

## INSTRUCTIONS

### IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

- 1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
2. Disconnect power before performing work on electrical equipment.
3. Do not use outdoors.
4. Do not let power cords touch hot surfaces and do not mount near gas or electric heaters.
5. Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or eyes, flush with fresh water and contact a physician immediately.
6. Equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.
7. The use of accessory equipment not recommended by BeLuce Canada Inc. as it may cause an unsafe condition, and will void the unit's warranty.
8. Do not use this equipment for other than its intended purpose.
9. Servicing of this equipment should be performed by qualified service personnel.
- 10. SAVE THESE INSTRUCTIONS!**

## INSTALLATION

1. Extend 24 hour AC supply of rated voltage (see product label) to an electrical box. Leave at least eight (8) inches of slack wire. The circuit should not be energized at this time - do not energize the AC supply until indicated.
2. Remove the cover/exit assembly by grasping the backbox and pulling the cover away to expose the two (2) tension springs (Figure 1). Unhook the springs from the tabs inside the backbox to remove the cover/exit assembly (Figure 2 & 3).
3. The sign may be either recessed wall or recessed ceiling mounted. Remove the appropriate wire pass-thru hole from the back, top or end of the backbox enclosure. NOTE: Wall mounted fixtures have an exit faceplate with a 90 degree bend.
4. Use backbox the mark mounting position on wall or ceiling and cut hole for backbox.
5. Either attach the electrical box directly to the backbox or extend the AC supply to the backbox enclosure.
  - a) Direct Attachment: If attaching the electrical box directly, knockout the appropriate holes in the backbox, pass thru all wiring and then attached electrical box with appropriate screws (supplied by others).
  - b) Extend Wiring: If connecting the AC supply to a nearby electrical box, extend the wiring to the backbox and feed the supply circuit wiring through the wire pass hole. Use an approved connector to fasten the AC supply to the enclosure backbox.
6. Place the backbox enclosure into the final mounting position.
  - a) T-Bar Ceilings: Slide the hanger bars to match the width of the T-Bar channels (Figure 5).
  - b) Plaster/Drywall Ceilings & Walls: Remove all of the T-Bar mounting hardware (Figure 6). Rotate the backbox 90° and place into ceiling or wall. Install one bracket, rotate the backbox install the second bracket. Rotate the backbox back 90° and place plaster flanges against ceiling or wall.
7. Secure the backbox into place.
8. Hold the cover/exit assembly upto the installed backbox and hook one of the tension springs into one of the internal tabs (Figure 2 & 3).
9. Connect AC supply per diagram provided (Figure 4). Insulate unused wire!  
CAUTION! - Failure to insulate unused wire may result in a shock hazard or unsafe condition as well as equipment failure.
10. Hook the other tension spring into the remaining tab and push the assembly back up into the housing until secure.
11. Energize power to fixture. The LEDs board inside will light and the EXIT faceplate will now be illuminated.

### TO CHANGE RUNNING MAN PICTOGRAM (IF NECESSARY)

- a. Unbolt the faceplate from the trim assembly.
- b. Slide faceplate assembly out of the trim assembly.
- c. Remove buttons (Figure 7).
- d. Exchange pictogram.
- e. Reinstall buttons press together (Figure 8).
- f. Slide face into the trim assembly and secure with nuts and bolts.

### SELF-POWERED:

1. For models GDE-SP, plug the battery into the circuit board per (Figure 4) self-powered sign.

## MAINTENANCE

1. The lamps listed herein when used according to the instructions with this unit are in accordance with the requirements of CSA Standard C22.2, No. 141 – Unit Equipment for Emergency Lighting.
2. Clean faceplates/lenses on a regular basis.

**NOTE:** Always turn off AC power before servicing. The servicing of any parts should be performed by qualified service personnel. The use of replacement parts not furnished by BeLuce Canada Inc., may cause equipment failure and will void the warranty.

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Figure 1

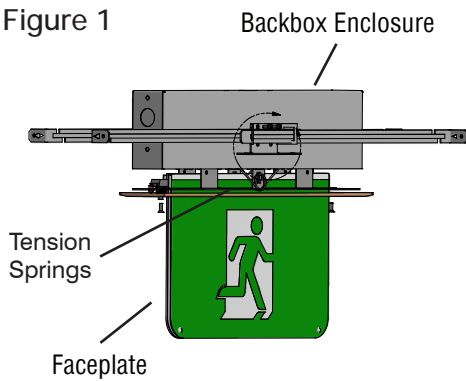
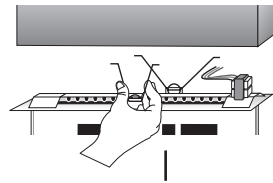


