

## EPLX-HB-120W-RD3-LED-TRC-xxxV-xxK Manual

### Explosion Proof High Bay AC LED Light Fixture

#### 1. General Information

EPLX-HB-120W-RD3-LED-TRC 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 2, Groups A, B, C, D
- Class II, Division 2, Groups F, G
- Wet Locations (UL 1598)

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



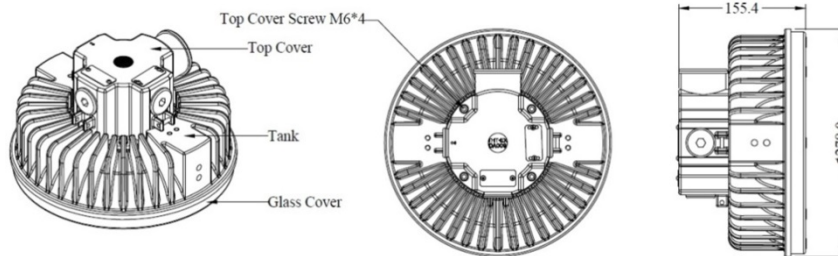
EPLX-HB-120W-RD3-LED-TRC LED Luminaire is designed for using indoors and outdoors.

Voltage Options: 120/208/220/240/277 Vac 50/60 Hz  
Ambient Temperature Range: -40°C - +40°C

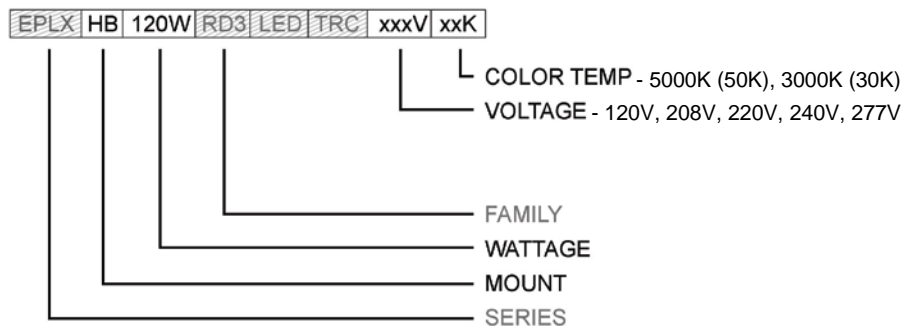
#### ⚠WARNING

- ▶ 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.

#### 2. Dimensions (All Dimensions in mm)

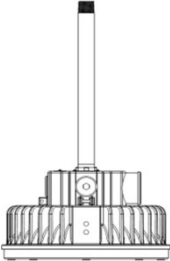


#### 3. Model Code



•• Mount, Wattage, Voltage and Color Temp are variable.

## 4. Technical Data

| Item                           | Description  |
|--------------------------------|--|
| Voltage Options                | 120/208/220/240/277 Vac 50/60 Hz   |
| Ambient Temperature Range      | -40°C ~ +40°C  |
| Material<br>Enclosure<br>Glass | Aluminum alloy<br>Heat and impact resistant tempered glass                         |
| LED Service Life               | 60,000+ hrs  |
| Entrance Hole                  | 4*M25 threaded holes   |
| Mounting Type / Weight         | Pendant mounted via a 3/4" hub on the back side of the fixture                     |
|                                |  |
|                                | 24.25 lbs  |

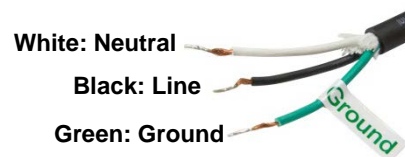
## 5. Assembly and Installation

### 5.1 Electrical Connection

- ☞ Loosen the 4\*M6 screws of Top Cover of the luminaire (Tank).
- ☞ Choose one M25 entry hole of Top Cover intended for installation then loosen the attached Plug by proper hex-wrench. The thread of each entry hole of Top Cover is M25. Attach the chosen entry hole to suitable conduit
- ☞ Insert the suitable field wiring by AHJ from outside through the conduit and the entry hole of the Top Cover.
- ☞ Introduce the wires of the luminaire with wires of field wiring by attached closed-end-terminals as following (see picture)

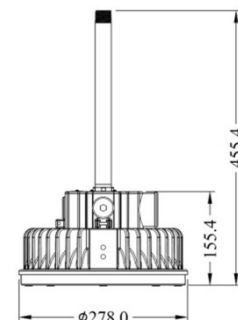
**White – wire connects to Neutral**  
**Red/Black – wire connects to Line**  
**Green – wire connects to Ground**

- ☞ Re-attach the Top Cover to Tank and tighten it by respective 4\*M6 screws with torque value 24.5 kg-cm.
- ☞ Check the tightness of conduit and Top Cover.



### 5.2 Pendant Mounting

- ☞ The mounting type is for the use of straight electrical tube mounting.
- ☞ Tube mounting thread is 1-1/2 NPT for connecting with conduit in the field by AHJ.
- ☞ Thread the tube mounting on conduit and torque until wrench-tight.
- ☞ Tighten tube locking set screw to conduit, 1.0 N-m. (Figure 1)



### 5.3 Putting into Service

Before putting into operation, it is necessary to ensure that:

- ☞ The light fixture is correctly installed.
- ☞ The connections have been properly made.
- ☞ The field wiring has been installed correctly by an Authority Having Jurisdiction (AHJ).

## 6. 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.

## 7. 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.