

EPLC2-PT-2X150LED-RT

Explosion Proof 300 Watt Pole Top LED Light Fixture 35,000 Lumens - C1D2 / C2D1

Product ID: 154337

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

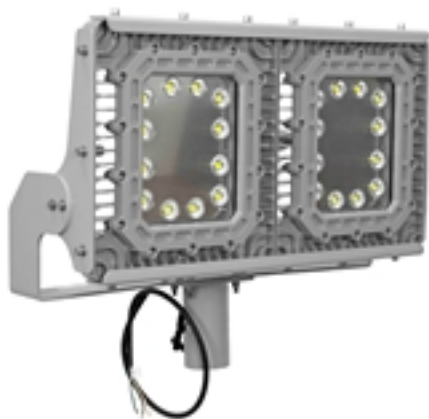


Image: EPLC2-PT-2X150LED-RT

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.

EPLC2-PT-2X150LED-RT - C1D1 Pole Top LED Light

Listing: United States - Canada
Lamp Type: Cree LED
Dimensions: 28"L x 16"W 5"D
Weight: 67 lbs
Voltage: 120-277V AC 50/60 Hz or 11-25V AC/DC
Total Watts: 300W
Lumens: 35,000
Luminous Efficacy: 116.67 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75 CRI
Beam Angle: 60° or 125°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: 0.992
Ambient Operating Temp Range: -50°C to +65°C
Operating Temp Rating: T5
Housing Material: Copper Free Cast Aluminum
Housing Finish: Epoxy Powder Coated - Grey
Lens Material: Hardened Borosilicate Glass - Impact Resistant

Ratings/Approvals

Listed for United States and Canada
Class I, Divisions 2, Groups C and D
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
Certified to UL 844 Ed. 13
Certified to UL 1598A
Certified to C22.2 No. 137 Rev 2009
Certified to C22.2 No. 250.0
Certified to C22.2 No. 30-M-1986 Rev 2012
T5 Temperature Rating
Paint Spray Booth Approved
IEC 60529 Tested
IP67 Rated Waterproof
LEL Approved
Multiple Driver Banks
80% Lumen Retention after 60,000 Hours
Factory Sealed Light Fixture
Recommended 15' to 40' Mounting Height
NEMA 4X
ABS Type

Gasket Material: Silicone
Mounting: Pole Top Slip Fitter Mount
Wiring Hub: 3/4" NPT

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPLC2-PT-2X150LED-RT Explosion Proof pole top slip fitter light fixture provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. Cree LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures.

*****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE*****

This Class I Division 2, Class II Division 1 & 2 explosion proof light fixture provides 35,000 of high quality light while drawing only 300 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 60,000 hour rated lifespan with 80% 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.

The explosion proof LED light fixture features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twenty-four individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to operate.

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.

This light is universal voltage capable and can be operated with 120-277V AC 50/60 Hz or 11-25V AC/DC. This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The cast 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 LEDs and electronics.

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This LED light produces 35,000 lumens with a color temperature of 5000K standard and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. We also offer a 3000K warm white and 4000K natural white color temperature options (longer lead times may apply for non-standard temperatures). The EPLC2-PT-2X150LED-RT explosion proof LED fixture includes a pole top slip fitter mount.

Mounting: Each unit is equipped with an innovative trunnion style mounting bracket and is attached to a slip fit yoke for easy installation. The slip fit yoke is built to customer's specs, enabling operators to mount this explosion proof LED light to their specific pole size. For example, selecting a 2" OD mount means that the yoke mount will fit onto pipes or bull horns with a 2" OD.

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 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Pole top slip fitter mount included
8. Low profile - Light weight
9. 35,000 Lumen output from only 300 watts
10. Multiple LED Driver Banks for Redundancy
11. Paint Spray Booth Approved

Superior LED Benefits

1. 60,000 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.
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)

