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Product ID: 235616

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



Image:

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-EPL-TL-2X10W-C-GA.RX-MOD1 Explosion Proof LED Stack Light

Listing: United States, Canada, Europe, Asia
Lamp Technology: LED
Dimensions: -
Weight: -
Voltage: 120-277 Volts AC, 11 or 25 Volts DC or AC
Watts: 20W
Lumens: -
Luminous Efficacy: -
Lamp Life: 50,000+ Hours
Lamp Color: Green/Red (other color configurations available upon request)
Color Rendering Index: -
Lamp Type: -
Lamp Base: -
Replacement Lamp:-
Beam Angle: -
Lighting Configuration: Steady Burn or Strobe - Mix/Match available
Power Efficiency: -
Power Factor: -
Lettering/Symbols: Right Arrow (Green Lamp), 'X' "Gas Discharge - DO NOT ENTER" and "Evacuate Area Immediately" (Red Lamp)
Amps: -

Ratings/Approvals

ATEX/IEC Ex Rated
IEC Ex - EX de II C T* Gb
ATEX - Ex II 2 GD Ex de II C T* Gb
ATEX - Ex II 2 GD Ex tb IIIC T80C Db
IEC EX - Ex tb IIIC T80C Db
IP66 (Waterproof)
New York City Department of Buildings approved

Ambient Operating Temp Range: -40°C to +85°C
Operating Temp Rating: T3C
Materials: Non-sparking Aluminum
Mounting: Predrilled Aluminum Flat Surface Mounting Bracket
Mounting Dimensions: 22"L x 22"H x 12"D
Wiring: 10' SOOW Cable w/ Flying Leads

Special Orders - Special Requirements
Contact us for special requirements
Intl: 1-903-270-1187
Toll Free: 1-800-369-6671
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The ATEX-EPL-TL-2X10W-C-GA.RX-MOD1 Explosion Proof Two-Color LED Light from Larson Electronics is approved for use in wet locations and marine environments. Suitable for ATEX/IECEx rated flammable sites, this explosion proof LED light is designed for use in industrial and commercial environments.

The ATEX-EPL-TL-2X10W-C-GA.RX-MOD1 explosion proof LED light from Larson Electronics is an ideal indicator lighting solution for for industrial refueling stations, manufacturing facilities and so on. The light housings are constructed with a polyester powder coated copper free aluminum casting that can withstand 1490 pounds PSI hydrostatic pressure. The mounting plate is constructed of non-sparking aluminum and can be custom built to customer specifications. This explosion proof green and red indicator light has a 50,000 hour operational life and is available in 120-277V AC and 11 or 24V DC or VAC configurations for standard or low voltage operation.

This explosion proof indicator light system is designed to be used in conjunction with weight switches, momentary push buttons, or other customer provided equipment. A green LED lamp on the left side illuminates an arrow signaling to move forward. A red LED lamp on the right side illuminates an "X" with the following text: "Gas Discharge - DO NOT ENTER" and "Evacuate Area Immediately" signaling to stop. The green LED is connected to a normally closed circuit, while the red is connected to a normally open circuit. This means that, when the circuit is open, the red lamp will illuminate and when the circuit is closed, the green lamp will illuminate. This system is connected to customer provided pressure plates, such as weight stations and paint booths. When a vehicle or load is on the pressure plate, the circuit to the lamp is open, which activates the red "X" with the following text: "Gas Discharge - DO NOT ENTER" and "Evacuate Area Immediately" signaling for the vehicle to stop. When the vehicle or load is moved off the sensor, the circuit closes which activates the green arrow, signaling for the vehicle to go.

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.

ATEX / IEC Ex Ratings: The ATEX-EPL-TL-2X10W-C-GA.RX-MOD1 is an ATEX / IEC Ex rated light

fixture. It features the following ratings: IEC EX - EX de II C T* Gb, IEC EX - Ex tb IIIC T80C Db, ATEX - Ex II 2 GD Ex de II C T* Gb, and ATEX - Ex II 2 GD Ex tb IIIC T80C Db.

This explosion proof LED light carries a T3C temperature rating and has a -40°C to +85°C ambient operating temperature range.

Unlike traditional indicator lamps that use a colored globe with low color temperature incandescent lamps, this explosion proof LED stack light incorporates a clear glass globe and colored LED lamps. By utilizing colored LEDs instead of tinted lenses or globes, the total visibility and light output is increased when compared to traditional colored lamps. This is particularly important for strobe configurations, increasing the peak candela of the signal during indications. The standard lamp configuration is red and green LED bulbs in a steady burn or strobing configuration.

This hazardous location LED warning sign light is configured for green and red output (one lamp each color), offers exceptional lumen output, a 50,000+ hour life span, and the lamps are protected by Pyrex globes and polycarbonate globe guards. The LED lamps in this indicator light are 10 watts each and offer cool operation and clean bright output that surpasses that of 100 watt incandescent indicator lamps. The ATEX-EPL-TL-2X10W-C-GA.RX-MOD1 is designed for resistance to the damaging and corrosive effects of chemicals with polycarbonate construction instead of metal, and is ideal for locations where these hazardous compounds are commonly encountered.

Wiring: Line-in supply power is provided by 10` of 16 AWG SOOW cable with flying leads. Individual leads per lamp allow independent operation, making this unit ideal for fuel depots and manufacturing facilities where status indicators are necessary. The individual leads can be connected to user provided terminal blocks or existing indicator systems.

Mounting: Mounting is provided by a heavy gauge aluminum base with four predrilled holes designed to be bolted to walls and flat surfaces for permanent and secure attachment.

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)

There are no Faqs

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Product ID: 235616

Export Control Classification Number (ECCN): EAR99

Options:

-Voltage
Example: -1227

Voltage	
120-277V AC	-1227
11V AC	-12VAC
25V AC	-24VAC
11V DC	-12VDC
25V DC	-24VDC

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/235616.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)