Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

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EPLC2-PRM-LED-R1-NSF-1227-STNCH90

50W Hazardous Location Integrated Low Bay LED Fixture - C2D1 - 120-277V - 7,600 lms, Gasketed Bubble Lens, 90D Stanchion Mount - Food Safe

Product ID: 276789



Image: EPLC2-PRM-LED-R1-NSF-1227-STNCH90

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-PRM-LED-R1-NSF-1227-STNCH90 - Hazardous Location LED Fixture

Listing: NRTL Listed to United States, Canada
Lamp Technology: LED
Dimensions: 7.47"-L
Weight: -
Voltage: 120-277V AC, 50/60Hz
Total Watts: 50W
Total Lumens: 7,600 lms
Luminous Efficacy: 152 Lm/w
Lamp Life: 75,000+ Hours
LED Color Temperature: 5000K, 4500K, 4000K, 3500K or 3000K
Color Rendering Index: -
Lamp Type: Integrated LED
Lamp Base: -
Replacement Lamp: -
Beam Angle: 24°, 60° or 90°
Lighting Configuration: Spot or Flood
Power Efficiency: >95%
Power Factor: 0.992
Amps: 0.416A @ 120V, 0.240A @ 208V, 0.227A @ 220V, 0.208A @ 240V, 0.180A @ 277V
Ambient Operating Temp Range: -50°C to +65°C
Operating Temp Rating: T5
Housing Material: Copper Free Cast Aluminum (non sparking)
Housing Finish: Epoxy Powder Coated - Gray

Ratings/Approvals

Class I, Division 2 Groups A, B, C and D
Class II, Division 1 Groups E, F and G
Class II, Division 2 Groups F and G
Class III, Divisions 1 & 2
NRTL Certified to UL 844 Ed. 13
NRTL Certified to UL 1598
NRTL Certified to C22.2 No. 137 Rev 2009
NRTL Certified to C22.2 No. 250.0
NRTL Certified to C22.2 No. 30-M-1986 Rev 2012
IEC 60529 Tested
IP66 Rated Waterproof
Replacement for Fluorescent Low Bay Fixtures
Field Serviceable
Food Safe
NSF Compliant

Special Orders - Special Requirements

Contact us for special requirements

Lens Material: Molded Polycarbonate Protruding Lens - Gasketed Bubble Lens
Gasket Material: Silicone
Mounting: 90° Stanchion Mount - Other Mounts Available
Wiring Hub: (1) 3/4" NPT

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The Larson Electronics EPLC2-PRM-LED-R1-NSF-1227-STNCH90 Hazardous Location Integrated Low Bay LED Fixture offers powerful lighting with heavy-duty and energy efficient benefits in Class II, Division 1 rated combustible sites that contain combustible dust, fiber or flyings. Designed for food safe applications, this 50-watt LED unit delivers 7,600 lumens and is field serviceable. The NSF compliant fixture has a gasketed molded polycarbonate protruding lens for added protection and light diffusion. This IP66 rated fixture is compatible with 90° stanchion mount installations and features a 3/4" NPT wiring hub.

The EPLC2-PRM-LED-R1-NSF-1227-STNCH90 is a Class I, Division 2 and Class II, Division 1 & 2 fixture that is designed for reliable illumination in food processing or handling facilities with combustible dust (flammable "finely divided" solid materials of 420 microns or less, which can pass through a No. 40 sieve). This 50-watt fixture offers 7,600 lumens of high quality light in hazardous locations requiring protection due to the presence of combustible dust, such as food processing, food handling sites, beverage manufacturing, agriculture, grain storage, sugar facilities and more. The LED fixture is offered in a 24-degree spot, 60-degree flood or 90-degree wide flood beam configuration. Color temperature options for the LED light includes: 5000K, 4500K, 4000K, 3500K or 3000K. This unit is a suitable replacement for fluorescent low bay fixtures. Equipped with field serviceable features, the LED assembly is sealed from the driver box, allowing the driver to be changed without impacting the LEDs.

This NSF compliant light is protected by a copper-free cast aluminum housing, with an epoxy powder coated gray finish for durability in rugged environments. The non-sparking housing is specially designed to dissipate heat, which increases the efficiency and lifespan of the LEDs and electronic components. A protruding molded polycarbonate lens bolted directly on the front of the fixture provides protection from accidental damage or rough contact. For food safe applications, no exposed glass on light fixtures is allowed to prevent potential contamination of food products in the event the fixture breaks. The gasketed bubble lens also helps diffuse the light when the fixture is mounted at low positions or heights. This feature eliminates LED hot spots when looking at the light. Light diffusion reduces issues with blinding, increases operational safety and is a requirement in food safe applications. The T5-rated LED fixture carries an IP66 waterproof rating.

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.

