



# INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

## LEXFG2 LED EXPLOSION PROOF LIGHTING FIXTURES

### WARNING!

1. TO PREVENT THE RISK OF ELECTRICAL SHOCK DEACTIVATE/DISCONNECT THE POWER SUPPLY BEFORE INSTALLING THE FIXTURE.
2. THE DRIVER IN THIS FIXTURE IS DESIGNED TO OPERATE ON GROUNDED NEUTRAL SYSTEMS ONLY.
3. THIS FIXTURE SHOULD BE INSTALLED BY QUALIFIED TECHNICIANS IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY LOCAL REQUIREMENTS.

### Operational Data

1. Operate this fixture at its rated voltage. Do not install where the marked operating temperature exceeds the ignition temperature of the hazardous atmospheres. See fixture label for data.
2. This fixture is intended to be connected to a properly installed and grounded UL listed junction box.

**Note:** 3' wire whip comes out of the top hub

### General Wiring Diagram

**CAUTION:** Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

Connecting panels to the AC source supply:

All units must be individually connected to the AC supply.

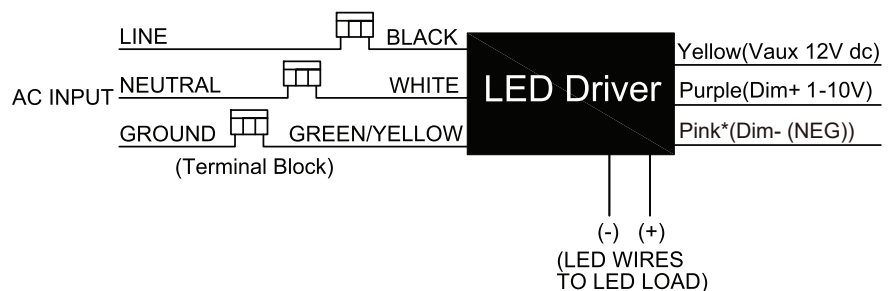
**Black = Line**

**White = Neutral**

**Green = Ground**

### Housing

- Heavy-duty anodized die cast aluminum
- Long lasting and durable powder coat finish
- Over-voltage, and over-heat protection
- Exposed fasteners with quality stainless steel
- Excellent anti-corrosive property



## **Installation and Operation**

### **Electrical Connection:**

1. Loosen the ten M6 hexagon bolts on the driver housing Cover.
2. The entry hole of the driver housing is 3/4" NPT. Attach to suitable conduit.
3. Run the wire from outside through the conduit and the entry hole of driver housing, and then connect it to the Terminal Block.
4. Re-attach the housing cover and tighten it with the ten M6 hexagon bolts at torque value 7 N-m.

## **Product Size**

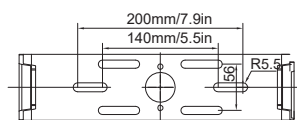
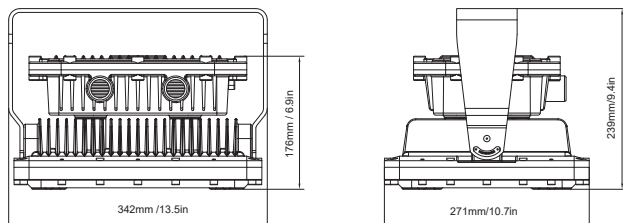
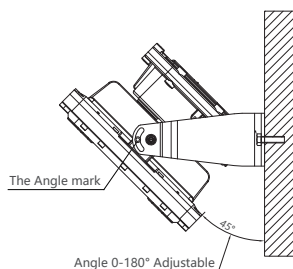


Fig. 1

## **Wall/Ceiling/Floor Mounting Bracket**

5. The mounting bracket is for the use of wall/-ceiling/floor mounting.
6. Position the mounting bracket and attach it with two pairs of M6 and M8 hexagon bolts, and spring lock washers.
7. Secure the wall/ceiling/floor mounting bracket to the structure. (Figure 1)
8. The fixture can be adjusted up and down by 45° on wall/floor position only. (Figure 2)
9. The fixture can be adjusted facing down 90° from vertical = Lens horizontal facing down on ceiling position. (Figure 3)

Wall Type:



Floor Type:

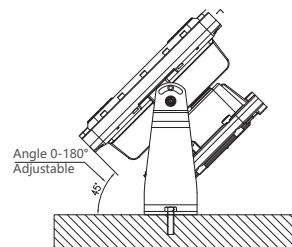


Fig. 2

Ceiling Type:

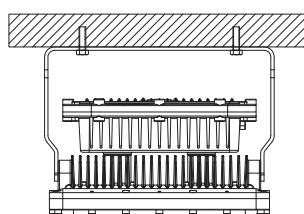


Fig. 3

Pendent Type:

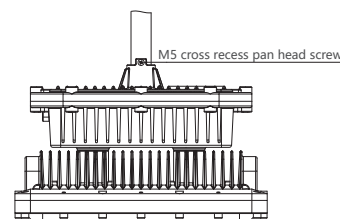


Fig. 4

## **Pendent Type**

10. Attach 3/4" size pipe with M5 screws. (Figure 4)

## **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.