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-150LED-RT-DNS

150W Explosion Proof Pole Mount LED Fixture - Slip Fitter Yoke - C2D1/C1D2 - Day/Night Photocell

Product ID: 147280

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-150LED-RT-DNS Pole Top Slip Fit Mount

Lamp Type: Cree LED
Dimensions: 16"W x 22"H x 18"D
Weight: 40 lbs
Total Watts: 150W
Total Lumens: 21,000
Voltage: 120V AC 50/60 Hz, 208-277 Volts AC 50/60 Hz, 12V AC/DC, or 24V AC/DC
Lighting Configuration: Flood Pattern
Color Temp: 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K
Photocell: Adjustable Day/Night Photocell

Lamp Life: 60,000+ Hours

Temp Rating: T5 -40C to +65C

Mounting: Slip Fit Yoke Mount w/ Adjustable Bracket

Mount OD: 2", 2-1/4", 2-1/2", 2-3/4", 3"

Ratings/Approvals

Class I, Division 2, Groups C and D
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
CSA Certified to C22.2 No.137-M81
cETL Certified to UL844 and C22.2 Standards
T5 Temperature Rating
Automatic On/Off Via Integrated Photocell

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPLC2-PT-150LED-RT-DNS Pole Top Slip Fitter LED Light Fixture with Day/Night Photocell provides operators with a powerful and energy efficient alternative to traditional hazardous location

luminaries. Cree LED technology, compact design and automatic day/night operation makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures.

This Class I Division 2, Class II Divisions 1 & 2 pole top slip fit mount explosion proof light fixture provides 21,000 lumens of high quality light while drawing only 150 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 EPLC2-PT-150LED-RT-DNS pole top slip fit mount explosion proof light features an adjustable swivel bracket constructed of 3/8" aluminum that allows 270° of adjustment 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. The wiring of the EPLC2-PT-150LED-RT is terminated in a junction box with 3/4" threaded hub. Operators can run rigid pipe or flexible conduit to the junction box, terminating the electrical connections within.

Guard Sold Separately



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Click Photo to Enlarge

Click Photo to Enlarge



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 twelve 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.
The EPLC2-PT-150LED-RT-DNS features an integrated day/night photocell that allows for automatic operation of the light when ambient light levels drop below a certain amount such as in low light conditions or at night. This automatic operation of the light adds an additional layer of convenience to this explosion proof LED light fixture. Operators can adjust the photocell sensor to turn the light on at different ambient light levels to accomodate the specific needs of the location where the light is installed. This feature adds even more versatility to this unit.
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 21,000 lumens with a color temperature of 5000K, 4000K, or 3000K and a color rendering index of 70 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The lamp is T5 temperature rated, Design Lights Consortium approved, and the LED light head retains 80% of its lumen output after 60,000 hours of use, far longer than incandescent or fluorescent lamps.
This light can be operated on 120V AC 50/60Hz or 208-277V AC 50/60Hz. We also offer a low voltage version of this LED fixture that operates on 12V or 24V 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.
The entire assembly is ETL listed Class I, Division 2 and Class II, Divisions 1 & 2 for use in hazardous locations and approved for paint spray booths. The extreme durability, universal voltage capabilities, and LED longevity make this LED flood lighting system an ideal fit for frac pads, rigs, offshore, and any application that requires a Class I Division 2 pole top light fixture.
Mounting Notes: The EPLC2-PT-150LED-RT pole top slip fit mount explosion proof light features an adjustable swivel bracket constructed of 3/8" aluminum that allows over 270° of adjustment 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, MV.
5. Retains 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Slip fit yoke mount for easy installation.
8. Low profile - Light weight
9. 21,000 Lumen output from only 150 watts
10. Automatic on/off via adjustable day/night photocell

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 LEED 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: 147280

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLC2-PT-150LED-RT-DNS-Mount-Voltage-Beam Angle

Example: EPLC2-PT-150LED-RT-DNS-2in-120V-60DB

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

Voltage	
120V AC	-120V
208-277V AC	-277V
12V AC/DC	-12V
24V AC/DC	-24V

Beam Angle	
60°	-60DB
125°	-125DB

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- Video2
- Video3
- Video4
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map