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EPLX-PM-40W-SQ2-LED-TRC-12V-20M-12.2-HLP.16A

40W Portable Explosion Proof AC LED Floodlight - C1D2 - 12V DC - Aluminum Frame - ATEX/IECEX - 20 Meter 12/2 SOOW Cord

Product ID: 271359

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.

EPLX-PM-40W-SQ2-LED-TRC-12V-20M-12.2-HLP.16A Portable Explosion 40 Watt LED Floodlight

Lamp Type: AC LED
Listing: United States, Canada, Europe
Dimensions: 8.38" W x 9.56" D x 17.25" H
Weight: 15 lb
Voltage: 12 V 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: 3.33 A @ 12 V DC
Ambient Operating Temp Range: -60°C to +100°C
Operating Temp Rating: T6
Housing Material: Aluminum Alloy
Lens Material: Tempered Glass
Stand Material: Non Sparking Aluminum
Wiring: 20 Meters of 12/2 SOOW Cord w/ Explosion Proof Cord Cap

Ratings/Approvals

Class I, Division 2, Groups A, B, C, D
Zone 1
NRTL Certified to UL 844
NRTL Certified to UL 60079
NRTL Certified to UL 1598
IEC Ex d IIB+H2
IEC Ex tb IIIC
IP68 Waterproof
NEMA 6/6P
Factory Sealed Light Fixture
ABS Type Approval

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

The EPLX-PM-40W-SQ2-LED-TRC-12V-20M-12.2-HLP.16A from Larson Electronics is a 40 Watt Explosion Proof LED Floodlight from Larson Electronics that combines the best of versatile, functional design and rugged, durable construction. This portable LED floodlight uses 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. The 7.99"L x 3.84"H light head is mounted to a lightweight A-frame style base with a convenient carrying handle built into the top of the stand. The non-sparking aluminum base is equipped with hand screws for easy repositioning of the light head, and 20 meters of 12/2 chemical and abrasion resistant cord terminated in a 16 amp 2P2W explosion proof cord cap provides operators with the ability to move about freely within the workspace. This IP68 rated 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-PM-40W-SQ2-LED-TRC-12V-20M-12.2-HLP.16A A-frame mounted LED floodlight delivers brilliant illumination and robust performance in a space-saving, easily portable form. A 100 ° wide flood beam provides crisp, bright light with broad coverage. This pedestal mounted fixture features an adjustable light head that allows for a 90° range of vertical tilt. To adjust the light head, simply loosen the hand screws located on the outer sides of the pedestal frame, moving the light head to the desired position and then retightening them to secure the light head.

This explosion proof lamp utilizes AC LEDs paired with an advanced heat sink that allow 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 mean fewer chances for secondary component failure. The simplified circuit system used within AC LEDs creates greater stability and enhances luminaire lifespan.

The EPLX-PM-40W-SQ2-LED-TRC-12V-20M-12.2-HLP.16A is designed to endure the daily wear and tear inflicted by harsh outdoor conditions such as sun, wind, rain, snow and sleet. 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. Additionally, the housing is treated with a coating that rejects dust and buildup for added convenience and durability. The EPLX-PM-40W-SQ2-LED-TRC-12V-20M-12.2-HLP.16A is listed for use in the United States, Canada and Europe, is rated Class I, Division 2, Groups A, B, C, D 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. Solid state LED lighting is also safer for the environment as LEDs are 100% recyclable. And recycling simultaneously reduces operating costs by eliminating the need for the expensive special disposal services required with traditional gas burning and arc type lamps.
A-Frame Base: The compact, lightweight A-frame mounting base is constructed from industrial grade non-sparking aluminum and has been powder coated for added durability and corrosion resistance. The compact 8.38"W x 9.56"D x 17.25"H footprint saves valuable floor space while the built in carrying handle and attached 20 meter cord offer unrestricted mobility. Convenient hand screws located on the outer sides of the base allow the operator to reposition the LED fixture where light is needed most.
Voltage: This portable LED floodlight operates on 12 V DC voltage.
Wiring: The EPLX-PM-40W-SQ2-LED-TRC-12V-20M-12.2-HLP.16A comes equipped with 20 meters of 12/2 SOOW cord that is fitted with an explosion proof 16 amp 2-pole, 2-wire cord cap for easy connection to explosion proof outlets.
Applications: Industrial grade construction, compact design, and versatile positioning options make this heavy duty Class I Division 2 Groups A, B, C, & D LED lamp suitable 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.

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Frequently Asked Questions (FAQ)

EPLX-PM-40W-SQ2-LED-TRC-12V-20M-12.2-HLP.16A

Product ID: 271359

Warranty: 60 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**