

## **ATEX-EPSLED-80**

**Explosion Proof LED Strobe Light - Aluminum w/ Temp-resistant Glass - ATEX Zone 1, 21**

**Product ID: 149288**



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.

### **ATEX-EPSLED-80 Explosion Proof LED Strobe Lamp**

**Listing:** United States & Canada

**Lamp Type:** Solar LED

**Lamp Dimensions:** 15.4"-L x 9.29"-D

**Weight:** -

**Voltage:** 120-277V AC, 12V DC or 24V DC

**Total Watts:** 7W

**Candela:** 1,235

**LED Lamp Life Expectancy:** 50,000+ Hours

**Beam Angle:** 360°

**Lighting Configuration:** Strobing Flash

**Strobe Count:** 4 per Second

**Housing Material:** Aluminum Alloy

**Lens Material:** Temperature-resistant Pressed Glass

**Mounting:** Wall, Pendant and Trunnion Mount

**Hubs:** (2) 3/4" NPT

**Light Color Options:** Red, Green, Blue, Amber or White

### **Ratings/Approvals**

IECEX PTB 06.0049X

Ex de IIC T3, T4, T5, T6 1

PTB 03 ATEX 1096 (Zone 1)

Ex II 2 G EEx de IIC T. (Zone 1)

E II 2 D IP66 TO max. (Zone 21)

Saltwater Resistant Enclosure

### **Special Orders - Special Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

## **Made in Texas**

The ATEX-EPSLED-80 Explosion Proof LED Strobe Light from Larson Electronics is a reliable LED strobe lamp for flammable work sites and industrial facilities. This 7-watt strobe lamp offers 360 degrees of illumination and is ATEX rated for Zone 1 and 21. A cage guard protects the lens of the LED fixture during operation. Mounting options include wall, pendant or trunnion mount.

The ATEX-EPSLED-80 is a powerful LED strobe lamp for hazardous locations and remote sites. This ATEX-rated 7-watt lamp operates on 120-277V AC, 12V DC or 24V DC and features a strobing flash lighting configuration, at a rate of 4 strobe counts per second. This strobe light is constructed of aluminum with a temperature-resistant pressed glass lens. The saltwater resistant unit is ATEX rated for Zone 1 and 21 flammable environments. This level of protection offers safety in work sites where combustible gas, vapor or mist may exist during normal operations.

**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.

**Wiring/Mounting:** The ATEX-EPSLED-80 features two 3/4" NPT hubs for completing wiring connections to the LED strobe fixture. This unit is compatible with wall, pendant and trunnion mounting configurations. These options ensure maximum space-saving benefits and exposure of the LED strobe lamp during operation.

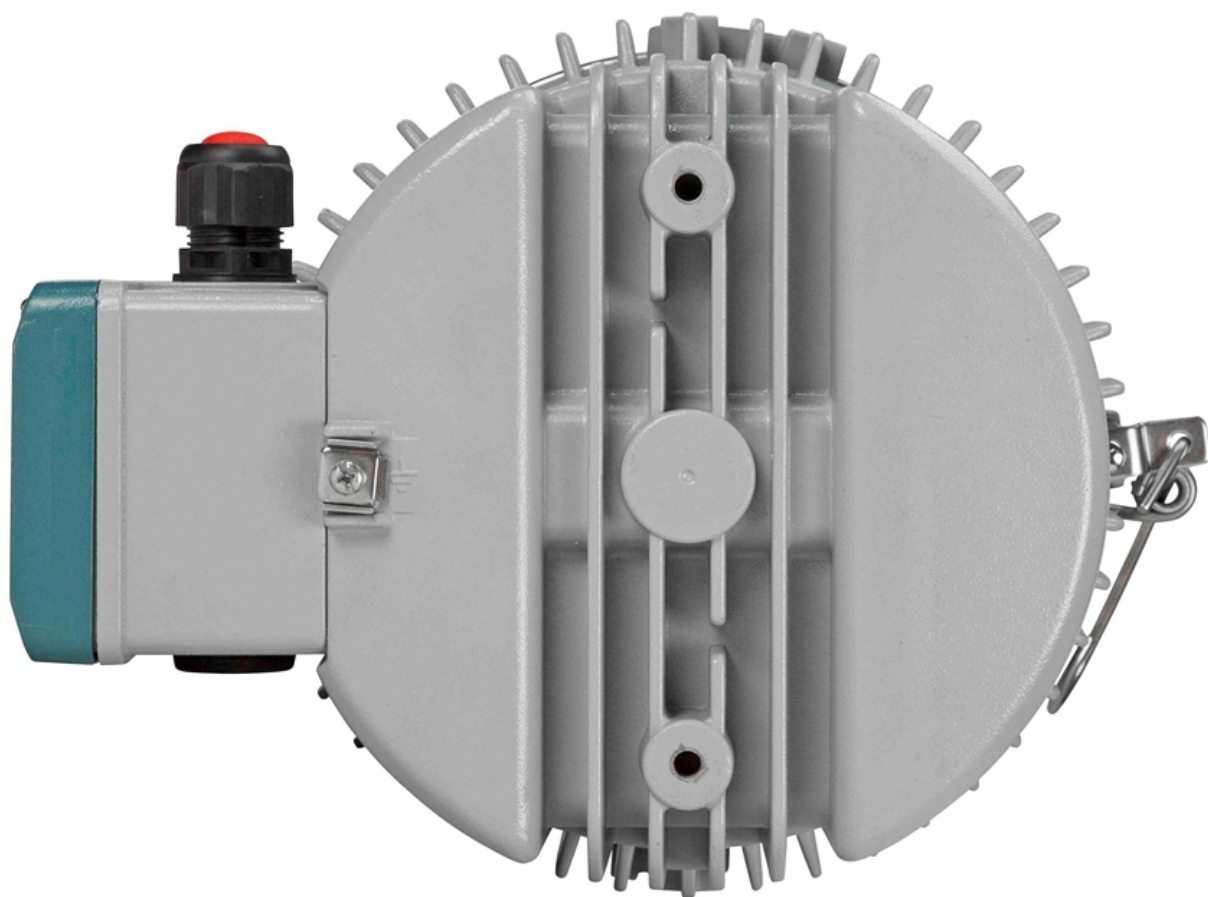
**Suggested Applications:** Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste treatment plants and more.

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](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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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: ATEX-EPSLED-80  
Description: Explosion Proof LED Strobe Light

The ATEX-EPSLED-80 flameproof light fixture is comprised of a CZ0871/2 series light fixture, wired and assembled to voltage and wiring per sku variants. Light fixture may include custom external mounting brackets, may be equipped with battery backup, and may include multiple LED modules. The ATEX-ATEX-EPSLED-80 complies with the essential protection requirements of the European Parliament of the Council Directive for ATEX Directive and IEC Ex certified. This certification applies to all specimens manufactured in accordance to the manufactures drawings.

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

Signature: *James Thomas*

Name: James Thomas  
Position: Operations Manager



## 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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**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 ATEX-EPSLED-80 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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### Evaluated Listings:

**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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### 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:

Name: James Thomas  
Position: Operations Manager



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**Evaluated Listings:**

**FCC:** Radio Frequency Emission & Authorization Status

The ATEX-EPSLED-80 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

## **Frequently Asked Questions (FAQ)**