INSTALLATION INSTRUCTIONS for Lithonia Lighting WLTC models

WET LOCATION LED COMBO EXIT & EMERGENCY LIGHT

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

WARNING: RISK OF ELECTRIC SHOCK- NEVER CONNECT TO, DISCONNECT FROM, OR SERVICE WHILE EQUIPMENT IS ENERGIZED.

WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN DEATH, SERIOUS INJURY OR SIGNIFICANT PROPERTY DAMAGE - For your protection, read and follow these warnings and instructions carefully before installing or maintaining this equipment. These instructions do not attempt to cover all installation and maintenance situations. If you do not understand these instructions or additional information is required, contact Lithonia Lighting or your local Lithonia Lighting distributor.
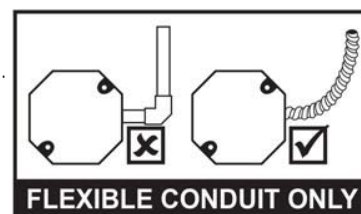
- All service shall be performed by qualified service personnel. This product must be installed and maintained in accordance with the applicable installation codes by a person familiar with the construction operation of the product and the hazards involved.

- This product must be installed in accordance with the applicable installation codes and ordinances.

- Before wiring to power supply, turn off electricity at fuse or circuit breaker.

- Disconnect AC power and unplug battery before servicing.

- Consult your local building code for approved wiring and installation.

- UL listed for wet locations (-20°C-50°C)

- Do not let power supply cord touch hot surfaces.

- Do not mount near gas or electric heater.

- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

- Do not use this equipment for other than intended use.

- The AC voltage rating of this equipment is specified on the product label. Do not connect equipment to any other voltage.

NOTE: Max mounting height is 20 ft to achieve at least 1 ft-candle of illuminance in emergency mode.

CONDUIT ENTRY

1. Drill a ¾" hole through the desired conduit entry knock out located on the top or side of the frame of the sign.
2. Route the AC input conduit into housing.
3. All conduit connections must use UL LISTED and SUITABLE FOR WET LOCATION parts.
4. To finish installation of fixture, reference Wall, Ceiling or End Mount instructions.

FLEXIBLE CONDUIT ONLY
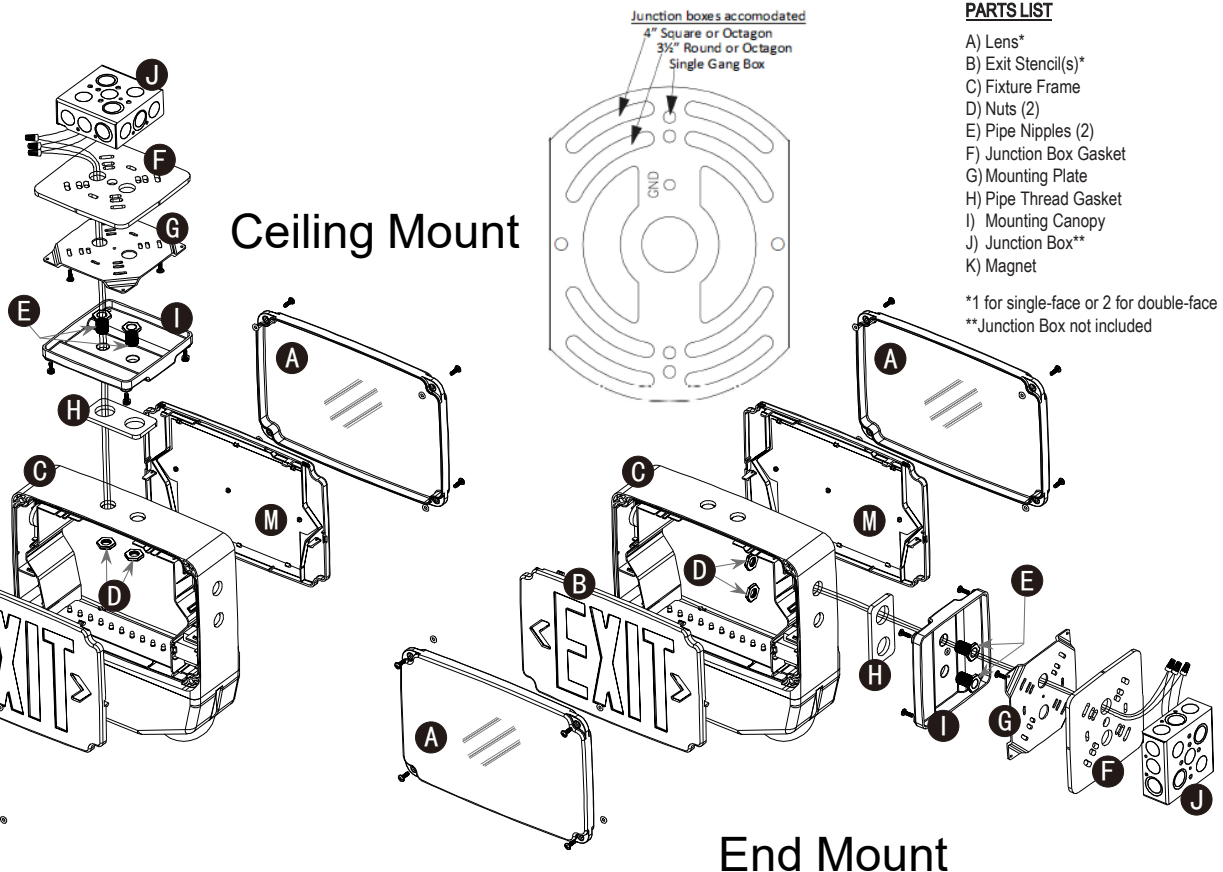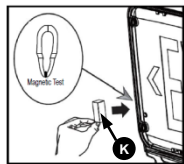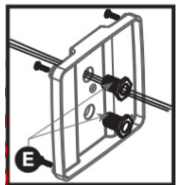
WALL MOUNT INSTALLATION

