Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

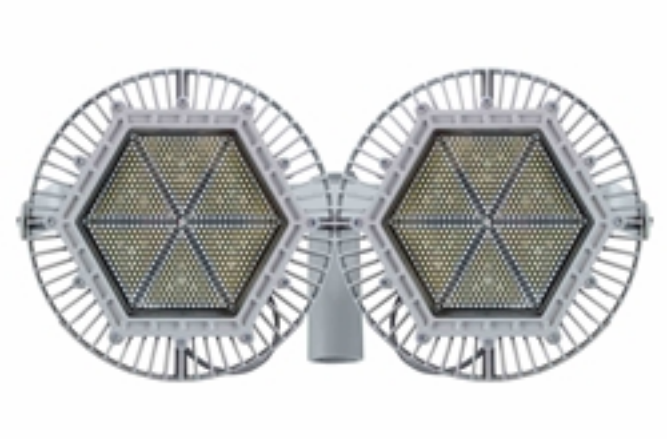
www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

EPLC2-PT-2X300LED-RT

600W Explosion Proof Pole Top LED Light Fixture - C1D2, C2D1 - (2) 300W LED Fixtures - 84,000 lms

Product ID: 281109

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.

EPLC2-PT-2X300LED-RT - C1D2 Pole Top LED Light

Listing: NRTL Listed for United States and Canada
Lamp Technology: LED
Lamp Qty: (2)
Dimensions: 40"-L x 22"-H x 10"-D
Weight: 110 lbs
Voltage: 120-277V AC 50/60 Hz or 11-25V AC/DC
Total Watts: 600W
Single-lamp Watts: 300W
Total Lumens: 84,000 lms
Single-lamp Lumens: 42,000 lms
Luminous Efficacy: 140 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5600K
Color Rendering Index: 75 CRI
Beam Angle: 60°, 125° or 140°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: 0.992
Ambient Operating Temp Range:-50°C to +65°C
Operating Temp Rating: T5

Ratings/Approvals

Class I, Division 2, Groups A,C,D
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
T5 Temperature Rating
Paint Spray Booth Approved
IEC 60529 Tested
IP67 Rated Waterproof
Multiple Driver Banks
80% Lumen Retention after 60,000 Hours
Factory Sealed Light Fixture
3.5kV Surge Protection (NTC Circuit)
Recommended 20` to 65` Mounting Height

Housing Material: Copper Free Cast Aluminum

Housing Finish: Epoxy Powder Coated

Lens Material: Hardened Borosilicate Glass - Impact Resistant
Gasket Material: Silicone

Mounting: Pole Top Slip Fitter Mount

Pole OD Options: 1-1/4", 2", 2 1/4", 2 3/8", 2 1/2", 2 3/4", 3" or 4"

Wiring: 10` 16/3 SOOW w/ Flying Leads

Wiring Hub: 3/4" NPT

Special Orders - Special Requirements
Contact us for special requirements

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPLC2-PT-2X300LED-RT Explosion Proof Pole Top LED Light Fixture provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. LED technology and a compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures. This fixture consists of two, 300-watt LED lights. The explosion proof unit is designed for elevated lighting.
******PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE******
This Class I, Division 2 and Class II, Division 1 & 2 explosion proof light fixture provides 84,000 lumens of high quality light while drawing only 600 watts. With a two-lamp configuration, each 300-watt light produces 42,000 lumens of output. 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.

Click Photos to Enlarge



60° Beam Angle



125° Beam Angle



140° Beam Angle

Beam Angles: As a permanent lighting solution, selecting proper beam angles can help support specific tasks and safe operations at combustible facilities. The 60° beam provides the most intense beam of the three options. It is perfect for narrow, confined spaces and is ideally suited for tank cleaning purposes. It offers focused light to provide ample illumination to tight work spaces and other environments. The 125° beam offers a more diffused source of light that is also less intense in brightness. It is a great general area work light and performs well when used for outdoor illumination. The 140° beam offers a very wide lighting pattern and is ideal for situations where lighting distance is not a concern, but illumination of a wider area and even light distribution is. The 140° beam is great for situations that call for working in close proximity to lights such as in a paint booth.
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 LED light produces 84,000 lumens with a color temperature of 5600K 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 4500K natural white color temperature options (longer lead times may apply for non-standard temperatures). The EPLC2-PT-2X300LED-RT explosion proof LED fixture includes a pole top slip fitter mount.

The 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.

Wiring: The Class I, II and III rated explosion proof LED fixture comes with 10` of 16/3 SOOW cord with flying leads for seamless connection to customer-provided power sources. Wiring is fed through rigid pipe to the junction box and tied in to the fixture`s lead wires, completing the electrical connection.

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.

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Frequently Asked Questions (FAQ)



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EPLC2-PT-2X300LED-RT

Product ID: 281109

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLC2-PT-2X300LED-RT-Voltage-Beam Angle-Mount

Example: EPLC2-PT-2X300LED-RT-1227-60DB-1.25in

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

Beam Angle	
60°	-60DB
125°	-125DB
140°	-140DB

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):

- **HigResPic1**
- **HigResPic2**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**