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## EPLX-HB-2X80W-RD2-LED-TRC

# 160W Explosion Proof High Bay AC LED Fixture - C1D1/C2D1 - Group B + ATEX/IECEx - IP67 Waterproof

**Product ID: 222416**

**Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



**Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.**

**EPLX-HB-2X80W-RD2-LED-TRC Explosion Proof High Bay AC LED**

**Listing: United States, Canada, Europe**
**Lamp Technology: AC LED**
**Dimensions:** 24"L x 12"W x 10"H
**Weight:** -
**Lamp Quantity:** 2
**Voltage:** 120V AC, 208V AC, 220V AC, 240V AC, 277V AC
**Frequency:** -
**Total Watts:** 160W (80W per Lamp)
**Total Lumens:** 16,800 (5000K) or 15,200 (3000K)
**Luminous Efficacy:** 105 Lm/W (5000K) or 95 Lm/W (3000K)
**Lamp Life:** 60,000+ Hours
**Color Temp:** 5000K - Cool White or 3000K - Warm White
**Color Rendering Index:** >70 CRI
**Lamp Type:** -
**Lamp Base:** -
**Replacement Lamp:** -
**Beam Angle:** 110°
**Lighting Configuration:** Wide Flood Beam
**Power Efficiency:** >85%
**Power Factor:** >0.9
**Amperage:** 1.33A @ 120V AC, 0.76A @ 208V AC, 0.72A @ 220V AC, 0.66A @ 240V AC, 0.56A @ 277V AC
**Ambient Operating Temp Range:** -60°C to +100°C

**Ratings/Approvals**

Class I, Division 1, Groups B, C, D
Class I, Division 2, Groups A, B, C, D
Class II, Divisions 1 & 2, Groups E, F, G
Class III, Divisions 1 & 2
Class I, Zone 1 & 2, AEx d IIB+H2
Class I, Zone 21 & 22, AEx td IIC
IEC Ex d IIB+H2 T5...T4 Gb
IEC Ex tb IIIC T110° Db
ATEX II 2G Ex d IIB+H2 T5...T4 Gb
ATEX II 2D Ex tb IIIC T110° Db
IP67 Waterproof
NEMA 6/6P
Certified to UL 844
Certified to UL 1598
Certified to UL 60079
Certified to CSA C22.2 No. 137-M1981
Certified to IEC 60079 & EN 60079
Compatible With Lutron C.L. Series Dimmers
Factory Sealed Light Fixture
ABS Type Approval

**Temp Rating:** T6
**Housing Material:** Aluminum Alloy
**Hardware/Hub Material:** -
**Lens Material:** Tempered Glass
**Mounting:** Swivel Mount or Pendant Mount
**Wiring Hub:** 3/4" NPT

**Special Orders - Special Requirements**
Contact us for special requirements
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**The EPLX-HB-2X80W-RD2-LED-TRC Explosion Proof High Bay AC LED Fixture from Larson Electronics is a compact powerhouse built to withstand demanding conditions. This 160-watt high bay LED light contains cutting-edge AC LEDs paired with specially designed heat sinks for improved efficiency, thermal management and durability. Available in 5000K cool white and 3000K warm white options, a 110° flood beam provides crisp and bright illumination with broad coverage. The ATEX/IECEx-rated LED fixture comes with a single junction box for wiring connections and is compatible with swivel or pendant mounting requirements.**

**Light Features:** The EPLX-HB-2X80W-RD2-LED-TRC delivers brilliant illumination and robust performance in a convenient space-saving form. Equipped with two, dimmable 80-watt AC LED lamps (total 160 watts), a 110° wide flood beam provides crisp, bright light with broad coverage. This ATEX/IECEx-rated LED fixture offers up to 16,800 lumens of output, with a color temperature rating of 5000K and >70 CRI. We also offer the LED light at 3000K, which provides 15,200 lumens of total output and >70 CRI. The IP67 waterproof LED unit is suitable for environments ranging between -60°C to +100°C.

