

EPL-CM-21W-LED

21 Watt Class 1 Division 1 LED Light - Vapor Proof and Explosion Proof - 120-277VAC - 9-32VDC

Product ID: 64352

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



Image: EPL-CM-21W-LED

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.

EPL-CM-21W-LED

Lamp Type: LED

Watts: 21 Watts

Lamp Dimensions: 7.25"-Wide, 15" Height

Lamp Weight: 9 lbs

Lumens: 1750

LED Light Color: 6000K, 4500K, or 2700K

LED Lamp Life: 50,000+ hours

Voltage: 120-240 Volts AC 50/60hz - Optional 9-32VDC

Lighting Configuration: Steady Burn

Mounting: 3/4" Pendant Hub, Wall Mount, or Ceiling Mount

Temp Rating: T3C

Wiring: 3/4 inch Hub

Power Factor: 86%

U.L. Ratings

Class 1, Groups C and D

Class II, Groups E and F (T3 Temp Rating)

Class III, Groups E, F and G

IP67 (water proof)

Suitable for Paint Spray Booths

T3C Temperature Rating

LEDs Driven at 90%

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

Made in the USA

The EPL-CM-21W-LED Explosion Proof LED Light from Larson Electronics is UL rated Class I Division 1, Groups C & D and paint spray both approved. Waterproof and IP67 rated, this explosion proof LED light is available in pendant, ceiling, or wall mount options.

The effective and durable EPL-CM-21W-LED explosion proof LED light from Larson Electronics is approved for use in paint spray booths and is ideal for industrial applications, hazardous work spaces, and areas where gases, vapors and dusts may be present and an effective and durable hazardous location light solution is needed. This lamp can be equipped with seven Edixeon® 3 watt LED emitters to provide a variety of brightness and power options. The lamp housing is waterproof, constructed of heavy cast aluminum, and UL tested to withstand 1490 lbs. per square inch of hydrostatic pressure. Factory sealed and finished in a durable polyester powder coating, this lamp can be ordered with a choice of mounting options and can be configured to operate with 120-240V AC 50/60hz. This fixture is also available in an optional low voltage 9-32 volts DC.

This hazardous area light carries a T3C temperature rating and is UL Listed Class I Groups C and D, Class II Groups E and F(T3 rating), and Class III, Groups E, F and G. This light is IP67 rated waterproof and suitable for use in paint spray booths and areas where flammable gases, vapors and chemicals may be encountered as well as approved for exposure to combustible dusts.

NOTE: To retain paint booth approval requirements, only lamps of 150 watts or lower be used with this unit. At 21 watts, this LED unit is far below the 150 watt limit. The cast aluminum housing is fully factory sealed and includes an integrated inspection hole for easy access to the splice compartment. Wiring is through a 3/4" hub.

The Edixeon® LEDs offer inherent LED resistance to shocks and vibrations, contributing to these units 15.6Grms rating of vibration tolerance and offer an outstanding life hours of 50,000+. The LED lamps used in this unit offer good power and economy and are energized by leads which pass through sealing compound that separates the lamp chamber from the wiring compartment. The lamp assembly is protected by an impact and heat resistant clear prismatic globe with heavy gauge aluminum reflector that affords excellent light control.

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.

We offer three different mounting options with this explosion proof light.



[Click Photo to Enlarge](#)

Pendant Mount: Available with a single 3/4" wiring hub, the pendant mount option allows operators to suspend the fixture from the ceiling or other suitable mounting location. The pendant mount option allows the operator to choose the distance of the fixture from the mounting surface by altering the length of the connecting conduit accordingly to achieve the desired position.



[Click Photo to Enlarge](#)

Wall Mount: Available with (4) 3/4" wiring hubs, the wall mount option allows operators to attach the fixture to flat surfaces such as walls, bulkheads, entryways etc. This option provides optimal placement for identifying specific locations such as exitways, entryways, high caution areas etc.



[Click Photo to Enlarge](#)

Ceiling Mount: Available with (4) 3/4" wiring hubs, the ceiling mount option provides the most rigid and secure placement of the fixture when mounted to ceiling locations. This mounting option provides a fixed position and has no provision for altering the distance of the lamp from the ceiling.

Stanchion Mount: [Click here to see the stanchion mount model of this light.](#)

Number of Hubs and Sizes: The wiring hubs on these units are threaded for connection to



rigid conduit and threaded connectors. Pendant and Stanchion mount configurations contain a single wiring hub and can be ordered with a 3/4" hub. Ceiling and Wall Mount configurations are available with a 3/4" hub and contain 4 threaded wiring hubs to allow feed through and series connections as well as connection to vertical or horizontally placed conduit.

Voltages:

120-240V AC 50/60hz - 0.175 amp draw @ 120VAC. Optional 9-32V DC - 0.875 amp draw @ 24VDC.

Temp Code: Class 1 T3C 230° C - Class 2 T3 (Do not install where the operating temperature exceeds the ignition temperature of the hazardous atmosphere.)

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.



Frequently Asked Questions (FAQ)

There are no Faqs



Image: EPL-CM-21W-LED This photo displays the EPL-CM-21W-LED with the optional Wall Mount.



Image: EPL-CM-21W-LED This photo displays the EPL-CM-21W-LED with the optional Pendant Mount.





Image: EPL-CM-21W-LED

EPL-CM-21W-LED

Product ID: 64352

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-CM-21W-LED-Mount-Voltage-Color Temp

Example: EPL-CM-21W-LED-WALM-1227-60K

Mount	
WALL	-WALM
CEILING	-CLGM
PENDANT	-PNDM

Voltage	
120-277VAC	-1227
12-24VDC	-1224

Color Temp	
6000K	-60K
4500K	-45K
2700K	-27K

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(<https://www.larsonelectronics.com/images/product/CECCert/64352.PDF>)
- **CE Certificate**(<https://www.larsonelectronics.com/images/product/CECert/64352.PDF>)
- **Certificate 1, Misc**(<https://www.larsonelectronics.com/images/product/Cert1/64352.PDF>)
- **Dimensional Drawing 2D**(<https://www.larsonelectronics.com/images/product/DimensionalDrawing/64352.PDF>)
- **Operations Manual**(<https://www.larsonelectronics.com/images/product/Manual/64352.PDF>)
- **STEP File (3D CAD Model)**(<https://www.larsonelectronics.com/images/product/Step/64352.ZIP>)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(<https://www.larsonelectronics.com/images/product/NECCert/64352.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/64352.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/64352.JPG>)
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- **HigResPic7**(<https://www.larsonelectronics.com/images/product/HigResPic7/64352.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=GWupsdq7UiM>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
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