



INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

LEHC HAZARDOUS LOCATION LIGHTING FIXTURES

WARNING!

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. Fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING:

- Make certain power is OFF before installing or maintaining fixture.
- Suitable for non-insulated surface and frame.
- Do not cover fixture with insulation liner or similar material.
- Do not install on unstable, loose, or breakable surfaces.

CEILING MOUNTING

1. Mark the mounting surface for mounting hardware locations and drill two holes (5/16") in the locations. Recommended distance is 5-11/16". (Fig.1)
2. Open the upper cover of the luminaire using an Allen key for wiring. (Fig.2)
3. Use appropriate UL-rated wire as required by code to make electrical splices. Follow appropriate mounting and wiring instructions per code, see wiring diagram (Pg.3).
4. Match the luminaire holes with the marked holes in the mounting surface, utilize M8 expanded screws (not included in the package) and secure the luminaire to the ceiling. (Fig.3)
5. Installation completed. (Fig.4)

Figure 1

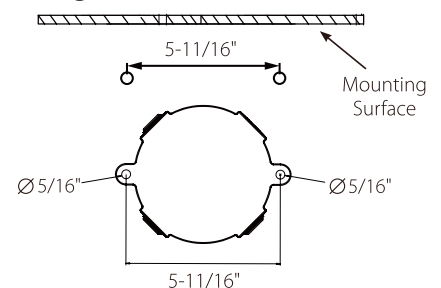


Figure 2

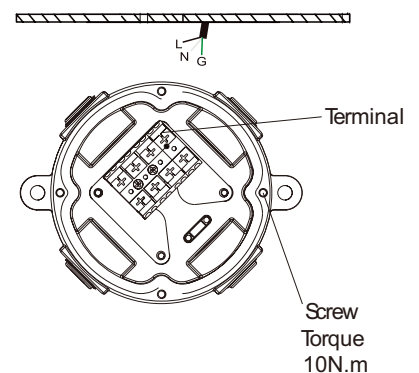


Figure 3

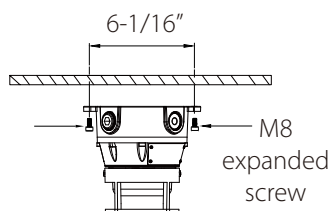
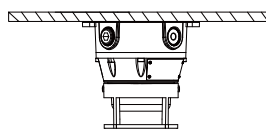
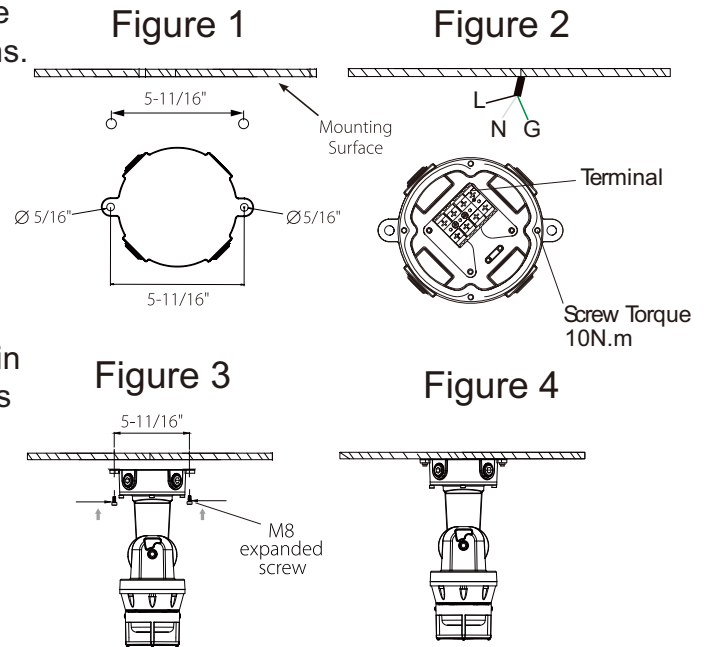


Figure 4



ROTATING MOUNT

1. Mark the mounting surface for mounting hardware locations and drill two holes (5/16") in the locations. Recommended distance is 5-11/16". (Fig.1)
2. Open the upper cover of the luminaire using an Allen key for wiring. (Fig. 2)
3. Use appropriate UL-rated wire as required by code to make electrical splices. Follow appropriate mounting and wiring instructions per code, see wiring diagram (Pg.3).
4. Match the luminaire holes with the marked holes in the mounting surface, utilize M8 expanded screws (not included in the package) and secure the luminaire to the ceiling. (Fig.3)
5. Installation completed. (Fig.4)



POLE MOUNTING

1. Get the fixture and a 3/4" NPT Pole (not included) ready (Fig.1).
2. Fix the 3/4" NPT Pole to the Ceiling Adaptor (Fig.2). Torque of 3/4" NPT: 525N/M max.
3. Use an allen key to open the upper cover of the fixture by loosening the four setting screws in the cover sides to make electrical splices to fixture leads (screw torque 10N/M) (Fig.3) . Follow appropriate mounting and wiring instructions per code, see wiring diagram (Pg.3).
4. Install the fixture to the pole and tighten it.
5. Installation completed (Fig.4).

