the drivers.



3.2. Unplug the power and light connectors.



NOTE: Remove and dispose of existing ballasts per any local or Federal guidelines.

4. Installing LED Fixtures

4.1. Place the bottom bracket onto the mullion, making sure the bottom wire access hole is not covered. Using the bracket as a template, mark the mounting hole locations.



4.2. Center the middle and top clips onto the mullion. Using the clips as templates, mark the mounting hole locations.



4.3. Carefully drill six Ø .136" (#29) holes through the center and end mullions making sure the wires inside the mullions are not damaged.

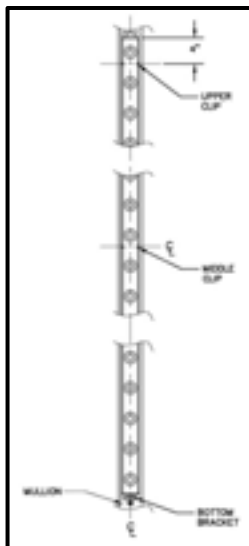


4.4. Cover the upper holes using the seal provided.



NOTE: Seal any open holes using neutral cure silicone to prevent air infiltration.

4.5. Attach the brackets and clips, using #8 x 1/2" thread forming screws.



4.6. Insert the fixture bottom bracket. Feed the wire leads through the bottom wire access hole.



4.7. Snap the LED fixture into the middle and top retaining clips.

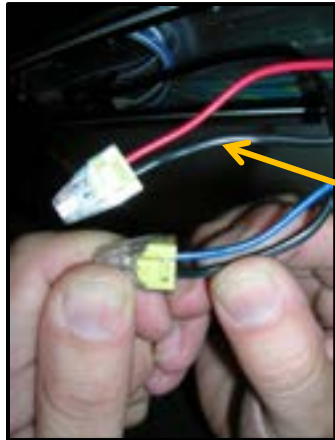


5. Driver Installation

5.1. Install the driver in the same location where the ballast was fitted, using the existing self-tapping screws. (The driver may have to be moved up or down to coincide with the hole pattern.)



- 5.2. Connect the ribbed wire from the light fixture to the Red wire (+) from the driver and the smooth wire from the fixture to the Blue wire from the driver, using WAGO connector part # 773-162 or other approved connector.



Ribbed Wire (+)

- 5.3. Connect LED driver input Black (+) and White (-) wires to the Blue (+) and White/Blue (-) 120 VAC line wires from the case, using WAGO connector part # 773-162 or other approved connector.



NOTE: Polarity of lead wires is critical.

- 5.4. Re-install sealing plates and apply power.



6. Revision History Page

REV	ORIGINATOR	DESCRIPTION OF CHANGE	EFFECTIVE DATE
A		Initial Release	12/30/2009
B		Reformat	02/15/2011
C	Sam Fisher	New Logo, Reformat	07/09/2013