LMCE Series - LED Steel Bilingual Sign

AC/DC & Self Powered

IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Do not use outdoors.
2. Do not let power supply cords touch hot surfaces.
3. Do not mount near gas or electric heaters.
4. Use caution when handling batteries. Avoid possible shorting.
5. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
6. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
7. Do not use this equipment for other than intended use.
8. All servicing should be performed by qualified service personnel.

SAVE THESE INSTRUCTIONS

Installation Instructions

1. Turn off AC power.
2. Route AC unswitched circuit of rated voltage into electrical box and leave 15 cm (6”) of wire length.
3. Remove exit face. To open the sign, slide out the exit face and the diffuser panel (see fig. 1).
4. Remove the appropriate chevron(s) on the exit sign by supporting the exit face either side of the chevron and knock out carefully with a screwdriver from the rear (see fig. 2).
5. Follow the proper mounting procedure an continue to step 6.

Wall Mount

a. Knock out the proper hole pattern in the back plate to mount to the standard junction box (including the large wire hole); place a support on either side of the hole to be removed and knock out with a screwdriver.

b. Feed AC supply leads through the center hole.

c. Mount the exit sign securely to the junction box using the junction box screws (see fig. 3).

Canopy - Ceiling mount

a. Determine desired mounting location of sign making sure backplate is mounted so exit face will be facing in desired direction

b. Remove the proper knockouts in the frame for the canopies with a hammer and screwdriver.

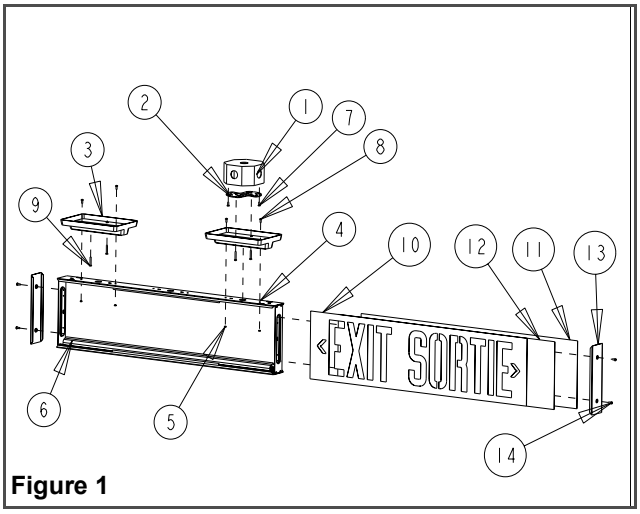

Figure 1

Part List

1. Junction box (not provided)
2. Spider Plate
3. Canopy
4. Frame
5. Kep Nuts (4)
6. LED Strip
7. Junction box screws (not provided)
8. Screws 8-32 x 3/8” (4)
9. Screws 8-32 x 1 1/2” (4)
10. Exit face
11. Back Plate (or second exit face)
12. Diffuser Panel
13. End Cap (2)
14. End cap screws (4)

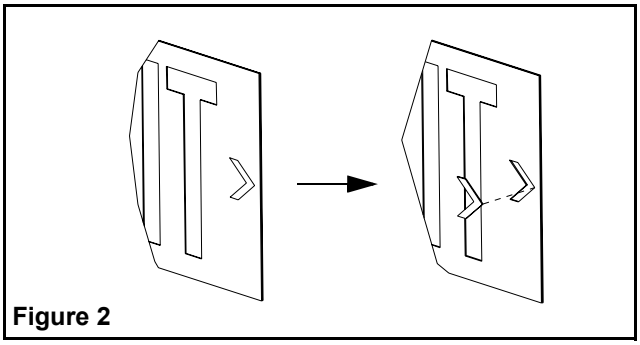

Figure 2

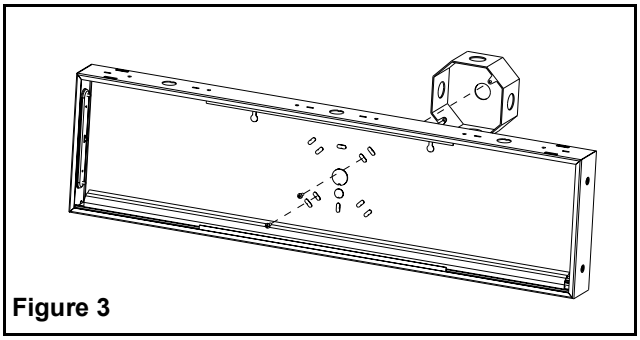

Figure 3

c. Route AC wires from exit through large knockout.
d. Fasten the spider plate to the junction box using the junction box screws. Align the two threaded holes in the spider plate to line up with the canopy holes for correct mounting position.
e. Fasten the canopy to the exit using #8-32 x 3/8" screws and kep nuts provided (see fig. 4).
f. Fasten the canopy-exit assembly to the spider plate using the #8-32 x 1 1/2" screws provided.

