

25W Explosion Proof Rechargeable Amber Forklift LED Warning Light- C1D1-2 - C2D1-2 - Aluminum

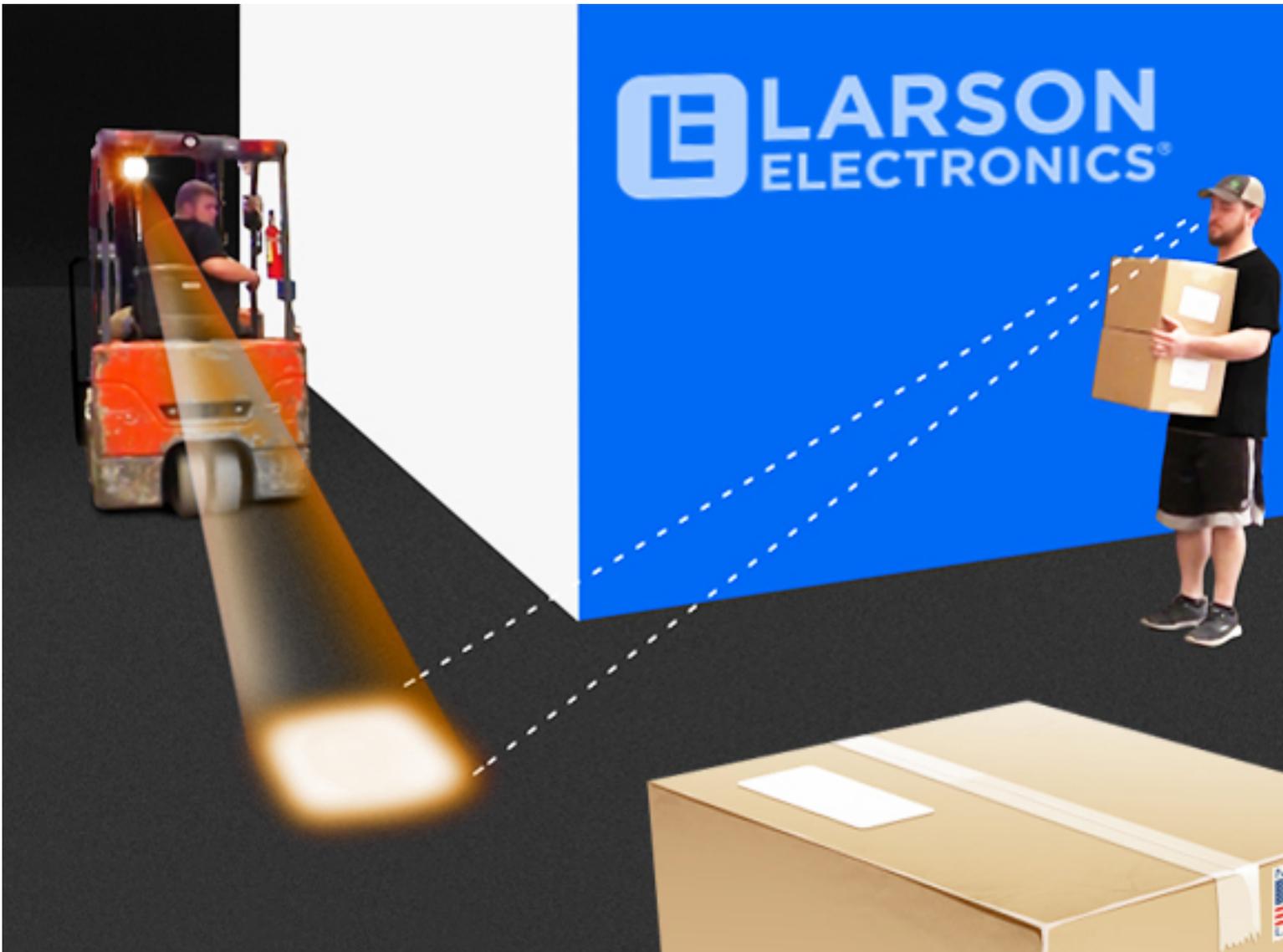
Part #: EXHL-TRN-RPS-LE4-FKWL-AMB-M



Made in Texas

The EXHL-TRN-RPS-LE4-FKWL-AMB-M from Larson Electronics is an Explosion Proof Rechargeable Amber Forklift LED Warning Light that produces 2,250 lumens while drawing only 25 watts. Forklift operators may use this compact luminary to notify nearby pedestrians and workers about ongoing forklift operations. The EXHL-TRN-RPS-LE4-FKWL-AMB-M 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 8 hours of runtime from the 8.8aH lithium ion rechargeable battery.

The EXHL-TRN-RPS-LE4-FKWL-AMB-M produces 2,250 lumens of intense amber LED light for real-time visual notification of forklift operations. This 25-watt rechargeable unit, which operates on a 8.8aH lithium ion rechargeable battery, 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 amber 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 magnet mount mechanism allows operators to control the direction of the beam by tilting the unit towards the desired target.



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Standard forklift warning systems consist of strobe lights or audible alarms. Strobe lights may not always be visible with high illumination settings. The strobe lights on forklifts, depending on the position of the light, can be a hindrance to the forklift operator by reducing the visibility due to continual contrasting from the strobe light. Audible alarms, such as backup alarms, are the most disliked warning system for forklifts, especially operators and pedestrians within work forces that have to listen to this alarm continually throughout the work day. Both strobe lights and audible alarms are often ignored due to conditioning of the warning system from day to day exposure. The EXHL-TRN-RPS-LE4-FKWL-AMB-M addresses both the above issues, providing a new system that is not obnoxious and will not get on the nerves of employees, while providing the warning indication required by OSHA to keep employees and pedestrians within the work force safe.

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-RPS-LE4-FKWL-AMB-M explosion proof rechargeable 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 warning 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.

Operation: The EXHL-TRN-RPS-LE4-FKWL-AMB-M runs on a 8.8aH lithium ion rechargeable battery. The battery offers 8 hours of runtime before recharging is required.

Applications: Forklift operations in hazardous locations, warehouses, delivery bays; warning nearby pedestrians or workers of ongoing forklift operations; ease compliance with industrial safety standards 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.

Specifications / Additional Information**EXHL-TRN-RPS-LE4-FKWL-AMB-M Explosion Proof Amber Forklift LED Warning Light****Lamp Type:** LED**Dimensions:** 18"W x 8"D x 6"H**Ratings/Approvals**

Listed for United States, Canada, Europe, Asia

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

Watts: 25W

Battery: 8.8aH Lithium Ion Rechargeable

Lumens: 2,250

Luminous Efficacy: 90 Lm/W

LED Light Color: Amber

LED Life Expectancy: 50,000 hours

Lighting Configuration: 5° Spot

LED Drive %: 90%

Runtime: 8 Hours

Contact us for special requirements

Special Orders- Requirements

Toll Free: 1-800-369-6671

Intl: 1-903-498-3363

E-mail: sales@larsonelectronics.com

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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

Warn Pedestrians of Oncoming Vehicles

Visible With High Illuminate Warehouse Lighting

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

Weight: 30 lbs

Housing Material: Aluminum

Light Housing Color: Powder Coated - Grey

Lens Material: Polycarbonate

Mounting: Magnet Mount

Links (Click on the below items to view):

- [Hi Res Image 1 - 25W Explosion Proof Rechargeable Red Forklift LED Warning Light](#)