Field Serviceability: This LED light fixture is field serviceable. All major internal components can be purchased from Larson Electronics and installed by a licensed electrician with basic tools. With most explosion proof fixtures, the fixture must be returned to the manufacturer for repair work, which presents downtime and long turn around times for repair work. Larson Electronics addresses this issue with products that cater to field serviceability, allowing operators to perform service work without having to return the fixture to the manufacturer in the event of damage or failure.

Voltage: The hazardous location light is universal voltage capable and can be operated with 120-277V AC, 50/60Hz.

Wiring: A 3/4" NPT hub at the back of the unit is available for completing wiring connections.

Mount: This low bay LED light fixture comes standard with 90° stanchion mounting features. Several mounting options including ceiling, wall, pendant and trunnion mounts for replacing existing light fixtures can be ordered separately.

Suggested Applications: The EPLC2-PRM series of hazardous location light fixtures are approved for use within environments where flammable or combustible dusts, fibers, and flying exist or stand the potential to exist, and where flammable or combustible gases or vapors stand the potential to exist.

This hazardous area light is ideal for a wide variety of applications. Applications include but not limited to chemical manufacturing, coke processing, cranes, food processing (with food grade gasketed polycarbonate lens), grain processing, laboratories, manufacturing, marine vessels, mining, paper processing, pharmaceuticals, power plants, sand blast cabinets, shipyards, storage facilities, textile, washdown areas, and woodworking. Click here to read the NEC description for explosion proof and hazardous locations.

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.

Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: EPLC2-PRM
Description: Explosion Proof Linear LED Light

Evaluated Listings:

ETL: NEC / United States standards
ETL: CEC / Canada standards

The EPLC2-PRM Series is certified to NEC and CEC standards for hazardous locations for:

- NEC: Class I, Division 2 Groups A, B, C and D; Class II, Division 1 Groups E, F and G; Class II, Division 2 Groups F and G; Class III, Divisions 1 & 2
- CEC: Class I, Division 2 Groups A, B, C and D; Class II, Division 1 Groups E, F and G; Class II, Division 2 Groups F and G; Class III, Divisions 1 & 2

The EPLC2-PRM Series is comprised of a Larson Electronics LLC HAL-PRM series NEC & CEC certified light assembly. The light head may be fitted with external wiring device box and/or accessories, portable power cord, and plug attachment that utilize components listed for hazardous locations.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Material Safety Data Sheet

To Whom It May Concern,

Larson Electronics LLC EHL, EPL, EPLC2, HAL, HALP, HALD, HAL-LI, HALS, and HALSS industrial line of LED lights without emergency backup for hazardous locations are considered "ARTICLES" under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS).

Articles are specifically exempt from the regulations of this standard. OSHA defines an article as follows:

1910-1200(c) – Article means a manufactured item other than a fluid or particle:

i. Which is formed to a specific shape or design during manufacture;
ii. Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and
iii. Which under normal conditions does not release more than very small quantities.

The "hazardous location" and "explosion proof" are terminology for the environment where these products will be installed. This is not to be confused with "hazardous materials;" this product does not contain any hazardous materials.

Regards,



Ray Smith
Larson Electronics, LLC.

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<- Back

Product Description

Title: ELECTRIC LIGHTING FIXTURES FOR USE IN HAZARDOUS (CLASSIFIED) LOCATIONS

Company: LARSON ELECTRONICS LLC - Kemp, TX USA

Product Information: Trade Name(s): Magna Light., EPL.

Lighting for use in Class I Division 2, Groups A, B, C and D, Class II Divison 1 and 2, Groups E,F and G, Class III hazardous locations, T5. HAL-PRM-LED-R4, HAL-PRM-LED-R1, HAL-PRM-LED-R5, HAL-PRM-LED-R6, HAL-PRM-LED-R2, HAL-PRM-LED-R3, HAL-PRM-LED-R7.

Evaluated to the following: A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Electric Lighting Fixtures for Use in Hazardous (Classified) Locations (UL-844) and are identified with the ETL Listed Mark.

<- Back

Contact Us

ETL listed products that are in doubt or for products that do not appear in the directory, please request a verification of certification.
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Product Description

Title: LUMINAIRES

Company: LARSON ELECTRONICS LLC - Kemp, TX USA

Product Information: Trade Name(s): Magna Light, EPL.

Surface-mounted Luminaire, Model Nos. Model Nos. HAL-PRM-LED-R4-1227, HAL-PRM-LED-R4-4748, HAL-PRM-LED-R4-1247, HAL-PRM-LED-R1-1227, HAL-PRM-LED-R1-4748, HAL-PRM-LED-R1-1247, HAL-PRM-LED-R5-1227, HAL-PRM-LED-R5-4748, HAL-PRM-LED-R5-1247, HAL-PRM-LED-R6-1227, HAL-PRM-LED-R6-4748, HAL-PRM-LED-R6-1247, HAL-PRM-LED-R2-1227, HAL-PRM-LED-R2- 4748, HAL-PRM-LED-R2-1247, HAL-PRM-LED-R3-1227, HAL-PRM-LED-R3-4748, HAL-PRM-LED-R3-1247, HAL-PRM-LED-R7-1227, HAL-PRM-LED-R7-4748, HAL-PRM-LED-R7-1247.

