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

EPLX-TRN-40W-SQ2-LED-TRC-50-HR Explosion Proof AC LED w/ Explosion Proof Cord Reel

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: Handheld
Wiring: 50` Explosion Proof Cord Reel

Cord Reel Specs

Type: Explosion Proof Cord Reel
Dimensions: 23.38" L x 15" H x 15.4" D
Weight: 150 lbs
Materials: Steel and Cast Aluminum
Wiring: 50` 16/3 SOOW w/ 6` Feeder Cord on Fixed End
Finish: Gray Epoxy Coating
Waterproof Rating: IP56

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 NRTL Certified to UL 844
Certified to NRTL 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

Ratings/Approvals

Class I Divisions 1 & 2, Groups C & D
Class II Divisions 1 & 2, Groups E, F, & G
Class III Division 1 & 2
Class 1 Zone 1: AEx d IIB, EX d IIB
Conforms to NEMA 9 and NEMA 4 (IP56) standards
Built to NRTL Certified to UL 508 table 36.1/NEC Standards

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-TRN-40W-SQ2-LED-TRC-50-HR Explosion Proof AC LED Light Fixture w/ Explosion Proof 50` Cord Reel from Larson Electronics is a compact powerhouse built to withstand demanding conditions. This portable LED 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-TRN-40W-SQ2-LED-TRC-50-HR Portable 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 portable fixture measures just 7.99"L and 3.83"H, with a total length of 8.95" and features a convenient handle for carrying and directing the light fixture.

This explosion proof portable LED 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-TRN-40W-SQ2-LED-TRC-50-HR 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-TRN-40W-SQ2-LED-TRC-50-HR is listed for use in the United States and Canada, and carries IECEx and ATEX certifications. The included explosion proof cord reel is rated Class I Division 1 Groups C & D, Class II Division 1 Groups E, F & G and Class III Division 1 along with being suitable for indoor or outdoor use by conforming to NEMA 4 standards and being IP56 rated.

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-TRN-40W-SQ2-LED-TRC-50-HR LED fixture is designed to be portable by allowing operators to carry the fixture by the included handle to direct and move the light fixture around the work area. The included explosion proof cord reel is equipped with 50` of 16/3 SOOW cord and is designed to be surface mounted within the desired area so that the attached LED fixture can be deployed quickly and easily whenever it is needed.

Power/Wiring: The EPLX-TRN-40W-SQ2-LED-TRC-50-HR 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. The included explosion proof cord reel includes 50` of 16/3 SOOW cable for convenient movement around the area where the fixture is installed.

Cord Reel Features: The EPLX-TRN-40W-SQ2-LED-TRC-50-HR is equipped with an explosion proof cord reel that contains 50 feet of 16/3 chemical and abrasion resistant cable. The reel is built with modular components, coupled with a spark proof spring activated ratchet and hazardous location slip ring housing. The reel has a 4-roller adjustable cable guide and ball and is constructed from rugged fabricated steel and cast aluminum slip ring enclosure that has a gray epoxy finish on all steel parts for durability. Built to NRTL Certified to UL 508 table 36.1/NEC standards, the explosion proof cord reel on this fixture is equipped with a 6` feeder cord on the fixed end.

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)

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Warranty: 60 Months

Options:

-Voltage-Color Temp

Example: -120V-50K

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

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

Links (Click on the below items to view):

- ISO 9001 Certification

- Business Certificate