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

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
Wiring: 6' 16/3 SOOW Cord
Cord Cap: -
Wiring Hubs: (5) 3/4" NPT Threaded Hubs

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 - Requirements

Contact us for special requirements

Phone: 1-214-616-6180
Toll Free: 1-800-369-6671
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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 LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky, outdated and costly incandescent, metal halide and high pressure sodium lights.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 luminary 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.

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Frequently Asked Questions (FAQ)

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Options:

-Voltage-Color Temp

Example: -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):

- ISO 9001 Certification

- Business Certificate