

27W LED Crane Zone Light - Pedestrian Safety - Blue Light - 10-100V DC - Aluminum Alloy

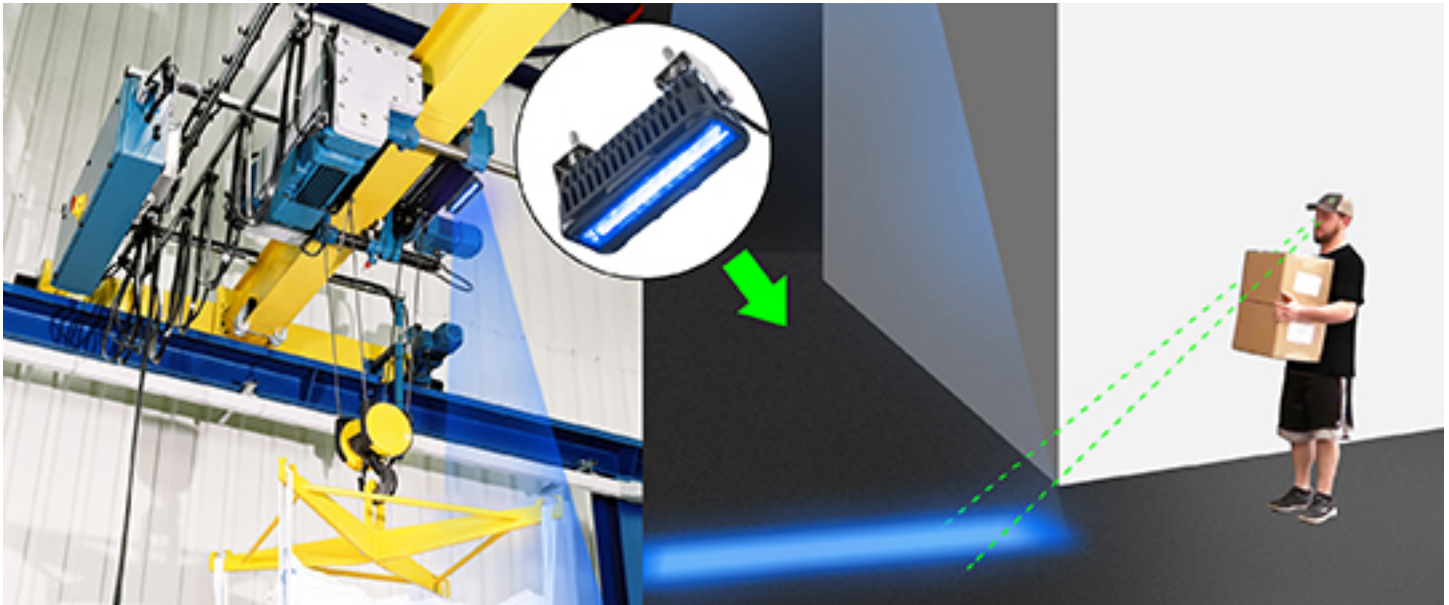
Part #: LEDWL-ZN-CRN-BLU



Made in the USA

The Larson Electronics LEDWL-ZN-CRN-BLU LED Crane Zone Light is suitable for illuminative safety on cranes in busy work sites, such as construction, large-scale shipping operations and manufacturing plants (overhead cranes). This LED fixture consumes 27 watts and emits 2,350 lumens of blue light during operation. The low profile LED mounts on cranes and surfaces via two 304L stainless steel brackets.

The LEDWL-ZN-CRN-BLU is a powerful LED zone light for cranes and operational safety in industrial facilities. This 27-watt unit emits 2,350 lumens of blue 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. Operating on 10-100V DC, the LED pedestrian safety light is compatible with a range of standard low voltages, including 12V, 24V, 36V and 48V.



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Constructed of die-cast aluminum alloy, the LED pedestrian safety light features a polycarbonate lens. A heavy-duty crane may incorporate this LED light at the front, back or both ends of the structure. Alternatively, operators may also install a red version of this zone light (LEDWL-ZN-CRN-RED) for multi-colored safety lighting or as a standalone red crane 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.

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.

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: As well as unparalleled heat control, the LEDP WRE series of LED lights from Larson Electronics also offer IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40 degrees Celsius to 85 degrees Celsius, are waterproof to three meters and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The CREE XLamp XM-L® LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,000 hours of use.

Mounting/Wiring: The LEDWL-ZN-CRN-BLU can be mounted on cranes 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.

Applications: Pedestrian safety, crane operations, zone lights, overhead cranes, shipping, construction sites, manufacturing plants, large-scale installations, illuminative safety, industrial buildings 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

LEDWL-ZN-CRN-BLU LED Crane Zone Light

Unit Type: CREE LED (Blue)

Dimensions: 5.77" x 2.39" x 21.2"

Weight: -

Voltage: 10-100V DC

Current: 12V @ 2.2A

Watts: 27W

Lumens: 2,350

LED Life Expectancy: 50,000+ Hours

Beam Type: Blue Zone Line

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

Housing: Die-cast Aluminum Alloy

Lens: Polycarbonate

Mounting: 304L SS Brackets

Wiring: Power Cord

Color: Black

Features/Ratings

Pedestrian Safety

LED Zone Lights

Low Profile

Special Orders- Requirements

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- [Manual](#)
- [BeamInfo](#)
- [Hi-Res Image 1- LED Zone Light](#)
- [Hi-Res Image 2- LED Zone Light](#)
- [Hi-Res Image 3- LED Zone Light](#)
- [Hi-Res Image 4- LED Zone Light](#)
- [Hi-Res Image 5- LED Zone Light](#)