This explosion proof high bay light utilizes AC LEDs paired with a heavy-duty housing and an advanced heat sink that allows for improved efficiency and thermal performance. By eliminating the drivers associated with DC LEDs, space is freed up for more connective surface, accelerating heat dissipation and increasing durability. The specially designed heat sink allows for greater surface area contact with the air as well as a stronger airflow rate. Because this fixture is created for maximum thermal efficiency, it is ideal for applications in which the ambient operating temperature falls into extreme ranges, especially high heat applications. Furthermore, fewer sub-components also means fewer chances for secondary component failure. The simplified circuit system used within AC LEDs creates greater stability and enhances luminaire lifespan.

**Durability:** The EPLX-HB-2X80W-RD2-LED-TRC is designed to endure the daily wear and tear inflicted by harsh outdoor conditions such as sun, wind, rain, snow and sleet. as well as to withstand the corrosive effects of saltwater spray in marine environments. Durable IP67 rated construction provides protection against the ingress of dust, dirt and humidity and allows this light to withstand the corrosive elements found within marine environments including saltwater spray. The copper free, non-sparking die-cast aluminum alloy housing and tempered glass lens are vibration and impact resistant, and the housing is treated with a coating that rejects dust and buildup.

The EPLX-HB-2X80W-RD2-LED-TRC is listed for use in the United States and Canada and carries IEC Ex and ATEX certifications.

**LED Benefits:** Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods,

such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. Solid state LED lighting is also safer for the environment as LEDs are 100% recyclable. And recycling simultaneously reduces operating costs by eliminating the need for the expensive special disposal services required with traditional gas burning and arc type lamps.

**Dimming:** The EPLX-HB-80W-RD3-LED-TRC can be wired with a dimmer switch for dimming capabilities. This gives operators the ability to manually adjust the brightness of the LED lamp quickly and easily. When using an electronic dimmer switch, the EPLX-HB-80W-RD3-LED-TRC will dim from 0% up to 100% via the user provided dimming switch. This explosion proof LED light fixture is compatible with Lutron C.L. series dimmer switches. Compatible dimmers in that series include the following: Diva® C•L® dimmer, Ariadni®/Toggler® C•L® dimmer, Luméa® C•L® dimmer, Maestro® C•L® dimmer and Skylark® C•L® Dimmer.

***PLEASE NOTE THAT ANY DIMMER INSTALLED ON THIS FIXTURE MUST BE LOCATED OUTSIDE OF THE HAZARDOUS AREA***

**Wiring/Power:** The explosion proof LED light contains a 3/4" NPT hub for completing wiring connections. Operators are provided access to a single junction box during installation. When setup for pendant mounting applications, wiring is fed through rigid pipe to the junction box and tied in to the fixture's lead wires, completing the electrical connection.

This ATEX/IECEx-rated LED fixture is offered in the following voltages: 120V AC, 208V AC, 220V AC, 240V AC or 277V AC.

**Mounting:** The EPLX-HB-2X80W-RD2-LED-TRC offers several mounting options including ceiling mounting, pendant mounting and wall mounting. Ceiling and wall applications are mounted using the adjustable swivel mount bracket found on the rear of the unit. Pendant applications are mounted from the ceiling and are suspended by rigid pipe via the 3/4" NPT hub on the back of the explosion proof fixture.

**Applications:** Oil refineries, petrochemical plants, painting facilities, offshore rigs, marinas, docks, warehouses, garages, high bay illumination, elevated lighting, suspended illumination, gyms, data centers and commercial buildings.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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# Frequently Asked Questions (FAQ)

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**EPLX-HB-2X80W-RD2-LED-TRC**

**Product ID: 222416**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**EPLX-HB-2X80W-RD2-LED-TRC-Voltage-Color Temp**

**Example: EPLX-HB-2X80W-RD2-LED-TRC-120V-50K**

| Voltage | |
|---|---|
| 120V | -120V |
| 208V | -208V |
| 220V | -220V |
| 240V | -240V |
| 277V | -277V |

| Color Temp | |
|---|---|
| 5000K | -50K |
| 3000K | -30K |

Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**