

LEDWL-ZN-FKLT-RED-EE-1227-12V

27W LED Type EE Forklift Zone Light - Pedestrian Safety - Red Light - 120/277V AC 50/60 Hz to 12V

Product ID: 273147

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.

LEDWL-ZN-FKLT-RED-EE-1227-12V LED Type EE Forklift Zone Light

Unit Type: CREE LED (Red)

Dimensions: 5.77" x 2.39" x 2.12"

Weight: -

Voltage: 90-305V AC 50/60 Hz and 127-431V DC - Stepped down to 12V DC

Current: 12V @ 2.2A

Watts: 27W

Lumens: 2,350

LED Life Expectancy: 50,000+ Hours

Beam Type: Red Zone Line

Beam Profile: 30° x 1.5° @ 15° (Height)

Housing: Die-cast Aluminum Alloy

Lens: Polycarbonate

Mounting: 304L SS Brackets

Wiring: 20' Wiring Harness w/ Deutsch Connector

Color: Black

Features/Ratings

Pedestrian Safety

LED Zone Lights

Low Profile

Approved for Type EE Forklifts

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

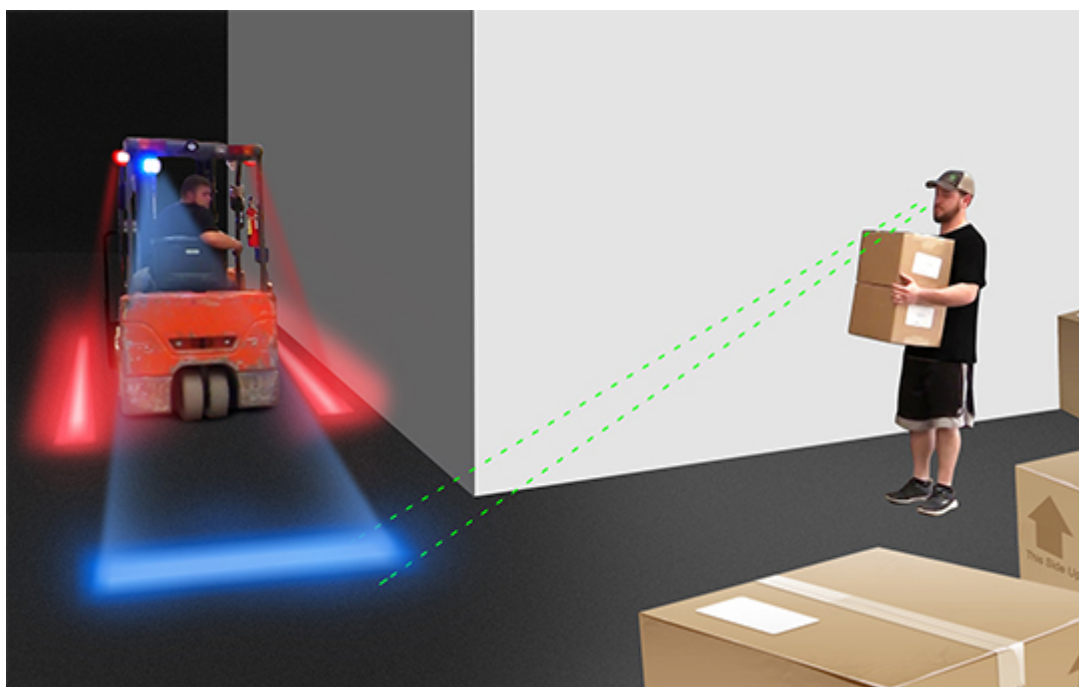
E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics LEDWL-ZN-FKLT-RED-EE-1227-12V LED Type EE Forklift Zone Light is suitable for illuminative safety on type EE forklifts in

busy work sites, such as warehouses and delivery bays. This LED fixture consumes 27 watts and emits 2,350 lumens of red light during operation. The low profile LED mounts on type EE forklifts and surfaces via two 304L stainless steel brackets.

The LEDWL-ZN-FKLT-RED-EE-1227-12V is a powerful LED zone light for type EE forklifts and operational safety in industrial facilities. This 27-watt unit emits 2,350 lumens of red light during use. Compared to a laser safety light, the LED fixture provides a wider zone line for enhanced visibility and detection. At a height of 15 feet, the LED lamp provides a 30' x 1.5' beam configuration. This high voltage unit operates on universal voltage, allowing input power sources within a range of 90-305V AC @ 50/60 Hz as well as 127-431V DC to operate this zone light without the need for changing taps or modifications to the power supply.



[Click Photo to Enlarge](#)

Constructed of die-cast aluminum alloy, the LED pedestrian safety light features a polycarbonate lens. A type EE forklift may incorporate this LED light at the front, back or both ends of the type EE forklift body. Alternatively, operators may also install a blue version of this zone light (LEDWL-ZN-FKLT-BLU) for multi-colored safety lighting or as a standalone blue type EE forklift safety lamp.

