

# RMBL220 Series LED Retrofit Kit

## Installation Instructions

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### **Read all instructions and warnings before attempting installation.**

- 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 wiring and components.
- WARNING** Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of construction and operation of the luminaire's electrical systems and the hazards involved. 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 and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- 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** Do not make or alter any open holes in and enclosure of wiring or electrical components during kit installation.
- WARNING** 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** Risk of personal injury. Wear gloves and safety glasses at all times when removing from carton, installing, servicing and maintaining this equipment.

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.

Los Angeles Lighting Mfg. Co. assumes no responsibility for claims arising out of improper or careless handling or installation of this product.



**Los Angeles Lighting Mfg. Co.**

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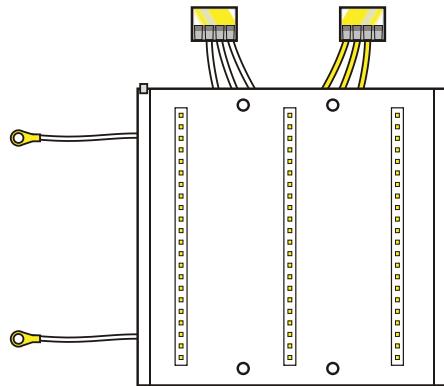
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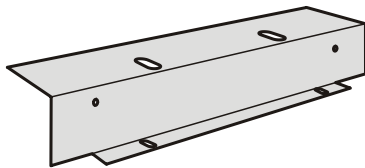
### PARTS LIST

- **Pre-Wired LED Assembly, 1x**

Assembly with LED boards and Safety cables.



- **Mounting Bracket, 2x**



- **LED Driver, 1x**

- **Hardware Package, 1x**

Package contains the below items:



Self-Drilling Tek Screws, 8x



Tooth Washer, 1x



Quarter-Turn Fastener, 4x



Ground Wire, 1x

- **Labels, 3x**

Luminaire Modification Label, 1x  
Replacement Parts Label, 1x  
Ballast Disconnect Label, 1x

**IMPORTANT** Check your retrofit kit against the parts list.

**IMPORTANT** Do not touch the LEDs during installation to prevent the risk of damaging LEDs.

**IMPORTANT** Always disconnect power before attempting installation.

**IMPORTANT** A label with model number and date of manufacture is included in the package and must be installed in the luminaire once installation is complete. This label must be applied in compliance with the UL standard.

**IMPORTANT** Installation requires application of the Luminaire Modification Label in your kit, as per UL. This label includes the statement: "This fixture has been modified and can no longer operate the originally intended lamp". This label should be applied to the fixture housing once installation is complete.



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### Step 1

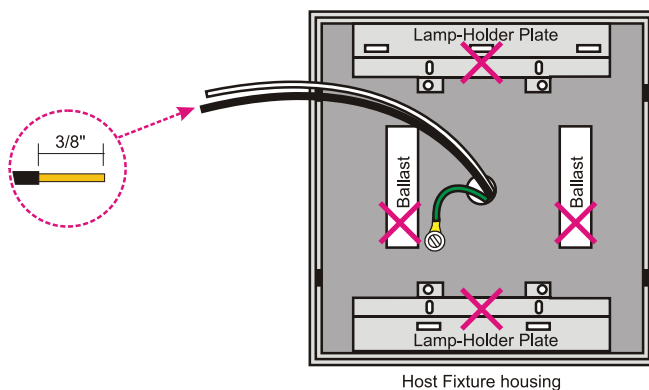
Locate the fluorescent lighting fixture (host fixture) that's to be retrofitted, DISCONNECT POWER.

### Step 2

Remove door frame assembly of the host fixture, keep it on a clean surface and be protected, it will be re-installed once conversion is complete.

