



Installation Instructions

Exit Sign Retrofit Instructions

LED Exit Sign Retrofit Kit with Universal Voltage (120-277V)
Part Number: ESR

READ AND FOLLOW THESE INSTRUCTIONS BEFORE INSTALLING

SAFETY PRECAUTIONS:

Read all safety precautions and instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in potentially fatal electric shock and/or property damage and void the warranty.

This LED Retrofit kit may not be used with any type of dimmer.

To reduce the risk of fire, electric shock or injury to persons:

- Install in accordance with the National Electrical Code and local codes.
- Installation should be done by a licensed electrician.
- Disconnect power source and turn off breaker before beginning when building is unoccupied.
- Only install in a UL-924 listed sign.
- Do not handle an energized fixture or attempt to energize any fixture with wet hands or while standing on a wet or damp surface.
- Use only insulated staples or plastic ties to secure cords or wires.
- Route and secure cords or wires so that they will not be pinched or damaged.
- Be sure to mount the fixture on a surface that is structurally sound. Mounting brackets/screws are intended for installation on wood or metal surfaces. Do not install over a heat source.
- Not for use with dimmer switch.
- This kit is not to be used to retrofit exit lights containing batteries, or exit fixtures connected to a DC source of supply, or exit lights connected to more than one source of supply.
- This fixture is intended to be used in dry locations only.
- There are no user serviceable parts in this LED retrofit kit. Do not attempt to replace LEDs or the driver/power supply.
- Carefully check each exit light at least every 30 days to be sure it is operating at full brightness and replace the fixture if it is not.
- Installation of this kit is subject to inspection by the authorities having jurisdiction.
- An exit sign is a critical safety light. If, after installation, the sign is not fully lit and clearly visible from at least 100 ft away, remove the LED fixture and re-install the light source that had been there before. This LED retrofit kit will work properly in most, but not all, exit signs.
- Not intended for use with exit signs which include battery or DC power supply.
- The current rating of the kit multiplied by the total number of kits installed in exit signs on a branch circuit shall not exceed 80 percent of the rating of the branch circuit protective device.
- Do not use if product and its use do not comply with the above

NOTE: BEFORE INSTALLING the LED retrofit kits, existing exit sign fixtures must be disassembled. Remove the fluorescent or incandescent bulb(s) LED board(s), ballasts (in fluorescent fixtures) or drivers (LED fixtures) and hardware in accordance with the instructions provided with your UL-924 certified exit sign fixture used for regular 120 or 277 volt power on operation.

KIT CONTENTS & INSTALLATION INSTRUCTIONS for Part Number: ESR

ESR use with single or double-faced exit signs fixtures

One (1) LED Strip with power supply mounted inside the aluminum housing. (note: power supply not user serviceable and may not be replaced)

Three (3) Wire Connectors

E495318

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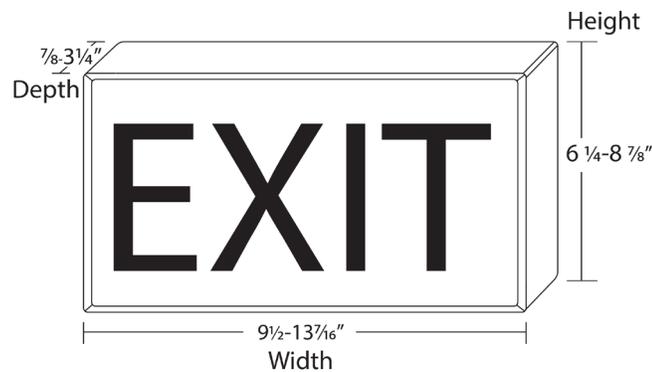
Pg.2 Contiued:Installation Instructions

Exit Sign Retrofit Instructions

INSTALLATION INFORMATION:

1. Select a suitable mounting location in the exit sign fixture. For most exit signs, the fixture should be installed as shown in FIGURE B1 (for box type of signs). The LEDs should be pointed up/down towards the word "EXIT". If you notice that the words on the sign are not lit up to full brightness and visible from at least 100 ft, remove the LED fixture and start over.
Never mount the LED strip on the right/left side of the fixture. Be sure not to block any vents.

