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**EPSLED-MJ-15W-LED-C-3480-CM**

# 15W Explosion Proof Colored Strobe Light, C1D1, 347/480V, 2,250 lms, Ceiling Mount, Mason Jar / Jelly Jar Beacon

**Product ID: 276526**

**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.**

**EPSLED-MJ-15W-LED-C-3480-CM - Explosion Proof LED Beacon**
**Listing: NRTL Listed to United States, Canada**
**Lamp Technology: LED**
**Dimensions: 6.22"-OD x 13.5"-H**
**Weight: 10 lbs**
**Voltage: 347-480V AC 50/60 Hz**
**Total Watts: 15W**
**Total Lumens: 2,250 lms**
**Luminous Efficacy: 150 Lm/w**
**Lamp Life: 75,000+ Hours**
**LED Color: Red, Green, Blue, Amber, Purple, White 5000K, White 4500K, White 4000K, White 3500K or White 3000K**
**Color Rendering Index: >80 CRI**

**Lamp Type:** Integrated LED

**Lamp Base:** N/A
**Replacement Lamp:** -

**Beam Angle: 360°**

**Lighting Configuration: Flood Pattern**

**NEMA Type (Lighting): 7H x 7V**

**IES Classification: Type VS**

**Longitudinal Classification: Very Short**

**Cutoff Classification: Non-Cutoff**

**Ratings/Approvals**
Class I, Divisions 1 & 2, Groups C and D
Class II, Divisions 1 & 2, Groups E, F and G
Class III, Divisions 1 & 2
Certified to UL 844 Ed. 13
Certified to UL 1598
Certified to C22.2 No. 137 Rev 2009
Certified to C22.2 No. 250.0
Certified to C22.2 No. 30-M-1986 Rev 2012
IEC 60529 Tested

IP67 Rated Waterproof

LEL Approved
Replacement for Metal Halide, HPS, Mercury Vapor, Halogen, CFL and Incandescent Lamps
Pyramid Light Distribution
Field Serviceable

**CIE Type: Semi-Direct**

**BUG Rating: B1-U4-G2**

**Power Efficiency: >95%**

**Power Factor: 0.959**

**Amps: 0.043A @ 347V, 0.032A @ 480V**

**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**
**Lens Material: Hardened Borosilicate Glass**

**Gasket Material: Silicone**

**Mounting: Ceiling Mount - Other Mounts Available**

**Wiring: Internal Wiring Junction Box**

**Wiring Hub: (4) 3/4" NPT**

**Special Orders - Special Requirements**
Contact us for special requirements

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**The Larson Electronics EPSLED-MJ-15W-LED-C-3480-CM Explosion Proof LED Strobe Light Beacon provides operators with a powerful warning or signaling solution in hazardous locations and rugged environments. This 15-watt LED unit offers 2,250 lumens, carries an IP67 waterproof rating and is available in a variety of lamp colors. Compatible with ceiling mount installations, the mason jar style fixture is field serviceable and features pyramid light distribution that closely resembles traditional bulbs.**

The EPSLED-MJ-15W-LED-C-3480-CM is a Class I, Division 1 & 2 and Class II, Division 1 & 2 explosion proof strobe light that is designed for energy efficient and superior signaling in combustible environments. This 15-watt mason jar style fixture offers 2,250 lumens of high quality light. Color options for the LED light includes: red, green, blue, amber, purple, white 5000K, white 4500K, white 4000K, white 3500K or white 3000K. This compact fixture is a suitable replacement for metal halide, high pressure sodium, mercury vapor, halogen, CFL and incandescent lights. The LED unit features a pyramid configuration to ensure complete light distribution that closely represents light output of traditional bulbs (unlike other LED lights that utilize a flat board causing light to be pushed directly downwards). This solution promotes vertical lighting and reduces the limitations associated with directional lighting. We can add a metal reflector at an additional cost.

This lighting solution for explosive sites is IP67 rated, dust-proof and protected against high pressure jets and temporary submersion. The non-sparking housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LEDs and electronic components.

**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.

**LED Drivers:** Even in LED fixtures, heat is the single largest factor in premature light failure and color shifting. As a result, many manufacturers reduce the output of their LEDs in order to reduce the amount of heat produced. Rather than lower

light output or quality, Larson Electronics addresses this problem with the addition of an electronic LED driver. This internal driver provides the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. This not only reduces the energy dissipation, effectively lowering the operating temperature of the fixture, but also prevents AC over-voltage and short circuit loading making this fixture virtually maintenance free. Because the electronic driver allows the EPSLED-MJ-15W-LED-C-3480-CM to run at a cooler internal temperature and regulates the electrical current, energy efficiency and LED service hours are maximized while at the same time reducing operating costs and downtime incurred from the frequent servicing intervals required with other hotter running lights.

**Field Serviceability:** This explosion proof 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 the EPL-MJ series with 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:** This light is universal voltage capable and can be operated with 347-480 V AC without modifications. 347 V is common in Western Canada, while 480 V is common in the United States and Eastern Canada. The drivers in this unit provide the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These lights can operate on current ranging from 347 V to 480 V 50/60Hz without any modifications necessary as a result. This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in electrical systems which would otherwise result in burning up or premature LED failure without it.

**Mount:** This explosion proof mason jar style LED light fixture comes standard with ceiling mounting features. Several mounting options including wall, pendant, angled wall, angled stanchion and top hat/pan adapter mounts for replacing existing light fixtures can be ordered separately.

**Suggested Applications:** Hazardous locations, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, chemical manufacturing, waste treatment plants, gas processing 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 for more information about our custom options tailored to meet your specific industry needs.

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# Frequently Asked Questions (FAQ)







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**EPSLED-MJ-15W-LED-C-3480-CM**

**Product ID: 276526**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**EPSLED-MJ-15W-LED-C-3480-CM-Color**

**Example: EPSLED-MJ-15W-LED-C-3480-CM-RED**

| Color | |
|---|---|
| RED | -RED |
| GREEN | -GRN |
| BLUE | -BLU |
| AMBER | -AMB |
| PURPLE | -PRPL |
| WHITE 5000K | -50K |
| WHITE 4500K | -45K |
| WHITE 4000K | -40K |
| WHITE 3500K | -35K |
| WHITE 3000K | -30K |

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- Catalog Page - Product Series
- CE Certificate
- Certificate 1, Misc
- Dimensional Drawing 2D
- MSDS (Material Safety Data Sheet
- Photometric Polar Graph
- RoHS Certificate (Restriction of Hazardous Substances)
- STEP File (3D CAD Model)
- TM21
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map