

EPL-TL-3X10W-C

Explosion Proof Traffic Light - Class 1 & Class 2 Signal Stack Light - Red, Yellow, Green Stop & Go

Product ID: 69071

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



Image: EPL-TL-3X10W-C

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-TL-3X10W-C Explosion Proof LED Stack Light

Lamp Type: LED

Dimensions:

Wattage: 10 Watts per Lamp - 30 Watts Max

Lamp Color: Red, Amber, Green (other color configurations available upon request)

Voltage: 120-277 Volts AC, 11 or 25 Volts DC or AC

Mounting: Predrilled Aluminum Flat Surface Mounting Bracket

Temp Rating: T3C

Lighting Configuration: Steady Burn, Strobe, Configuration 1 (Lamp 1: Strobe, Lamp 2: Strobe, Lamp 3: Steady Burn)

Lamp Life: 50,000+ Hours

Wiring: 10' SOOW Cable w/ Flying Leads

Ratings/Approvals

Listed for United States & Canada

Class 1, Division 1 & 2, Groups C and D

Class 2, Division 1 & 2, Groups E, F and G

Class 3, Division 1 & 2

IP67 (water proof)

T3C Temperature Rating

New York City Department of Buildings approved

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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E-mail: sales@larsonelectronics.com

Made in the USA

The EPL-TL-3X10W-C Class 1, Division 1 and Class 2 Division 1 LED Signal Stack Light from Larson Electronics is approved for use in wet locations and marine environments. This explosion proof LED stack light is designed for routing traffic and signaling, and visual indications in industrial refueling stations and process status indication in manufacturing facilities.

The EPL-TL-3X10W-C explosion proof LED traffic light from Larson Electronics is an ideal indicator lighting solution for industrial refueling stations and manufacturing facilities. 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 red and green indicator light has a 50,000 hour operational life and is available in 120-277 VAC and 11 or 24 VDC or VAC configurations for standard or low voltage operation.



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

This explosion proof LED stack light carries a T3C temperature rating and has a -40°C to +85°C ambient operating temperature range. The EPL-TL-3X10W-C is Class 1, Class 2, Class 3, Division 1 & 2 approved. 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.

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, amber, and green LED bulbs in a steady burn or strobing configuration. We offer a large assortment of lamp color options including red, green, blue, amber, purple, and white LED lamps. Please contact us for special lamp configurations. These stack lights can also be configured with audible horns.

Commonly used color codes for indicators:

- Red: Stop / Failure conditions, such as an emergency stop or machine fault
- Yellow: Caution / Warnings, such as over-temperature or over-pressure conditions
- Green: Go / Normal machine or process operation
- Blue: External help request / Operator/Supervisor required / Maintenance personnel assistance required

- **White:** User-defined conditions specific to application and environment
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Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

This explosion proof fixture is configured for red, amber, and green output (one lamp each color) offers exceptional lumen output, a 50,000+ hour life span, and the lamps are protected by Pyrex globes and cast aluminum globe guards. The LED lamps in this traffic light are 10 watts each and offer cool operation and clean bright output that surpasses that of 100 watt incandescent indicator lamps. Mounting is provided by a heavy gauge aluminum back plate fabricated from copper free aluminum with four predrilled holes designed to be bolted to walls, ceilings, and flat surfaces for permanent and secure attachment.

Note on Lights: Please note, the color choices and light configuration of this unit can be customized to your requirements. We offer steady burn or strobing LED lamps, as well as high or low voltage configurations. Please contact us for special color configurations.

Voltages: 120-277VAC 50/60Hz, 11 or 25V AC/DC

Temp Code: Class 1 T3C Groups C,D : Class 2 - T3C Groups E,F,G



Frequently Asked Questions (FAQ)

There are no Faqs



Image: EPL-TL-3X10W-C EPL-TL-3X10W-C Explosion proof LED stack light



Image: EPL-TL-3X10W-C EPL-TL-3X10W-C Explosion proof traffic light



Image: EPL-TL-3X10W-C EPL-TL-3X10W-C Waterproof LED traffic light



Image: EPL-TL-3X10W-C EPL-TL-3X10W-C Explosion proof LED light carries a T3C temperature rating

EPL-TL-3X10W-C

Product ID: 69071

Export Control Classification Number (ECCN): EAR99

Options:

EPL-TL-3X10W-C-Voltage-Beam Config-Lamp Colors

Example: EPL-TL-3X10W-C-1227VAC-STB-RED.YLW.GRN

Voltage		Beam Config		Lamp Colors	
120-277VAC	-1227VAC	STEADY BURN	-STB	RED/YELLOW/GREEN	-
12VDC	-12VDC	STROBE	-STROBE		RED.YLW.GRN
24VDC	-24VDC	CONFIG1	-CFG1	YELLOW/AMBER/RED	-
12VAC	-12VAC				YLW.AMB.RED
24VAC	-24VAC			RED/AMBER/BLUE	-RED.AMB.BLU
				AMBER/GREEN/AMBER	-
					AMB.GRN.AMB
				RED/WHITE/BLUE	-RED.WH.BLU

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(<https://www.larsonelectronics.com/images/product/CECCert/69071.PDF>)
- **CE Certificate**(<https://www.larsonelectronics.com/images/product/CECert/69071.PDF>)
- **Certificate 1, Misc**(<https://www.larsonelectronics.com/images/product/Cert1/69071.PDF>)
- **Certificate 2, Misc**(<https://www.larsonelectronics.com/images/product/Cert2/69071.PDF>)
- **Certificate 3, Misc**(<https://www.larsonelectronics.com/images/product/Cert3/69071.PDF>)
- **Dimensional Drawing 2D**(<https://www.larsonelectronics.com/images/product/DimensionalDrawing/69071.PDF>)
- **MSDS (Material Safety Data Sheet)**(<https://www.larsonelectronics.com/images/product/Msds/69071.PDF>)
- **Operations Manual**(<https://www.larsonelectronics.com/images/product/Manual/69071.PDF>)
- **RoHS Certificate (Restriction of Hazardous Substances)**(<https://www.larsonelectronics.com/images/product/RoHSCert/69071.PDF>)
- **SpecSheetSpanish**(<https://www.larsonelectronics.com/images/product/SpecSheetSpanish/69071.PDF>)
- **STEP File (3D CAD Model)**(<https://www.larsonelectronics.com/images/product/Step/69071.ZIP>)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(<https://www.larsonelectronics.com/images/product/NECCert/69071.PDF>)
- **Wiring Diagram**(<https://www.larsonelectronics.com/images/product/WiringDiagram/69071.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/69071.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/69071.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/69071.JPG>)
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- **HigResPic6**(<https://www.larsonelectronics.com/images/product/HigResPic6/69071.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=Ku4JYik0XPk>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
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