

EPLX-HB-40W-SQ2-LED-TRC Manual

40W Explosion Proof Low Bay AC LED Light Fixture

1. General Information

EPLX-HB-40W-SQ2-LED-TRC Luminaires are suitable for use in hazardous (classified) areas as defined by the National Electrical Code (NEC) and Canadian Electrical Code (CEC). Refer to the luminaire nameplate for specific classification information, maximum ambient temperature suitability and corresponding operating temperature (T-Code).



EPLX-HB-40W-SQ2-LED-TRC LED Luminaire is designed for using indoors and outdoors.

Voltage Options: 120/208/220/240/277VAC 50/60 Hz
 or 12V/24V DC depending on model chosen.
 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.

2. Dimensions (All Dimensions in mm)

<p style="text-align: center;">Dimension in Millimeters</p>	<h4 style="margin: 0;">Applicable Location</h4> <ul style="list-style-type: none"> • Zone 1 • Zone 2 • Zone 21 • Zone 22 • Class I, Division 2 Group A, B, C, D • Zone 1, AEx d IIB+H₂ • Zone 21, AEx tb IIIC 	<h4 style="margin: 0;">Environmental Ratings</h4> <ul style="list-style-type: none"> • NEMA 6/6P • IP 67/68
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3. Model Code

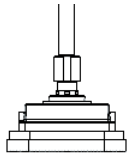
Options:

EPLX-HB-40W-SQ2-LED-TRC-VOLTAGE-COLOR TEMP

Example: EPLX-HB-40W-SQ2-LED-TRC-120V-50K

VOLTAGE		COLOR TEMP	
120V	-120V	5000K	-50K
208V	-208V	3000K	-30K
220V	-220V		
240V	-240V		
277V	-277V		
12V DC	-12VDC		
24V DC	-24VDC		

4. Technical Data

Item	Description
Voltage Options	120V, 208V, 220V, 240V or 277V AC / 12V or 24V DC
Ambient Temperature Range	-60°C to ~ +100°C
Material Enclosure Glass	Aluminum alloy Heat and impact resistant tempered glass
LED Service Life	60,000+ hrs
Entrance Hole	NPT 3/4" threaded holes
	Pendant mounted via a 3/4" hub on the back side of the fixture
Mounting Type / Weight	
	8.15lbs.

5. Assembly and Installation

5.1 Electrical Connection

Connect power leads as per diagram; Black to Line, White to Neutral, and Green to Ground. Follow all appropriate NEC codes for the area.



5.2 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.