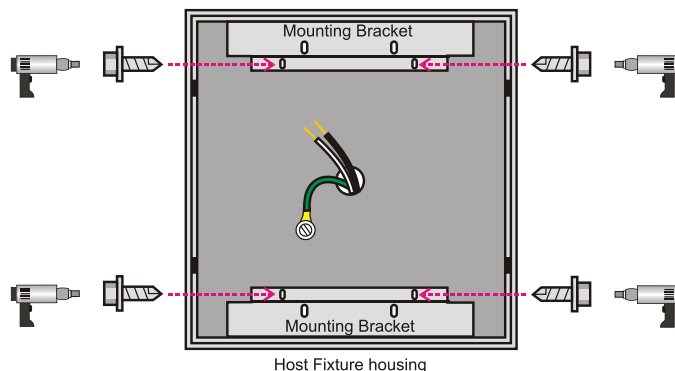
### Step 3

- Remove fluorescent tubes and specular reflector from the host fixture.
- Identify power supply wires, clip and strip the ends 3/8" to prepare for use with the Driver Disconnect.
- Leave existing Ground wire (Green) attached, do not remove.
- Remove lamp-holder plates, ballast(s) and extra wires from the host fixture.
- Recycle or properly dispose of all components removed from host fixture.



### Step 4

- Secure two Mounting Brackets to the host fixture housing, use four of provided Self-Drilling Tek screws, two per bracket.



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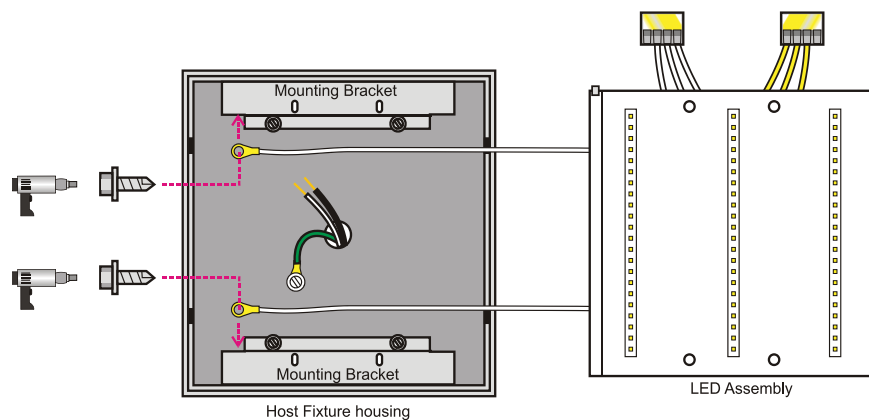
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### **Step 4 (Continued)**

- Secure Safety cables (White with Ring-Terminal) of the LED Assembly to the pre-drilled hole on the front side of Mounting brackets, one on each bracket, use two of provided Self-Drilling Tek screws.

