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EPLC2-TRN-220W-LED

220 Watt Explosion Proof LED Flood Light - Surface Mount - 26,970 Lumens - C1D2 / C2D1

Product ID: 106286

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.

Specifications / Additional Information

EPLC2-TRN-220W-LED Explosion Proof LED Flood Light

Lamp Type: LED
Dimensions: 19.9"H x 20.6"W x 6.4"D
Weight: 25 Lbs
Voltage: Multi - 120-277V AC, 50/60Hz
Total Watts: 220W
Total Lumens: 26,970
LED Lamp Life Expectancy: 100,000+ Hours
Color Temp: 5000K
Color Rendering Index: 70 CRI
Beam Angle: 120°
Lighting Configuration: Flood Pattern
Power Efficiency: >90%
Power Factor: 0.95
Amperage: 0.94A @ 120V, 2.17 @ 277V
Ambient Operating Temp Range:-40° C to +55°C
Operating Temp Rating: T4
Lamp Housing Material: Copper Free Cast Aluminum
Lens Material: Impact Resistant Glass (Polycarbonate Available)
Gasket Material: Silicone
Mounting: Trunnion Style Fixed Mount
Finish: Baked Powder Epoxy/Polyester
Wiring Hub: 3/4" NPT

Quick Summary

Listed for United States and Canada
Class I Division 2 Groups C and D
Class II Division 1 & 2 Groups E,F,G
Class III
Certified to UL844 and C22.2 Standards
Certified to UL 1598
T4 Temperature Rating
NEMA 3, 4X
IP66 Rated Waterproof
Enclosed and Gasketed
70% Lumen Retention after 100,000 Hours
ATEX Certification
Suitable for Wet Areas

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics EPLC2-TRN-220W-LED Explosion Proof LED Flood Light 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 and high maintenance cost older fixtures.
This Class 1 Division 2, Class 2 Division 1 & 2 explosion proof LED flood light fixture provides 26,970 lumens of high quality light while drawing only 220 watts. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 100,000 hour rated lifespan with 70% lumen retention. Light weight and a low profile make this unit an attractive alternative to larger and heavier older fixtures and requires less hardware to install.

This light is universal voltage and operates on and voltage within a range 120-277V AC, 50/60Hz without any need for a special ballast. The aluminum body and LED lamp give this light excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LED luminaries. The LED lamp produces 26,970 lumens with a color temperature of 5000K and a color rendering index of 70 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The EPLC2-TRN-220W-LED offers an adjustable mounting system that this fixture to be mounted to any flat surface including walls and ceilings.
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. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.
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.

High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MH.
5. Retains 70% lumen output after 100,000 operating hours.
6. Powder coated aluminum fixture body.

Superior LED Benefits

1. 100,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.

7. Pendant and Swivel Bracket mount included
8. Low profile - Light weight
9. 26,970 Lumen output from only 220 watts

6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)



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Product ID: 106286

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**