1. Use flat head screwdriver to loosen the screws on the **LENSES (A).**
2. Remove lens, from sign, set aside.
3. Remove **EXIT STENCIL (B)** from **FIXTURE FRAME (C)**, set aside.
4. Drill or knockout appropriate knockouts on **BACK PLATE (M)** to fit junction box mounting points.
5. Drill or knockout holes in back plate for fixture supply wire leads.
6. Remove backing from self-adhesive **JUNCTION BOX GASKET (F)** and adhere to back plate.
7. Route fixture input wires through center hole of the back plate and make wiring connection. For 120V, use black and white wires and for 277V, use red and white wires. **WARNING**: Properly insulate the unused lead with a wire nut (provided) or other approved means.
8. Secure back plate to **JUNCTION BOX (J)** (junction box and hardware not included).
9. Remove proper chevron(s) from the face plate as required. When removing chevrons it may be helpful to remove the color diffuser panel to allow easier access to the chevrons. If removing color diffuser panel it is important to remember to reinstall the diffuser panel once chevron(s) have been removed.
10. Connect battery to lamp board (see wiring diagrams on page 3).
11. Secure face plate and back plate to the fixture frame.
12. Secure lens to fixture and securely torque screws.
13. Apply continuous AC power. Unit can be tested by holding the magnet (provided) near the LED indicator (where it's marked as "Magnetic Test Switch").
14. Magnet needs to be retained by building owner (or maintenance personnel) to perform monthly/annual inspections.

SAVE THESE INSTRUCTIONS
and deliver to owner after installation

CEILING OR END MOUNT INSTALLATION

1. Use flat head screwdriver to loosen the screws on the **LENSES (A)**.

2. Remove lens, from sign, set aside.

3. Remove **EXIT STENCIL (B)** from **FIXTURE FRAME (C)**, set aside.

4. Drill ¾" holes through the desired mounting knockouts located on the fixture frame. For ceiling mount, knockouts will be located on the top of the fixture frame. For end mount, knockouts will be located on the side of the fixture frame.

5. Using provided hardware, thread **NUTS (D)** onto **PIPE NIPPLES (E)**. Slide pipe nipples through canopy holes.

6. Remove backing from self adhesive **JUNCTION BOX GASKET (F)** and adhere to back of **MOUNTING PLATE (G)**. Remove backing from self adhesive **PIPE THREAD GASKET (H)** and adhere to front of **MOUNTING CANOPY (I)**.

7. Place screws (provided) in holes on the mounting canopy.

8. Route fixture input wires through knockout in fixture frame, pipe nut and metal mounting plate.

9. Make wiring connection. For 120V, use black and white wires and for 277V, use red and white wires. **WARNING:** Properly insulate the unused lead with a wire nut (provided) or other approved means.

10. Push wire connections into the **J-BOX (J)** (junction box not included). Secure mounting plate to junction box (hardware not included).

11. Secure the canopy to the steel mounting plate with screws installed in step 7.

12. Place pipe nipple through the mounting hole of the fixture frame until the gasket is touching the frame. Thread a second nut onto the pipe nipple on the inside of the fixture frame to lock the canopy into place. Once canopy is locked into position there will not be any side-to-side movement of the canopy.

13. Remove proper chevron(s) as required. When removing chevrons it may be helpful to remove the color diffuser panel to allow easier access to the chevrons. If removing color diffuser panel it is important to remember to reinstall the diffuser panel once chevron(s) have been removed.

14. Connect battery to lamp board (see wiring diagrams on page 3).

15. Secure face plate(s) to the fixture frame.

16. Secure lens to fixture and securely torque screws.

17. Apply continuous AC power. Unit can be tested by holding the **MAGNET (K)** (provided) near the LED indicator (where it's marked as "Magnetic Test Switch").