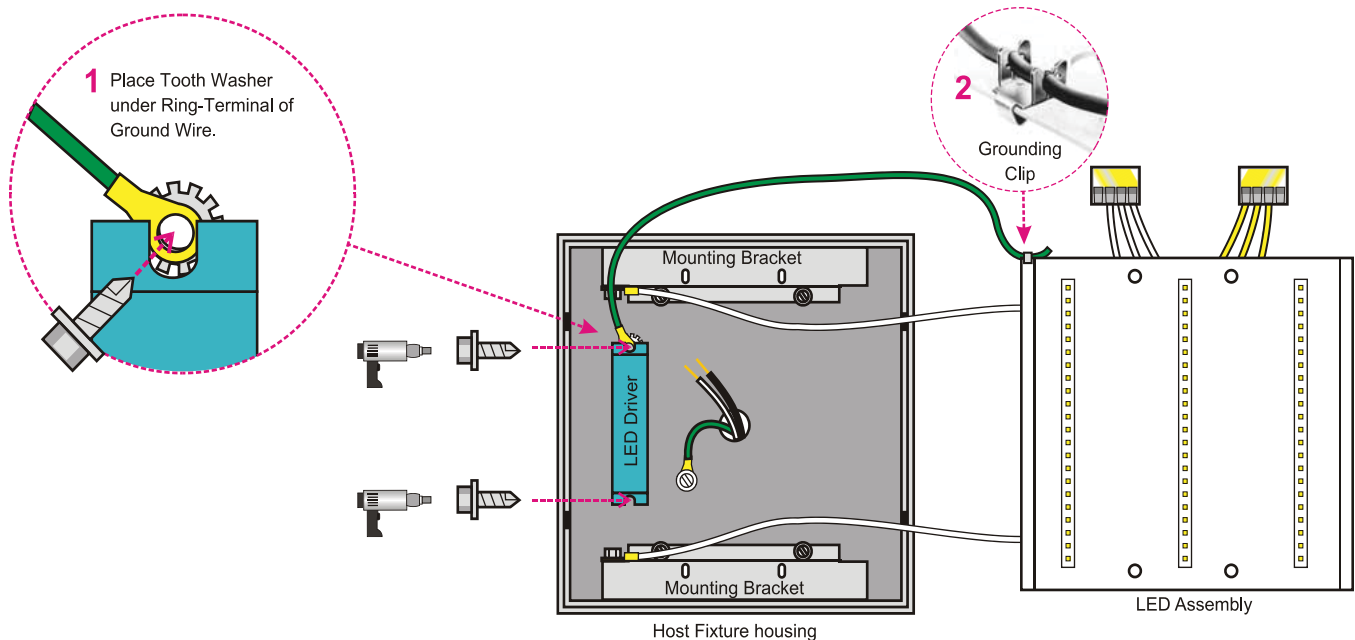


### **Step 5**

- Use two of provided Self-Drilling Tek screws to secure the LED Driver.

To make sure the luminaire is properly grounded:

1. Place provided Tooth Washer under the Ring-Terminal of Ground Wire while installing LED driver.
2. Connect the end of ground wire to the Grounding Clip on LED assembly, press wire into the insulation displacement terminals .



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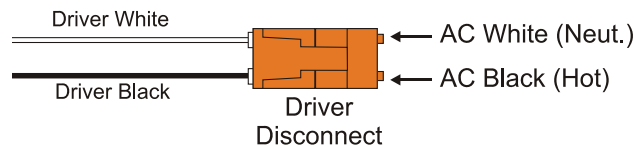
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### Step 5 (Continued)

- Connect LED driver Blue (-) and Red(+) wires to the LED Assembly by pushing the wire to the push-in connectors. ( Driver Blue to LED White / Driver Red to LED Yellow)



- Connect power supply wires to the Driver Disconnect. (AC Black to Driver Black / AC White to Driver White)

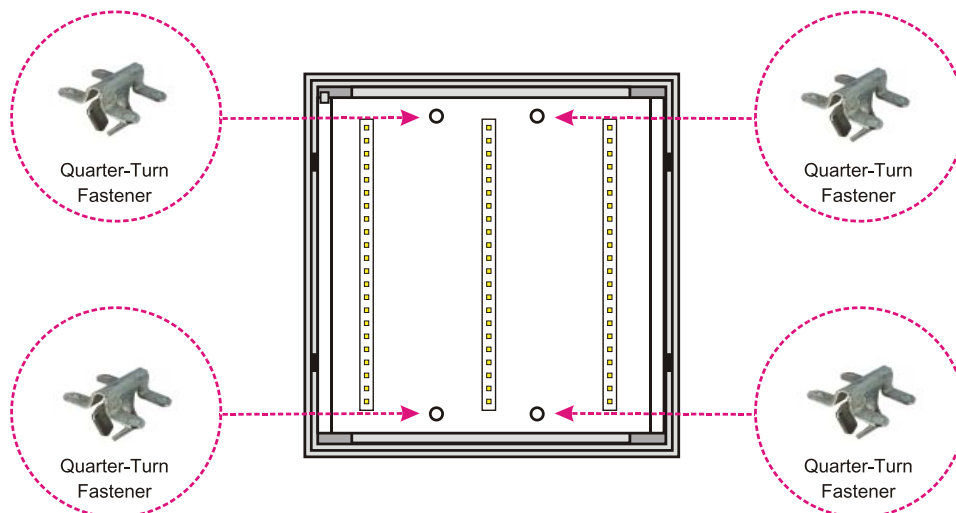


### Step 6

Apply provided labels to the fixture. All provided labels must be applied in compliance with UL standard.

### Step 7

- Place the LED Assembly against the Mounting Brackets, align four round holes on the LED assembly to the four ob-round holes on Mounting brackets.
- Install four provided Quarter-Turn Fasteners by gently press through the holes, and then turn 90° to secure.



### Step 8

Re-install the door frame assembly.



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