Figure 1

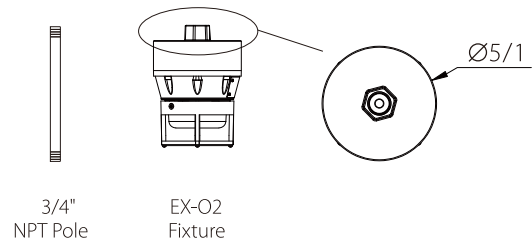


Figure 2

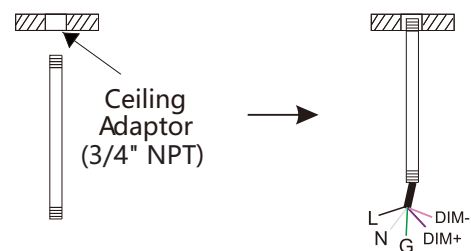


Figure 3

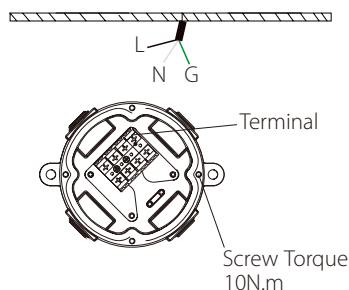
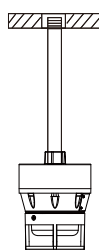


Figure 4



WALL MOUNTING (90 Degree)

1. Drill two holes (5/16" diameters) on the wall for expanded screws and install M8 expanded screws (not included in the package) to the wall. Recommended distance between the two holes is 5-11/16" (Fig.1).
2. Use an allen key to open the upper cover of the fixture by loosening the four setting screws in the cover sides (screw torque 10N/M) to make electrical splices to fixture leads (Fig. 2). Follow appropriate mounting and wiring instructions per code, see wiring diagram (Pg.3).
3. Match the luminaire to the bolt and tighten the screw. Installation completed. (Fig. 3).

Figure 1

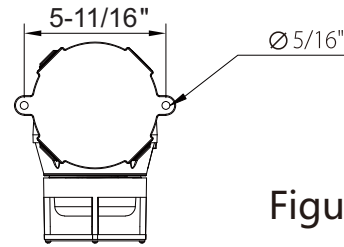


Figure 2

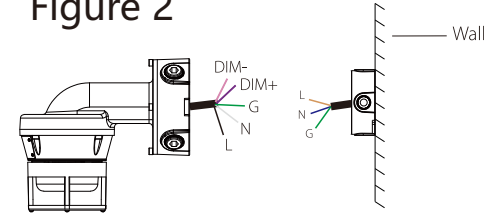
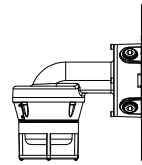
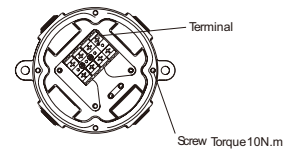


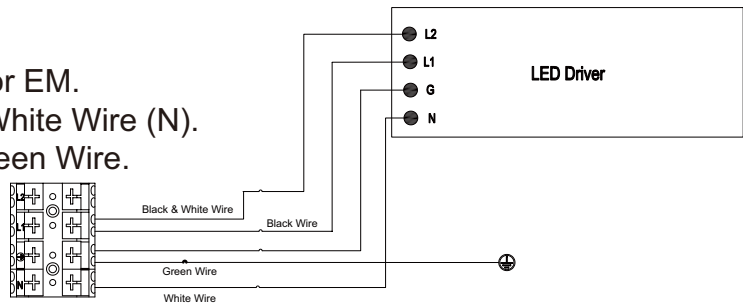
Figure 3



0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V through 277V, 50/60 Hz.

