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## 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., 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!**

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### INSTALLATION

#### INTERNAL HARDWIRED EXIT SIGN MOUNT:

1. Ensure that the circuit(s) supplying power to the exit sign are not energized during the LUMINI installation.
2. Open exit sign and ensure that the cavity of the exit is clear of obstructions (*Figure 2*).
3. Test fit the LUMINI retrofit kit into the sign. The entire LED assembly should be clear of any nuts, bolts or built in studs. Typical placement of the LED assembly is along the bottom of the exit sign however, each installation is unique and may require an alternate mounting location.
4. Ensure that the mounting location within the sign is clean and dry.
5. Remove the backing from the double sided tape on the back of the LED assembly (*Figure 2*).
6. Place the LED assembly into the sign and firmly press into place.
7. Route AC input wires through the exit sign and into the electrical junction box associated with the exit sign.
8. Connect the AC supply per diagram provided (*Figure 3*). **Insulate unused wire! CAUTION! - Failure to insulate unused wire may result in a shock hazard or unsafe condition as well as equipment failure.**
9. Secure the wiring in place.
10. Replace the exit faceplate(s) and/or backplate and secure exit components as necessary.
11. Energize the circuit(s) supplying power to the exit sign.

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#### INTERNAL SOCKET ADAPTOR EXIT SIGN MOUNT:

1. Follow steps 1 to 6 from the hardwired installation listed above.
2. Remove the appropriate lamp(s) from the exit sign.
3. Select the LUMINI AC adaptor to match the lamp sockets installed inside the exit sign. There are four base types available: medium, intermediate, candelabra and DC bayonet.
4. Screw the adaptor into the lamp socket(s) until firmly in place.
5. Connect the faston connectors on the end of the adaptor wire leads to the faston connectors on the end of the capacitor assembly. Ensure that the connectors are pushed together completely.
6. Follow steps 9 to 11 from the hardwired installation listed above.

Figure 1

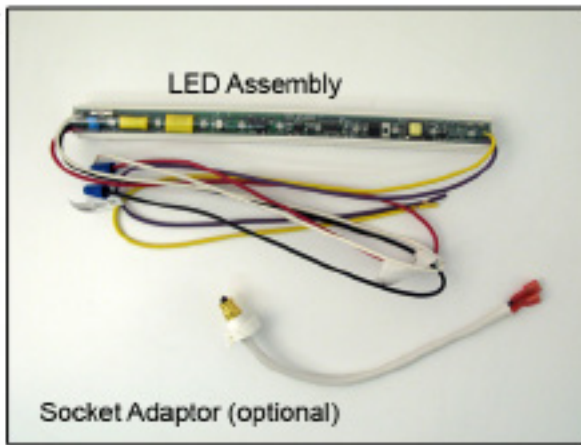


Figure 2

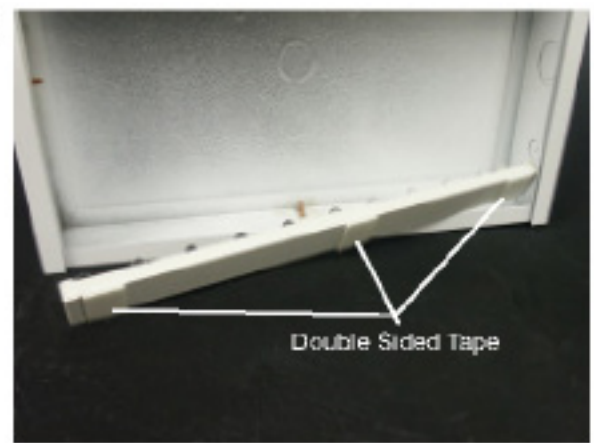
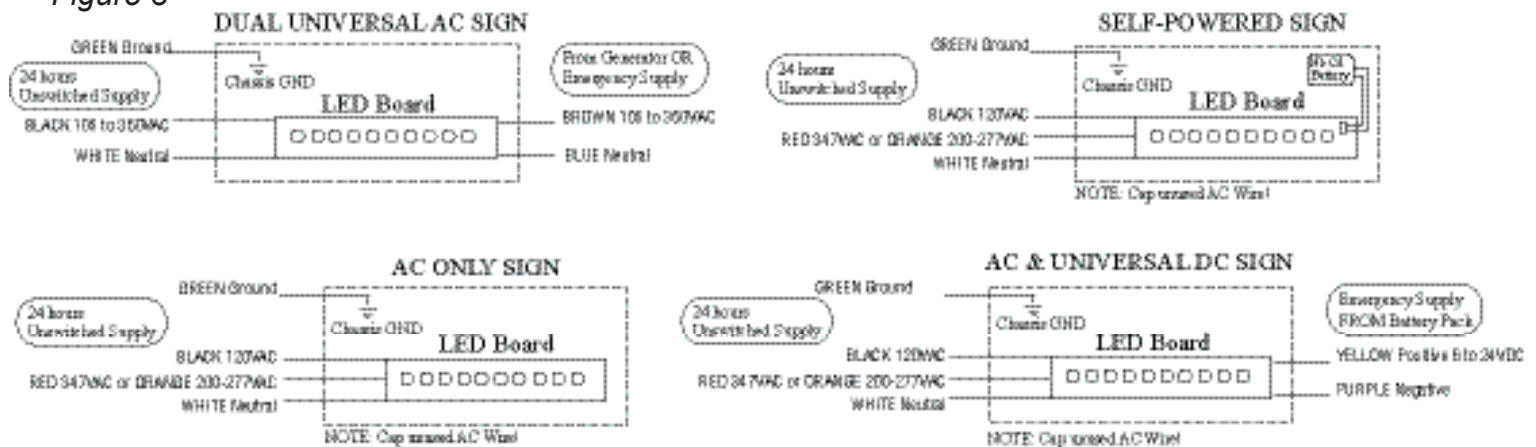


Figure 3



## MAINTENANCE

**CAUTION:** 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.

## TROUBLESHOOTING

### EXIT SIGN DOES NOT COME ON AT ALL

1. Check AC supply and all AC connections - be sure exit has 24 hour AC supply (unswitched).
2. Check supply voltage and AC connections. The AC supply must be at least 80% of nominal (96V on a 120V line) for equipment to function normally. At lower voltages the LEDs may begin to glow dimly until the source voltage drops below the full "turn-on/off" point.  
NOTE: This condition may also be caused by incorrectly connecting a 120 Volt supply line to the 347 Volt lead.
3. AC supply is OK; replace LED circuit board assembly.

## SAVE THESE INSTRUCTIONS