

ZXE – 5000-IB Series

Part number: ZXE-5000-I-BB and ZXE-5000-I-BBUNV

LED Exit Sign Retrofit Kit

READ AND FOLLOW THESE INSTRUCTIONS BEFORE INSTALLING SPECIAL INSTRUCTIONS FOR BATTERY OPERATED SIGNS

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 circuit 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 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 device. 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.
- 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), in accordance with the instructions provided by the sign manufacturer with your UL-924 certified exit sign fixture used for regular 120 or 277 volt power on operation. Do not remove 4-6 watt small bulbs used for battery operation if you are installing in a sign with battery back up.

This kit is intended for use with box type signs that fit the models listed. FOR USE ONLY WITH EXIT FIXTURE ++ MANUFACTURED BY Cooper Lighting, where the ++ is UN Series and models: CHX303C, CHX318C, CHX503C and CHX518C for Control No. 521U or FOR USE ONLY WITH EXIT FIXTURE ++ MANUFACTURED BY Surelite, where the ++ is UN Series and Models: CHX303C, CHX318C, CHX503C and CHX518C for Control No. 521U or FOR USE ONLY WITH EXIT FIXTURE ++ MANUFACTURED BY BigBeam, where the ++ is ECX Series and Models: EXFxRWWU, where x is 1 or 2 faces for Control No. 452H. . FOR USE ONLY WITH EXIT FIXTURE ++ MANUFACTURED BY Alkco, where the ++ is EA Series; . FOR USE ONLY WITH EXIT FIXTURE ++ MANUFACTURED BY Alpha, where the ++ is 2800 Series; . FOR USE ONLY WITH EXIT FIXTURE ++ MANUFACTURED BY Lithonia, where the ++ is QM Series.

See complete warranty at www.RadionicHiTech.com

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KIT CONTENTS & INSTALLATION INSTRUCTIONS for ZXE-5000-IB
for type: INTERNAL POWER SUPPLY for use with BOX TYPE
Battery backup exit signs
For use with battery sign

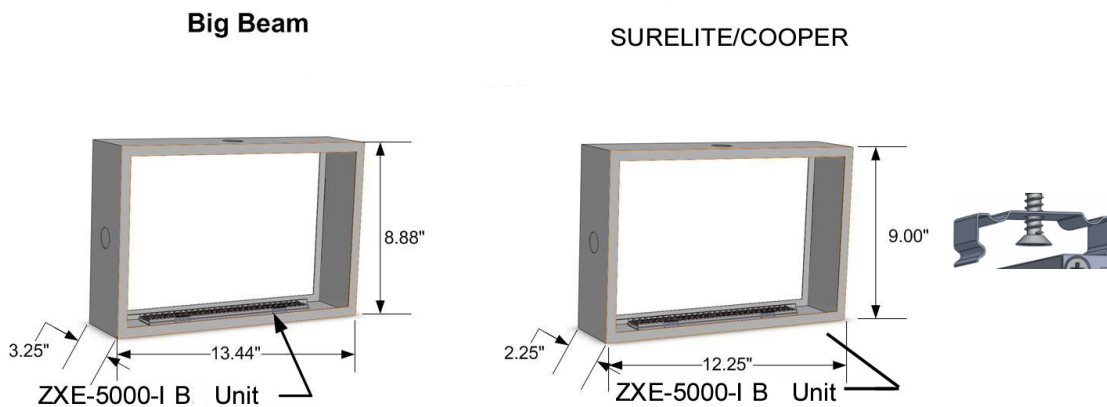
- One (1) LED RETROFIT KIT
- One (1) Input Connector (for use with ZXE-5000-IB)
- Two (2) Mounting Brackets for ZXE-5000-I LED Retrofit Kit
- Screws and Nuts
- Three (3) Wire Nuts

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 C2 (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.

FIGURE C2: If retrofitting BOX type of exit sign, use the diagram below & the model on bottom of 1st page.

ALKCO, LITHONIA, BIG BEAM OR ALPHA:



2. To install the LED Strip, use the two mounting brackets, nuts and two screws (provided). Pre-drill holes for mounting brackets and corresponding hardware in a suitable location. The LED strip must be centered in the mounting area of fixture. Place screw through center hole of bracket. Using a Philips screwdriver and install the mounting brackets to the suitable mounting location on the fixture (as described in step #1 and figure C2 above) using the screws and nuts (provided). Screw in the mounting brackets first to the mounting location on the fixture (as described in step #1 above), then snap in fixture.

3. Insert wire (provided) by pushing the end with plastic connector into the LED strip in the holes marked "in."

4. To remove LED fixture after installation, use a small screwdriver to slightly pry one side of the metal mounting brackets open and then twist the fixture away from that side of the bracket.

5. FOR WIRING EXIT SIGN WITH BACK UP BATTERY

- a. **Turn the main breaker/fuse to the fixture OFF**
- b. Remove existing 15, 20 or 25 Watt incandescent or PL7 fluorescent bulbs and dispose of safely. It is not necessary to cut or change in any way the wiring to those bulbs or to the ballast.
- c. Do not remove small night light bulbs (4-6 watts). DO NOT MAKE ANY CHANGES TO THE WIRING TO THOSE BULBS OR TO THE BATTERY CIRCUIT
- d. WIRE THE LED RETROFIT KIT directly to the black and white power leads coming from conduit. Wire as follows:
 - i. Black lead from LED Retrofit kit and black lead from exit sign fixture to black from mains (3 leads with 1 wire nut).
 - ii. White lead from LED Retrofit kit and white lead from exit sign fixture to white from mains (3 leads with 1 wire nut).
 - iii. Green lead from LED Retrofit kit and to green from mains. (Ground connection)
- e. After proper connections are made, in accordance with the National Electrical Code and local code, turn on the main power.