Figure 2



Squeeze Tension Spring Clip Together To Remove/Install Cover Exit Assembly

Figure 3

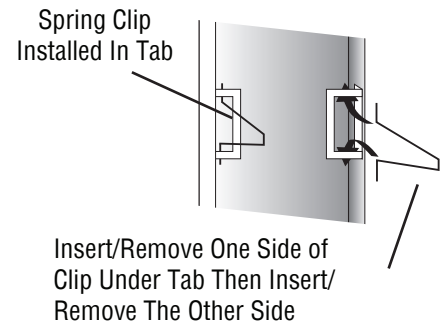


Figure 4

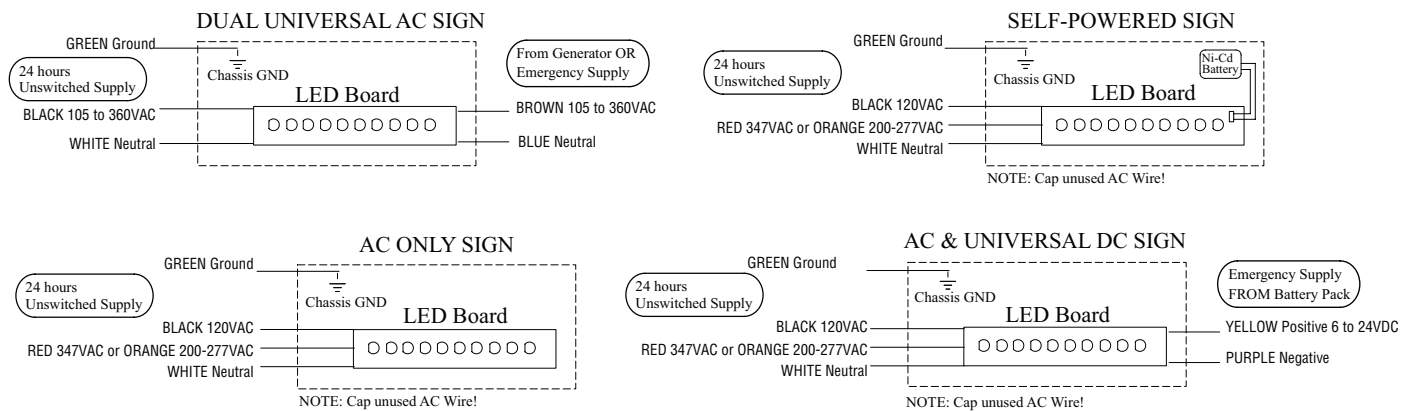


Figure 5

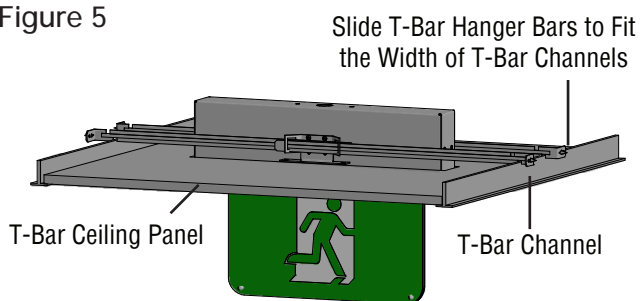


Figure 6

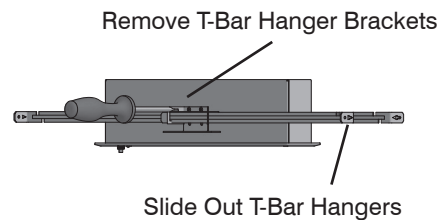


Figure 8

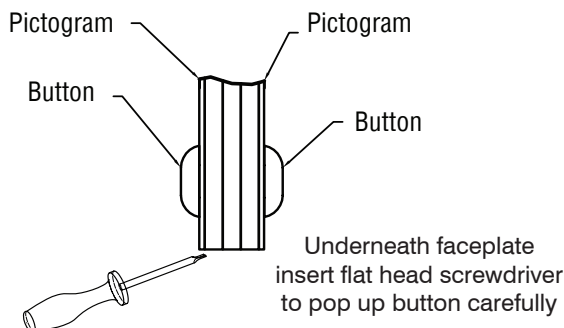
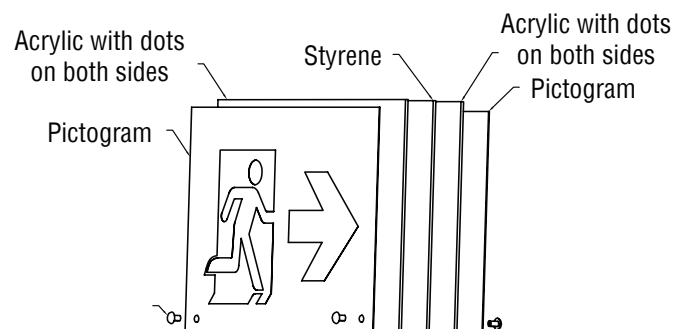


Figure 7



## TROUBLESHOOTING

### EXIT SIGN DOES NOT COME ON AT ALL

1. Check AC supply - be sure unit has 24 hour AC supply (unswitched).
2. AC supply is OK and indicator light is out, replace PC Board Assembly.
3. This could be the result of a switched AC supply to the unit (which has been turned off at some point).

## TROUBLESHOOTING

### IF THE EMERGENCY LIGHTING FIXTURE IS EXPERIENCING ONE OF THE FOLLOWING PROBLEMS:

- The LED indicator is off or displaying the wrong status.
- The LED strip is on during AC power, but there is no emergency backup function.
- The LED strip is on, but the battery is not charging (battery voltage is low).

### PERFORM A HARD RESET ON THE BATTERY AND CHARGER BOARD Steps to Perform a Hard Reset:

1. **Disconnect AC Power:** Turn off the AC power supply to the emergency lighting fixture.
2. **Unplug the Battery:** Safely disconnect the battery pack from the charger board.
3. **Wait for 10 Seconds:** Allow the system to completely discharge by waiting a minimum of 10 seconds.
4. **Reconnect Power:** Plug the battery pack back into the charger board.
5. **Restore the AC power** to the fixture.
6. **Verify the Reset:**
  - I. Check that the LED indicator is functioning correctly.
  - II. Ensure that the battery is charging and the emergency backup function is operational.

**NOTE:** If the issue persists after performing the hard reset, further inspection of the fixture or professional assistance may be required.

## SAVE THESE INSTRUCTIONS