18. Magnet needs to be retained by building owner (or maintenance personnel) to perform monthly/annual inspections.

Junction boxes accomodated
4" Square or Octagon
3½" Round or Octagon
Single Gang Box

Ceiling Mount

End Mount

PARTS LIST

A) Lens*
B) Exit Stencil(s)*
C) Fixture Frame
D) Nuts (2)
E) Pipe Nipples (2)
F) Junction Box Gasket
G) Mounting Plate
H) Pipe Thread Gasket
I) Mounting Canopy
J) Junction Box**
K) Magnet

*1 for single-face or 2 for double-face
**Junction Box not included

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OPERATION

1. Apply AC power to the unit. The LED indicator will be GREEN.

2. After the battery has been left to charge for 2 hours, test the unit using the magnetic test switch. The LED indicator turns OFF, the LED board stays ON and the lampheads should turn ON at this time.

3. When the magnet is removed, the LED indicator turns back to GREEN, the LED board stays ON and the lampheads should turn OFF at this time.

LED STATUS INDICATOR KEY and TROUBLESHOOTING:

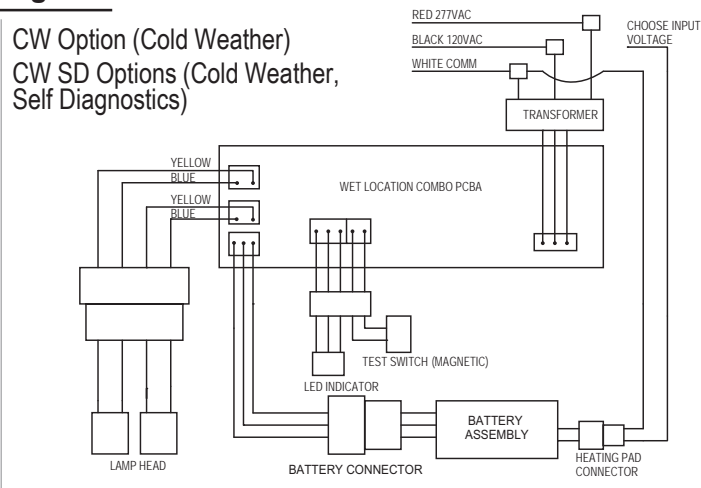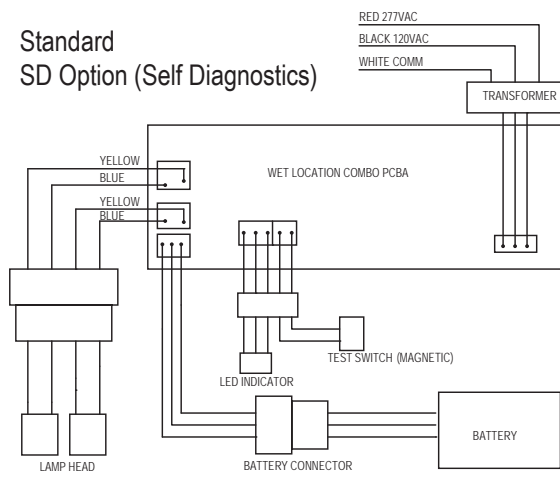| Visual Status	Indication	Troubleshooting/Actions to Take
RED	1. Battery connection is not made. 2. Battery has been diagnosed as dead or defective after 24 hours of continuous charging with AC power supplied.	1. Make connection; or if battery is connected, disconnect battery for eight seconds and then reconnect. 2. Replace the battery.
GREEN	Battery is connected, AC power has been supplied and fixture is in charging state.	This is the normal state. No action required.
UNLIT	AC power has not been supplied.	Supply AC power.

MAINTENANCE

Caution: Always turn off AC power to the equipment before servicing. Servicing should be performed only by a qualified service technician. Use only MANUFACTURER supplied replacement parts.

BATTERY: The battery supplied requires no maintenance. However, it should be tested periodically and replaced when it no longer operates the connected sign for the duration of a 30-second or 90-minute test.

TESTING:

National Electric Code (NEC) and NFPA 101 (current Life Safety code) requires that routine tests need to be performed as listed:
Once every month, the unit needs to be tested for duration of 30 seconds. Push in and hold the test switch to perform this test.
Once every 12 months, a full 90 minute (per UL requirements) test needs to be performed on the unit. Disconnect power to the unit and leave it in the emergency mode. The lamps should stay ON for at least 90 minutes. Written records of the testing are to be kept for examination by the authority having jurisdiction.

Wiring Diagrams

Standard
SD Option (Self Diagnostics)

CW Option (Cold Weather)
CW SD Options (Cold Weather, Self Diagnostics)

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