There are no Faqs

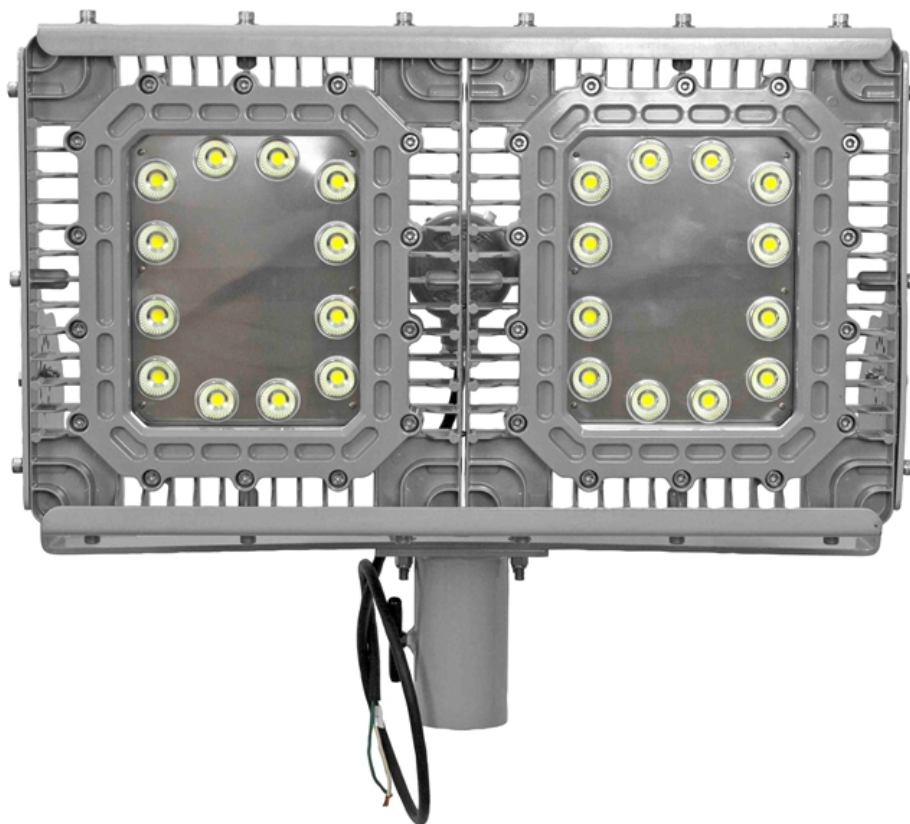


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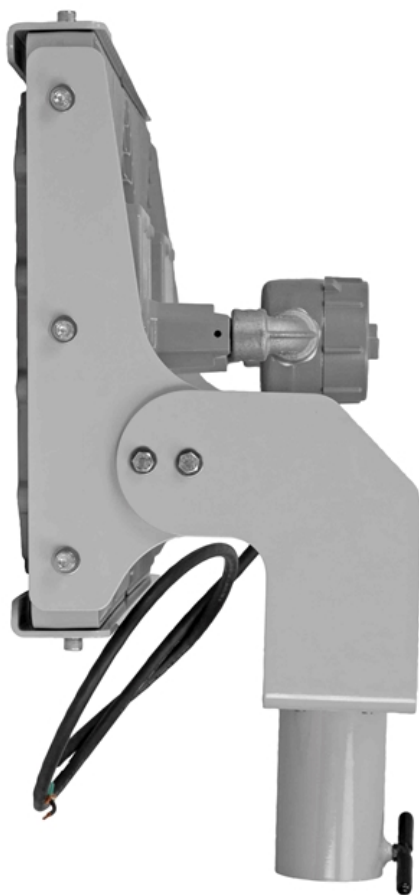


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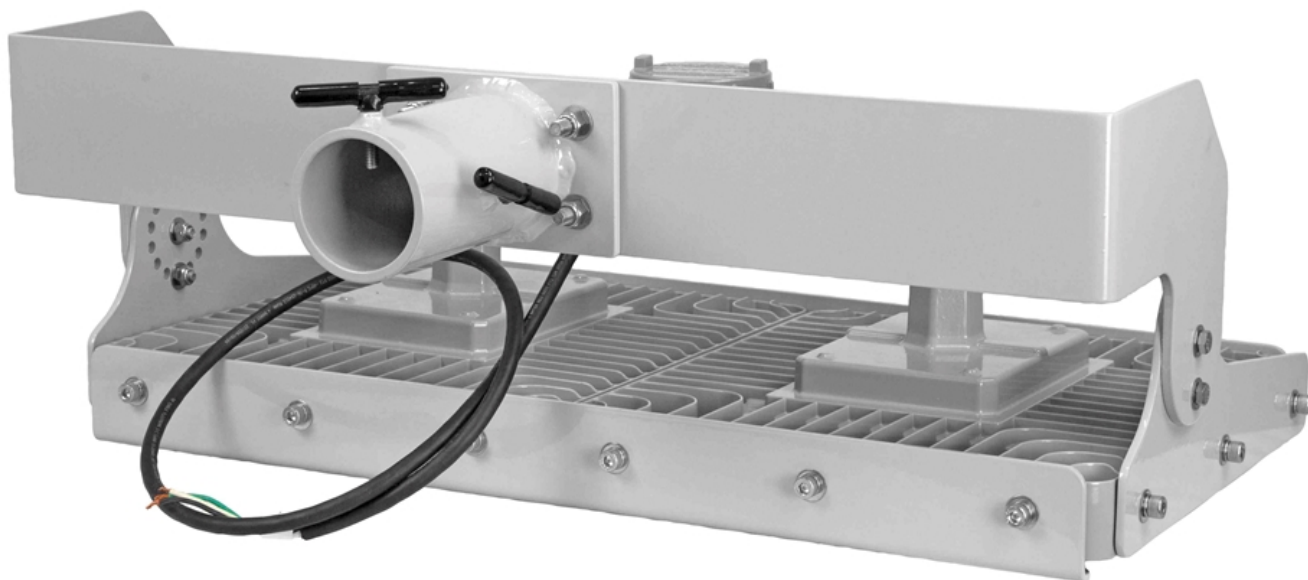


