

25W Explosion Proof Blue LED Indicator Light- C1D1-2 - C2D1-2 - Aluminum Housing- 9-60VDC - 10' Cord

Part #: [EXHL-TRN-LE4-BLU-1224-EYM-10C](#)



Made in Texas

The EXHL-TRN-LE4-BLU-1224-EYM-10C from Larson Electronics is an Explosion Proof Low Voltage Blue LED Indicator Light that produces 2,250 lumens while drawing only 25 watts. The EXHL-TRN-LE4-BLU-1224-EYM-10C is Class I, Divisions 1 & 2, Groups B, C, D, Class I, Zones 1 & 2, Groups IIB+H2, IIA, Class II, Divisions 1 & 2, Groups E, F, G and Class III Divisions 1 & 2 rated for hazardous areas and is listed for use worldwide including the United States, Canada, Europe and Asia. This explosion proof LED light offers 9 to 60-volt universal compatibility, which includes commonly used 12V DC and 24V DC voltages.

The EXHL-TRN-LE4-BLU-1224-EYM-10C produces 2,250 lumens of intense LED light. This 25-watt unit, which operates on universal 9-60V DC, features a small form factor (SFF) design for easy installation in tight spaces and non-intrusive operation in busy facilities, making it ideal for applications where electrical power and mounting space is at a premium. Five 5-watt blue LEDs producing 450 lumens each are combined with high purity optics to produce a narrow 5° degree spread spot beam, providing a high intensity center beam which is visible during daytime and nighttime operations. An adjustable surface mount mechanism allows operators to control the direction of the beam by tilting the unit towards the desired target.

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.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED's core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 100% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

Durability: The EXHL-TRN-LE4-BLU-1224-EYM-10C explosion proof LED light fixture from Larson Electronics is rated NEMA Type 3, 4, 4X, 7 (B,C,D) and 9 (E,F,G) and designed to withstand the rigors of demanding environmental and operating conditions while remaining lightweight and easy to use. These units can operate in temperatures of -40° Celsius to 60° Celsius, are waterproof to 3 meter and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The LEDs offer inherent LED resistance to shocks and vibrations.

Mounting: This explosion proof LED indicator light features an adjustable surface mount bracket for seamless control. The included adjustable flat surface bracket has two set screws on the bracket, allowing operators to loosen the mounting bracket, adjust the light's tilt orientation, and retighten to hold the luminary in position. A single thru-hole mounting bolt allows operators to adjust the rotation of the fixture by loosening one bolt.

Wiring: The EXHL-TRN-LE4-BLU-1224-EYM-10C is equipped with an EYM sealoff and a 10' cord terminated in flying leads for easy connection to low voltage power sources.

Applications: Situations that require a reliable LED indicator light inside a hazardous area.

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.

Specifications / Additional Information

EXHL-TRN-LE4-BLU-1224-EYM-10C 25W Explosion Proof Blue LED Indicator Light

Lamp Type: LED Indicator Light

Ratings/Approvals

Listed for United States, Canada, Europe, Asia

Dimensions: 8"L x 6"W x 14"H

Watts: 25W

Voltage: Universal 9-60 Volts DC

Lumens: 2,250

Luminous Efficacy: 90 Lm/W

LED Light Color: Blue

LED Life Expectancy: 50,000 hours

Lighting Configuration: 5° Spot

LED Drive %: 90%

Amps: 2.09 @ 12V DC - 1.05 @ 24V DC

Class I, Div. 1 & 2, Groups B, C, D

Class I, Zones 1 & 2, Groups IIB+H2, IIA

Class II, Div. 1 & 2, Groups E, F, G

Class III, Div. 1 & 2

NEMA Type 3, 4, 4X, 7 (B,C,D), 9 (E,F,G)

ATEX Ex II 2 G / D

IECEX db IIC Gb

IECEX tb IIC Db IP66

Visible With High Illuminate Warehouse Lighting

Ambient Operating Temp Range: -40°C to +60°C

Housing Material: Aluminum

Light Housing Color: Powder Coated - Grey

Lens Material: Polycarbonate

Mounting: Adjustable Surface Mount Bracket w/ Set Screws

Wiring: EYM Seal-Off w/ 10` Cord Terminated in Flying Leads

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

E-mail: sales@larsonelectronics.com

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Links (Click on the below items to view):

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- [Hi Res Image 2 - 25W Explosion Proof Blue LED Indicator Light Front Angle](#)
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- [Hi Res Image 4 - 25W Explosion Proof Blue LED Indicator Light Back Angle](#)
- [Hi Res Image 5 - 25W Explosion Proof Blue LED Indicator Light On](#)
- [Hi Res Image 6 - 25W Explosion Proof Blue LED Indicator Light Side Angle 2](#)
- [Hi Res Image 7 - 25W Explosion Proof Blue LED Indicator Light Bottom Angle](#)
- [Hi Res Image 8 - 25W Explosion Proof Blue LED Indicator Light Front Close Up](#)
- [Hi Res Image 9 - 25W Explosion Proof Blue LED Indicator Light 3/4 Back Angle](#)
- [Hi Res Image 10 - 25W Explosion Proof Blue LED Indicator Light 3/4 Front Angle](#)