

40W Explosion Proof Pole Top AC LED Fixture - Class I Division 2 - ATEX/IECEX - IP68

Waterproof

EPLX-PT-40W-SQ2-LED-TRC

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



EPLX-PT-40W-SQ2-LED-TRC Explosion Proof Pole Top AC LED

Listing: United States, Canada, Europe

Lamp Type: AC LED

Dimensions: 7.99"L x 5.12"W x 3.84"H

Weight: 8.15 lbs

Voltage: 120V, 208V, 220V, 240V or 277V AC / 12V or 24V DC

Total Watts: 40W

Lumens: 4,200 (5000K) or 3,200 (3000K)

Luminous Efficacy: 105 Lm/W (5000K) or 80 Lm/W (3000K)

Lamp Life: 60,000+ Hours

Color Temp: 5000K cool white, 3000K warm white

Color Rendering Index: >70 CRI

Beam Angle: 100°

Lighting Configuration: Wide Flood Beam

Power Efficiency: >85%

Power Factor: >0.9

Amperage: 0.33A@120V AC, 0.19A@208V AC, .18A@220V AC, 0.16A@240V AC, 0.14A@277V AC

Ambient Operating Temp Range: -60°C to +100°C

Operating Temp Rating: T6

Housing Material: Aluminum Alloy

Lens Material: Tempered Glass

Mounting: Pole Mount Slip Fitter

Pole Diameters: 2", 2.25", 2.5", 2.75" or 3"

Wiring:

Wiring Hub: (2) 3/4" NPT hubs

Ratings/Approvals

Class I, Division 2 Groups A, B, C, D

IEC Ex d IIB+H2 T6..T4 Gb

IEC Ex tb IIIC T105°C Db

ATEX II 2G Ex d IIB+H2 T6...T4 Gb

ATEX II 2D Ex tb IIIC T105° Db

IP68 Waterproof

NEMA 6/6P

Certified to UL 844

Certified to UL 1598

Certified to IEC 60079-0: 2011

Certified to IEC 60079-1: 2007-04

Certified to IEC 60079-31: 2008

Certified to EN 60079-0: 2012

Certified to IEC 60079-1: 2007

Certified to IEC 60079-31: 2009

ABS Type Approval

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

The EPLX-PT-40W-SQ2-LED-TRC Explosion Proof Pole Mount Slip Fit AC LED light fixture from Larson Electronics is a compact powerhouse built to withstand demanding conditions. This LED pole mount light features state-of-the-art AC LEDs paired with specially designed heat sinks for improved efficiency, thermal management, and durability. Available in 5000K cool white and 3000K warm white options, a 100° flood beam provides crisp, bright illumination with broad coverage, and an adjustable light head allows for 180° of repositioning. This heavy duty Class I Division 2 Groups A, B, C, & D LED lamp is suitable for oil refineries,

petrochemical plants, painting facilities, offshore rigs, marinas, docks, warehouses, garages, and commercial buildings.

Light Features: The 40 watt EPLX-PT-40W-SQ2-LED-TRC Pole Mount AC LED light fixture delivers brilliant illumination and robust performance in a convenient space-saving form. A 100° wide flood beam provides crisp, bright light with broad coverage. This pole mount slip fit fixture measures just 7.99"L and 3.83"H, with a total installed length of 8.95" and features an adjustable light head that allows for a 180° range of movement. To adjust the light head, simply loosen the thumbscrew and move the light head to the desired position and then tighten the thumbscrew to secure the light head.

This explosion proof pole mount slip fitter light fixture 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 fewer chances for secondary component failure. The simplified circuit system used within AC LEDs creates greater stability and enhances luminaire lifespan.

The EPLX-PT-40W-SQ2-LED-TRC is designed to endure the daily wear and tear inflicted by harsh outdoor conditions such as sun, wind, rain, snow and sleet. as well as to withstand the corrosive effects of saltwater spray in marine environments. Durable IP68 rated construction provides protection against the ingress of dust, dirt and humidity and allows this light to withstand the corrosive elements found within marine environments including saltwater spray. The copper free, non-sparking die-cast aluminum alloy housing and tempered glass lens are vibration and impact resistant, and the housing is treated with a coating that rejects dust and buildup.

The EPLX-PT-40W-SQ2-LED-TRC is listed for use in the United States and Canada, and carries IECEx and ATEX certifications.

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.

Mounting: The EPLX-PT-40W-SQ2-LED-TRC 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. The available outside diameter options for the EPLX-PT-40W-SQ2-LED-TRC are as follows: 2inches, 2.25inches, 2.5inches, 2.75inches or 3 inches.

Power/Wiring: The EPLX-PT-40W-SQ2-LED-TRC is available in the following voltages: 120V AC, 208V AC, 220V AC, 240V AC, and 277V AC. We also offer a low voltage model that operates on 12V DC or 24V DC.

Applications: Industrial grade construction, compact design, and versatile positioning options make this Class I Division 2 Groups A, B, C, & D fixture and ideal lighting solution for oil refineries, petrochemical plants, painting facilities, offshore rigs, marinas, docks, warehouses, garages, and commercial buildings. 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. Each unit dialectically tested.
2. Low power consumption.
3. Instant on/off operation.
4. Fixture constructed of die-cast, corrosion resistant, copper free aluminum alloy.
5. No ballast box. No ballast to replace.
6. Superior color rendering compared to HPS, LPS, MH.
7. Retains 80% lumen output after 60,000 operating hours.
8. Exterior coating rejects dust and buildup.
9. Available in voltages: 120V AC, 208V AC, 220V AC, 240V AC, and 277V AC. Low voltage model available in 12V DC or 24V DC.
10. Highly efficient thermal dissipation.
11. Fewer secondary components adds durability and longevity
12. Lighter weight, slimmer, brighter alternative to fluorescent configurations.
13. Explosion Proof / Flame Proof US, CAN, ATEX, IECEx; Rated for use in the United States and Canada

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)



Warranty: 60 Months

Options:

EPLX-PT-40W-SQ2-LED-TRC-Voltage-Color Temp-Pole OD

Example: EPLX-PT-40W-SQ2-LED-TRC-120V-50K-2in

Voltage	
120V	-120V
208V	-208V
220V	-220V
240V	-240V
277V	-277V
12V DC	-12VDC
24V DC	-24VDC

Color Temp	
5000K	-50K
3000K	-30K

Pole OD	
2	-2in
2 1/4	-2.25in
2 1/2	-2.5in
2 3/4	-2.75in
3	-3in

Links (Click on the below items to view):

- [HigResPic1](#)
- [Video1](#)
- [Video2](#)
- [Video3](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)