

RWHO100/200/300 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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Tel : 626-454-8300 Fax : 626-454-8399 www.lalighting.com

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PARTS LIST

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

Assembly with LED boards, Driver, Safety cable and Driver Disconnect.



- **Hardware Package, 1x**

Package contains the below items:



Self-Drilling Tek Screw, 6x



Grounding Screw, 1x



Keps-Nut, 1x

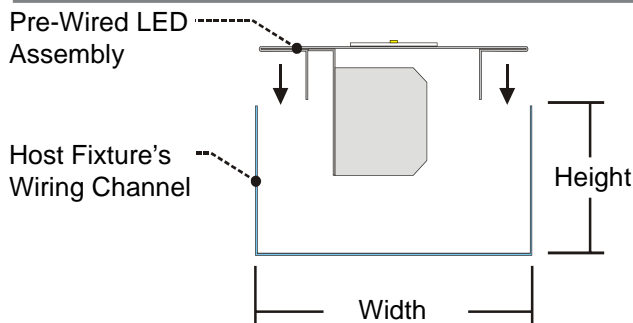


Thread Cap, 4x

- **Labels, 2x**

Luminaire Modification Label, 1x

Replacement Parts Marking Label, 1x



LED Retrofit Kit Series No.	Dimensions of Suitable Wiring Channel	
	Height	Width
RWHO100	Min. 1_1/2"	2_1/8" to 2_3/4"
RWHO200	Min. 1_1/2"	5_5/8" to 6_3/4"
RWHO300	Min. 1_1/2"	10_1/4" to 10_7/8"

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

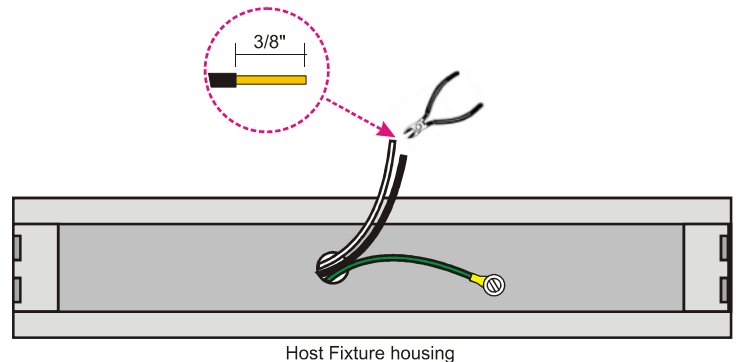
Locate the fluorescent lighting fixture (host fixture) that's to be retrofitted, DISCONNECT POWER.

Step 2

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

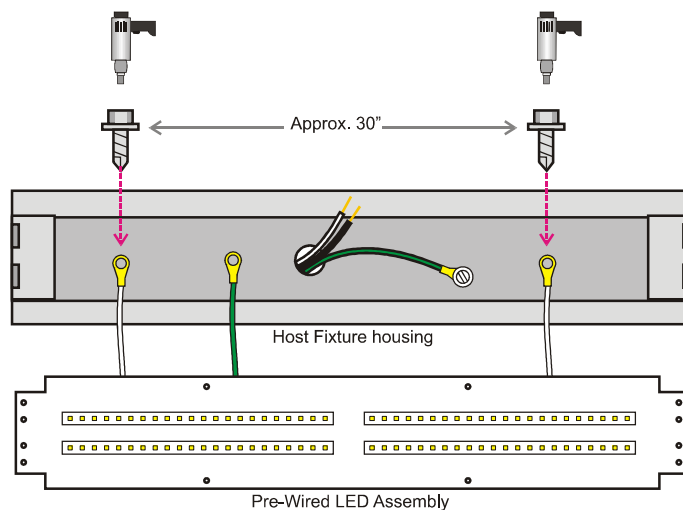
Step 3

- Remove fluorescent tubes, ballast/wire channel cover 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 ballast(s), lamp holders and extra wires from the host fixture.
- Recycle or properly dispose of all components removed from host fixture.



Step 4

Secure Safety cables (White with Ring-Terminal) of the LED Assembly to the host fixture, use two of provided Self-Drilling Tek screws.