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.

Voltage: 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 LED lights can operate on current ranging from 9 to 60V DC without any modifications necessary as a result. (10-100V AC and 10-100V AC available upon request). 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.

Durability: The LEDWL series LED lights Larson Electronics offer IP67 rated construction that is designed to withstand the rigors of demanding of environmental and operating conditions yet are lighter and smaller than our LEDLB-E series of extreme duty light bars. The this series is designed to provide a low profile, light weight, high performance light bar that can be mounted where other lights will not fit. These units can operate in temperatures of -40° Celsius to 80° Celsius, are waterproof to 1 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 contributing to these units 15.6Grms rating of vibration tolerance.

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.

Mounting/Wiring: The LEDWL-ZN-FKLT-RED-EE-1227-12V can mounted on type EE forklifts and surfaces using two included 304L stainless steel brackets located at the bottom of the LED lamp, which can be secured using two screws (holes provided). Once mounted, operators can adjust the position of the LED zone light accordingly to match their preferences. This unit comes with a power cord for completing electrical connections.

Power: The LEDWL-ZN-FKLT-RED-EE-1227-12V LED forklift zone light is equipped with Deutsch connector and a 20' wiring harness. The external power supply is remote mountable. Operators can install the power supply between the light and the control station. The external power supply is designed to be hardwired and operates on voltages ranging from 120-240V AC.

Applications: Pedestrian safety, type EE forklift operations, zone lights, warehouses, compact vessels, carts, illuminative safety, industrial buildings and more.

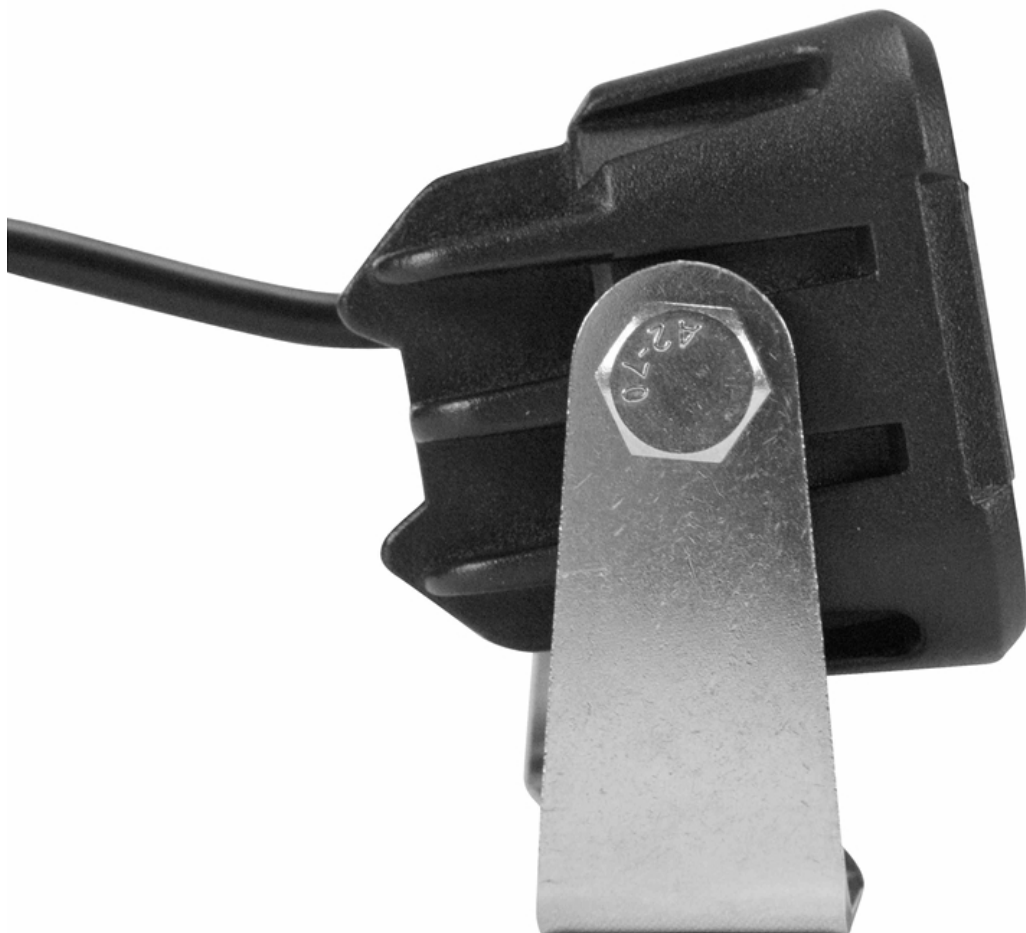
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Frequently Asked Questions (FAQ)









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Product ID: 273147

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Operations Manual](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
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- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)