Evaluated to the following: A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Luminaires (UL-1598) and are identified with the ETL Listed Mark.

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Product Description

Title: ELECTRIC LUMINAIRES FOR USE IN HAZARDOUS LOCATIONS

Company: LARSON ELECTRONICS LLC - Kemp, TX USA

Product Information: Trade Name(s): Magna Light.

Lighting for use in Class I Division 2, Groups A, B, C and D, Class II Divison 1 and 2, Groups E,F and G, Class III hazardous locations, T5. Model Nos. HAL-PRM-LED-R4, HAL-PRM-LED-R1, HAL-PRM-LED-R5, HAL-PRM-LED-R6, HAL-PRM-LED-R2, HAL-PRM-LED-R3, HAL-PRM-LED-R7.

Evaluated to the following: A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Electric Luminaries for Use in Hazardous Locations (CAN/CSA-C22.2 No. 137) and are identified with the cETL Listed Mark.

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Product Description

Title: LUMINAIRES

Company: LARSON ELECTRONICS LLC - Kemp, TX USA

Product Information: Trade Name(s): Magna Light.

Surface-mounted Luminaire, Model Nos. HAL-PRM-LED-R4-1227, HAL-PRM-LED-R4-4748, HAL-PRM-LED-R4-1247, HAL-PRM-LED-R1-1227, HAL-PRM-LED-R1- 4748, HAL-PRM-LED-R1-1247, HAL-PRM-LED-R5-1227, HAL-PRM-LED-R5-4748, HAL-PRM-LED-R5-1247, HAL-PRM-LED-R6-1227, HAL-PRM-LED-R6-4748, HAL-PRM-LED-R6-1247, HAL-PRM-LED-R2-1227, HAL-PRM-LED-R2-4748, HAL-PRM-LED-R2-1247, HAL-PRM-LED-R3-1227, HAL-PRM-LED-R3-4748, HAL-PRM-LED-R3-1247, HAL-PRM-LED-R7-1227, HAL-PRM-LED-R7-4748, HAL-PRM-LED-R7-1247.

Evaluated to the following: A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Luminaires (CAN/CSA-C22.2 No. 250.0) and are identified with the cETL Listed Mark.; A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Luminaires (CAN/CSA-C22.2 No. 250.0) and are identified with the cETL Listed Mark.

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Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: EPLC2-PRM-LED Series
Description: Hazardous Area Flood LED Light

Evaluated Listings:

CE: DIRECTIVE 2014/35/EU - LOW VOLTAGE DIRECTIVE
CE: DIRECTIVE 2014/30/EU - EMC DIRECTIVE
CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

The EPLC2-PRM-LED Series complies with the essential protection requirements of the European Parliament of the Council Directive for Low Voltage Directive, EMC Directive, REACH Regulation, and RoHS Directive. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: EPLC2-PRM-LED Series
Description: Hazardous Area Flood LED Light

Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

This is to certify that products offered by Larson Electronics LLC comply with the Reduction of Hazardous Substances (RoHS) directives. Directive 2002/95/EC became effective on 1 July 2006. It restricts the use of six substances in the manufacture of electrical and electronic equipment. This directive was revised in June 2011 and is now referred to as directive 2011/65/EU. Directive 2015/863/EU amending Annex II to Directive 2011/65/EU announced plans to add four substances from 22 July 2019.

We hereby certify that the equipment specified above conforms to the Directive(s) by containing less of the restricted substances than the stated limits.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Declare the following equipment conforms to the standard(s) as listed:

Model: EPLC2-PRM-LED Series
Description: Hazardous Area Flood LED Light

Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION

This letter establishes the opinion of Larson Electronics LLC regarding the status, under the current European Union ("EU") Regulations on Registration, Evaluation, Authorization, and Restriction of Chemical Substances ("REACH").

REACH does not apply to manufactured products which are referred to as "completed articles". Substances (chemicals) are subject to REACH registration, NOT products.

In addition, Articles are exempt from the REACH requirements if (a) the Article does not contain a substance of very high concern or candidate substance in an amount exceeding 0.1% weight by weight, and (b) if substances present in the Article in excess of 1 ton per year per importer are not expected nor intended to be released.

Based on communication with our raw material suppliers, we conclude that to the best of our knowledge our products requiring REACH compliance do not contain any of the currently listed SVHC in concentrations of 0.1% or above.

Accordingly, we foresee no registration or pre-registration requirement for the products we supply.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: EPLC2-PRM-LED Series
Description: Hazardous Area Flood LED Light

Evaluated Listings:

FCC: Radio Frequency Emission & Authorization Status

The EPLC2-PRM-LED Series complies with Federal Communications Commission requirements for Radio Frequency Emission & Authorization Status. This product is not capable of emitting rf energy and does not require FCC authorization. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Frequently Asked Questions (FAQ)

There are no Faqs