6. Make the proper connections. On the standard universal model, our unit accepts an input voltage of 120 VAC to 347 VAC (see fig. 5).
120 VAC TO 347 VAC — Connect the purple (120 VAC TO 347 VAC) and white (Neutral) leads to the building utility.
***Note: Colors may be different for special voltages.**
7. Feed excess wire into the junction box.
8. Connect the green ground wire to the service ground or the ground connection in the junction box.
9. When ready to energize AC, plug in polarized battery connector to circuit board (self-powed models). Connect battery and turn on AC power within 6 hours.
10. Slide the diffuser panel, exit face and back plate, if removed, into the housing . Install end caps.
11. Energize AC power.

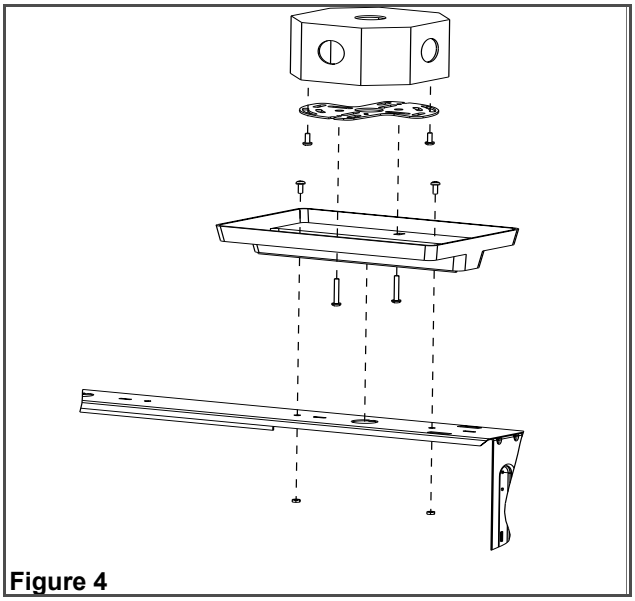

Figure 4

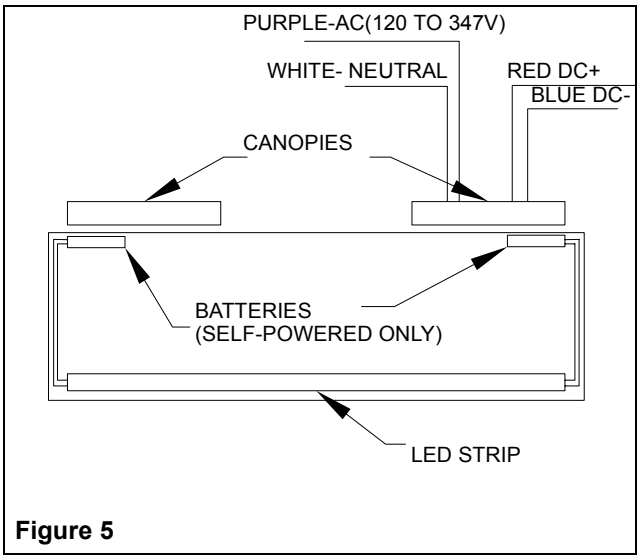

Figure 5

AC/DC Models

Refer to fig. 5 for AC & DC wiring.

For DC portion — Wire the Red lead (+) to the positive DC input voltage and the Blue lead (-) to the negative DC input voltage. Note: DC input voltage range is 6 volts to 24 volts.

Testing (self-powered models)

Operate test switchs by pressing both buttons (located on the sides on the unit), LED strips will brighten. Release test switch, LED strips will dim and pilot light will be illuminated. If LED strips appears dim or does not light on test, leave AC connected for at least 15 minutes and re-test. If still incorrect, contact a serviceman or the factory for assistance.

Maintenance

None required. Unit should be tested monthly in accordance with safety codes and local codes. If AC supply to the unit is to be disconnected for 2 months or more, the battery must be disconnected (self-powered models only).