

EPLX-TFM-100W-RD2-LED-TRC-100 Manual

100W Explosion Proof LED Light Fixture

General Information

EPLX-TFM-100W-RD2-LED-TRC-100 Luminaires are suitable for use in the following hazardous (classified) areas as defined by the National Electrical Code (NEC) and Canadian Electrical Code (CEC):

- Class I, Division 1, Groups B, C, D
- Class II, Division 1, Groups E, F, G
- Wet Locations (NRTL Certified to UL 1598)

Refer to the luminaire nameplate for specific classification information, maximum ambient temperature suitability and corresponding operating temperature (T-Code).

EPLX-TFM-100W-RD2-LED-TRC-100 LED Luminaire is designed for using indoors and outdoors.

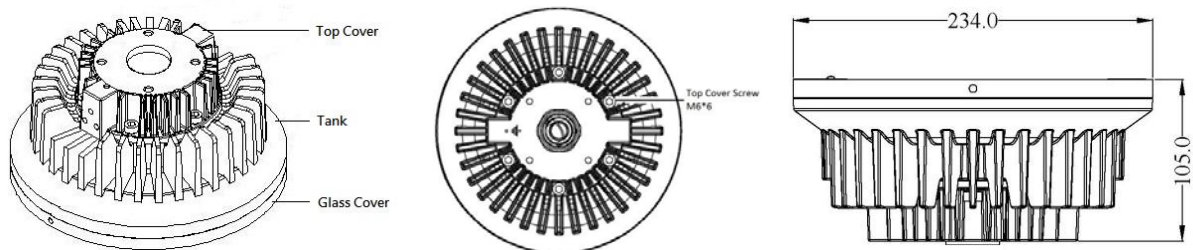
Voltage Options: 120/208/220/240 Vac 50/60 Hz
 Ambient Temperature Range: -60°C to +100°C



⚠ WARNING

- ▶ To avoid the risk of fire, explosion or electric shock, this product should be installed, inspected and maintained by a qualified electrician only, in accordance with all applicable codes and regulations.
- ▶ To avoid electric shock:
 - ✓ Be certain electrical power is OFF before and during installation and maintenance.
 - ✓ Luminaire must be supplied by a wiring system with an equipment grounding conductor.
- ▶ To avoid explosion:
 - ✓ Make sure that the supply voltage is the same as the luminaire voltage.
 - ✓ Do not install where the marked operating temperatures exceed the ignition temperature of the hazardous atmosphere.
 - ✓ Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
 - ✓ All gasket seals must be clean and undamaged.
 - ✓ Before dismounting, electrical power to the luminaire must be turned off. Keep tightly closed when in operation.
- ▶ To avoid burning hands, ensure the luminaire is cool when performing maintenance.

Dimensions (All Dimensions in mm)



Technical Data

Item	Description
Voltage Options	120V AC, 208V AC, 220V AC, 240V AC
Ambient Temperature Range	-60°C to ~ +100°C
Material Enclosure Glass	Copper free cast aluminum Hardened borosilicate glass
LED Service Life	60,000+ hrs



Mounting

This LED light fixture comes with a sturdy, non-sparking aluminum triangle mount for easy, convenient transport around the hazardous area. The angle of the lamp can be easily adjusted up or down 90 degrees and locked into position simply by loosening the two hand screws located on either side of the light head, and tightening them back down once the desired angle is reached.

Wiring

This LED light fixture is equipped with 100' of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for quick and easy connection to explosion proof outlets. Cord cap options are 5-15, 5-20, or 6-20 and is specified when ordering. Connect your explosion proof cord cap to a compatible explosion proof outlet outputting the correct voltage for your luminaire.

Important!: Check the voltage on the unit nameplate and be sure you are using the correct voltage outlet! This unit is not multi-voltage capable and must be used with the voltage it is manufactured for or damage will occur.

Maintenance

- ▶ To avoid personal injury, disconnect power to the light and allow the unit 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 be made at least once a year. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B: Recommended Practice for Electrical Equipment Maintenance.
- ▶ The lens should be cleaned periodically to ensure continued lighting performance. Clean the lens 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 luminaire to ensure that they are free of any contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
- ▶ Electrically check to make sure that all connections are clean and tight.
- ▶ Mechanically check that all parts are properly assembled.

Transport, Storage and Disposal

- ▶ Transport and storage is only allowed in the original packaging, on the way pointed out on the carton box.
- ▶ Transport – Shock-free in its original carton, do not drop, and handle carefully.
- ▶ Store – Store in a dry place in its original packaging.
- ▶ Disposal – Ensure environmentally friendly disposal of all components according to the legal regulations.