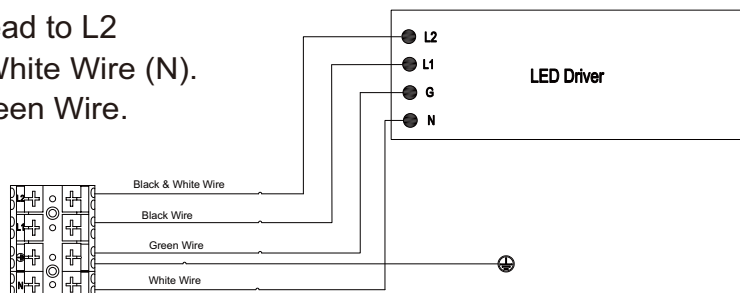
1. Connect the Line Supply Lead to L1.
Keep L2 unconnected. L2 is reserved for EM.
2. Connect the Common Supply Lead to White Wire (N).
3. Connect the Ground Supply Lead to Green Wire.



0-10V DIMMABLE WIRING (EM)

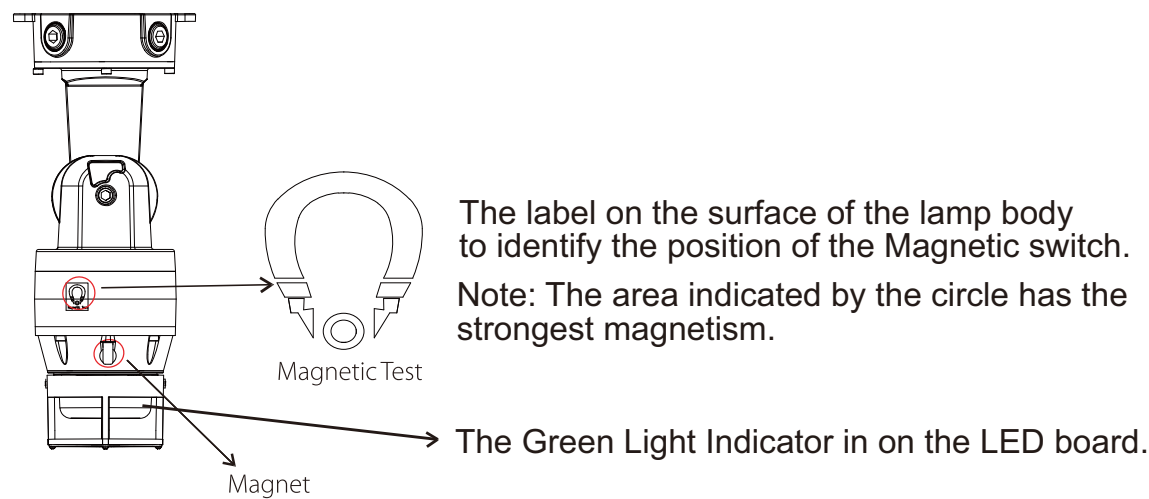
Universal voltage driver permits operation at 120V through 277V, 50/60 Hz.

1. Connect the Line Supply Lead to L1.
2. Connect the Emergency Live Supply Lead to L2
3. Connect the Common Supply Lead to White Wire (N).
4. Connect the Ground Supply Lead to Green Wire.



MAGNETICALLY CONTROLLED SWITCH

1. The Magnetically Controlled Test Switch is designed to test emergency functions. When testing is not required, the magnet is adsorbed in the fixed position.



Function Table of Magnetically Controlled Test Switch

Mode	Magnet Movement	Indicator Status	Luminaire Reaction
AC Mode	NA	Green Light on	Battery Charging
Testing EM Function	Place Magnet on Magnetic Test Spot for 2 seconds	Green Light on and off for 1~2S	Enter EM mode for 2S, luminaire dims to 8W, then exit automatically
Emergency Mode	NA	Green Light on and off every 2S	Luminaire dims to 8W (around 800lm)
Turn off EM Function	Place Magnet on Magnetic Test Spot for 2 seconds	Green Light off	OFF

Charging Time: 24 hours
Emergency Wattage: 8W
Emergency Duration: 90mins
Luminaire Start-up Time: 1.8S

Luminaire will automatically enter Testing EM Function Mode monthly and yearly.

SERVICING

To avoid personal injury, disconnect power to the fixture and allow it to cool down before performing maintenance.

Perform visual, electrical, and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks should be made at least once a year.

The external glass should be cleaned periodically to ensure continued performance. Clean the glass with a clean, damp, non-abrasive, lint-free cloth. If this is not sufficient, use a mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline, or acid cleaner as damage may occur.

Inspect the cooling fins on the fixture to ensure that they are free of any contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed. Mechanically check to make sure all parts are properly assembled.

Electrically check to make sure that all connections are clean and tight.