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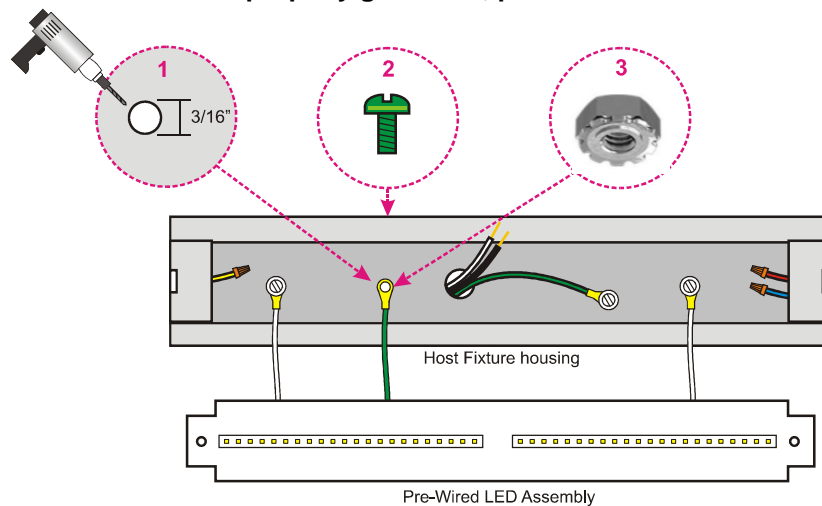
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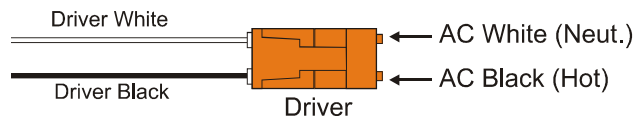
Step 5

1. Pre-drill one 3/16" dia. hole on the host fixture.
2. Install provided Grounding Screw (Green) from outside of the fixture through the pre-drilled hole.
3. Secure Grounding wire (Green with Ring-Terminal) of the LED Assembly to the host fixture, use provided Keps-nut. To make sure the luminaire is properly grounded, place the tooth washer side of Keps-nut on the Ring-Terminal.



Step 6

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

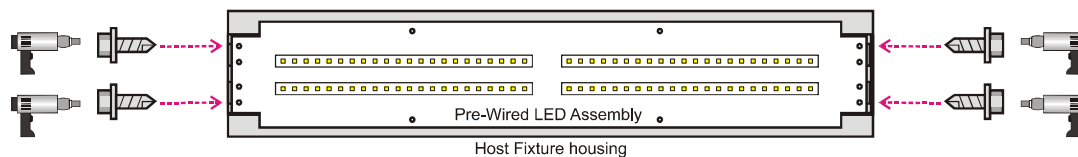


Step 7

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

Step 8

Place the LED Assembly against the lamp holder plates of host fixture, use the pre-drilled holes as pilots, run provided Self-Drilling Tek screws to secure the LED Assembly to the host fixture, two screws at each end.



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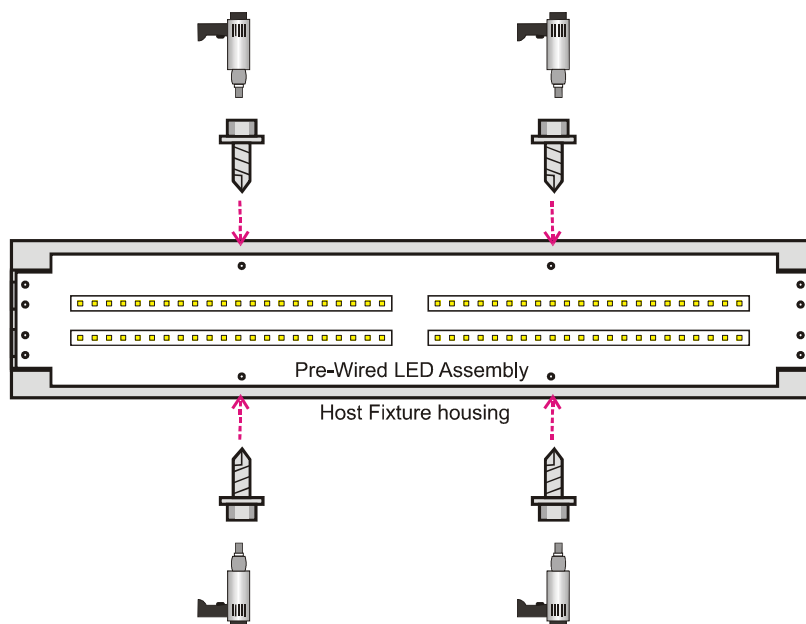
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Step 8 (continued)

- In case of no lamp holder plates are available on the host fixture, run provided Self-Drilling Tek screws on sides of the LED Assembly, use the pre-drilled holes as pilots, two screws at each side.



- Install provided Thread Caps on the exposed screw tip.



Side View of Host Fixture housing

Step 9

Re-install the diffuser.



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