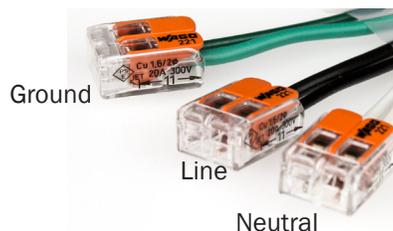
FIGURE B1: *If retrofitting Sign BOX type of exit sign, use the diagram below that corresponds to your exit sign brand/model Mounting bracket installation:*



2. To install the LED Strip, remove the protective film on the double sided VHB tape and place in the selected location. The LED strip must be centered in the mounting area of fixture. Once it is set, apply pressure to ensure a proper bond with the VHB tape and the fixture.
3. To remove LED fixture after installation, cut tape with a blade to separate it.
Note: you will need more VHB tape if this is done.
4. **WIRING THE FIXTURE**
 - Turn the main breaker/fuse to the fixture off
 - Refer to FIGURE B2 (below)
 - Bring the power input leads (black/white/green or hot/neutral/ground) to the input leads of the light fixture as shown.
 - Twist one lead of the stripped Input lead to the Black (Hot) power input lead. Secure with wire connector (provided).
 - Twist second lead of the stripped Input lead to the White (Neutral) power input lead. Secure with wire connector (provided).
 - Twist green grounding wire attached to LED fixture to the Green (Ground) power input lead. Secure with wire connector (provided).
 - After proper connections are made, in accordance with the National Electrical Code and local codes, turn on the main power

FIGURE B2:

Original 120/277 VAC Existing Input



Pg 3.Continued: Installation Instructions

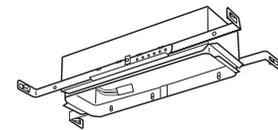
Exit Sign Retrofit Instructions

ESR use with EDGELIT type: exit signs:

One (1) LED Strip with power supply mounted inside the aluminum housing.
(note: power supply not user serviceable and may not be replaced)
Three (3) Wire Connectors

INSTALLATION INFORMATION:

1. Select a suitable mounting location in the exit sign fixture. See FIGURE C1 (below) The LEDs should be pointed down towards the word "EXIT." If you notice that the words on the sign are not lit up to full brightness and visible from at least 100 ft, remove the LED fixture and start over. Never mount the LED strip on the right/left side of the fixture. The power supply may be mounted on the right/left side along the long portion of the sign box. Be sure not to block any vents.



2. To install the LED Strip, remove the protective film on the double sided VHB tape and place in the selected location. The LED strip must be centered in the mounting area of fixture. Once it is set, apply pressure to ensure a proper bond with the VHB tape and the fixture. If there are any parts of the housing blocking a secure connection with the VHB tape, use extra VHB tape and layer it until it provides a higher mounting point for the kit.

3. To remove LED fixture after installation, cut tape with a blade to separate it. Note: you will need more VHB tape if this is done

4. WIRING THE FIXTURE

- Turn the main breaker/fuse to the fixture off
- Refer to FIGURE C2
- Bring the power input leads (black/white/green or hot/neutral/ground) to the input leads of the light fixture as shown.
- Twist one lead of the stripped Input Lead to the Black (Hot) power input lead. Secure with wire connector (provided).
- Twist second lead of the stripped Input lead to the White (Neutral) power input lead. Secure with wire connector (provided).
- Twist green grounding wire attached to LED fixture to the Green (Ground) power input lead. Secure with wire connector (provided).
- After proper connections are made, in accordance with the National Electrical Code and local codes, turn on the main power

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Original 120/277 VAC Existing Input