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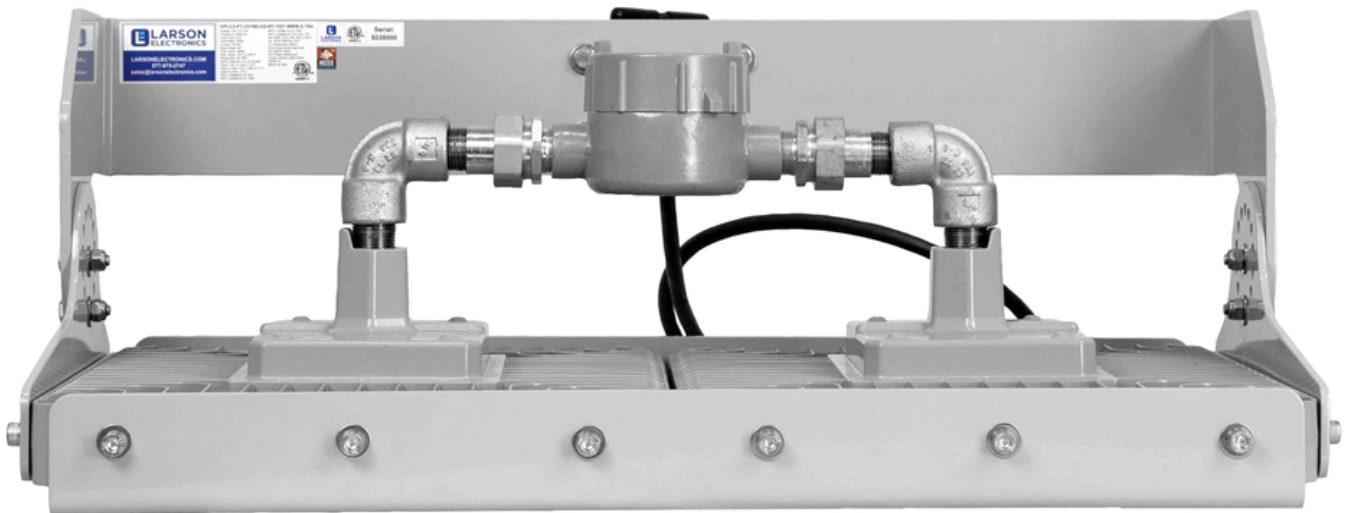


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Product ID: 154337

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLC2-PT-2X150LED-RT-Voltage-Beam Angle-Mount

Example: EPLC2-PT-2X150LED-RT-1227-60DB-1.25in

Voltage	
120-277V AC	-1227
11-25V AC/DC	-1224

Beam Angle	
60°	-60DB
125°	-125DB

Mount	
1-1/4IN	-1.25in
2IN	-2in
2 1/4IN	-2.25in
2 3/8IN	-2.375in
2 1/2IN	-2.5in
2 3/4IN	-2.75in
3IN	-3in
4IN	-4in



Links (Click on the below items to view):

- **Operations Manual**(<https://www.larsonelectronics.com/images/product/Manual/154337.PDF>)
- **Wiring Diagram**(<https://www.larsonelectronics.com/images/product/WiringDiagram/154337.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/154337.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/154337.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/154337.JPG>)
- **HigResPic4**(<https://www.larsonelectronics.com/images/product/HigResPic4/154337.JPG>)
- **HigResPic5**(<https://www.larsonelectronics.com/images/product/HigResPic5/154337.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=ZEWSEBXdzYE>)
- **Video2**(<https://www.youtube.com/watch?v=OGbw09xDtqI>)
- **Video3**(https://www.youtube.com/watch?v=12Quu_Q_HmI)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map**(<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)