

EPLX-HB-80W-RD2-LED-TRC-JB2-20C

80W Explosion Proof High Bay LED Light Fixture - C1D1, C2D1 - Group B+ ATEX/IECEX - IP67

Product ID: 273766

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-80W-RD2-LED-TRC-JB2-20C Explosion Proof LED

Listing: NRTL Listed for United States, Canada, Europe

Lamp Technology: AC LED

Dimensions: 7.04" L x 7.04" H x 5.72" D

Weight: 7 lbs

Voltage: 120 V AC, 208 V AC, 220 V AC, or 240 V AC

Total Watts: 80W

Lumens: 8,400 (5000K) or 7,600 (3000K)

Luminous Efficacy: 105 Lm/W (5000K) or 95 Lm/W (3000K)

Lamp Life: 60,000+ Hours

Color Temp: 5000K cool white, 3000K warm white

Color Rendering Index: >70 CRI

Beam Angle: 110°

Lighting Configuration: Wide Flood Beam

Power Efficiency: >85%

Power Factor: >0.9

Amperage: 0.66A @ 120V AC, 0.38A @ 208V AC, 0.36A @ 220V AC, 0.33A @ 240V AC, 0.28A @ 277V AC

Ambient Operating Temp Range: -60°C to +100°C

Operating Temp Rating: T6

Housing Material: Copper Free Cast Aluminum

Housing Finish: Epoxy Powder Coated - Grey

Lens Material: Hardened Borosilicate Glass

Gasket Material: Silicone

Mounting: Surface Mount

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

NEMA 6/6P, IP67 Waterproof

NRTL Certified to UL 844

NRTL Certified to UL 1598

NRTL Certified to UL 60079

NRTL Certified to CSA C22.2 No. 137-M1981

NRTL Certified to IEC 60079

NRTL Certified to EN 60079

Factory Sealed Light Fixture

ABS Type Approval

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Wiring: 6' 16/3 SOOW Cord

Cord Cap: -

Wiring Hubs: (5) 3/4" NPT Threaded Hubs

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The EPLX-HB-80W-RD2-LED-TRC-JB2-20C Explosion Proof High Bay LED Light Fixture from Larson Electronics provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky, outdated and costly incandescent, metal halide and high pressure sodium lights. This heavy-duty unit is designed for use in Class I, Divisions 1 & 2 (including Group B) and Class II, Divisions 1 & 2 environments.

The EPLX-HB-80W-RD2-LED-TRC-JB2-20C delivers up to 8,400/7,600 lumens of white light with a color temperature of 5,000K/3,000K and 70 CRI. This high bay LED luminaire is offered in the following voltages: 120 V AC, 208 V AC, 220 V AC, or 240 V AC. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. During installation, operators may mount the 80-watt unit on compatible surfaces. Lightweight and a low profile make this unit an attractive alternative to larger and heavier fixtures and requires less hardware to install.

The explosion proof 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 less chances of secondary component failure. The simplified circuit system used within AC LEDs creates greater stability and enhances luminaire lifespan.

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.

****PLEASE NOTE**** Voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.

Applications: Oil refineries, petrochemical plants, painting facilities, offshore rigs, marinas, docks, warehouses, garages, commercial buildings, high bay lighting systems, elevated lighting and more.

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.



Frequently Asked Questions (FAQ)



EPLX-HB-80W-RD2-LED-TRC-JB2-20C

Product ID: 273766

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLX-HB-80W-RD2-LED-TRC-JB2-20C-Voltage-Color Temp

Example: EPLX-HB-80W-RD2-LED-TRC-JB2-20C-120V-50K

Voltage	
120V	-120V
208V	-208V
220V	-220V
240V	-240V

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

Links (Click on the below items to view):

- [HigResPic1](#)
- [HigResPic2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)