

LZRWL-GRN-50MW

50mW Machine Vision Laser - Green Pedestrian Safety Laser - Projects Green Line on Floor - IP54

Product ID: 147498

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.

LZRWL-GRN-50MW Machine Vision Laser

Light Type: Green Laser

Dimensions: 9"H x 7.6"D x 7.4"Diameter

Weight: 5 lbs

Voltage: 12V DC

Total Milliwatts (mW): 50

LED Lamp Life Expectancy: 10,000 hours

Laser Configuration: Adjustable from 30° to 90°

Ambient Operating Temperature: -40°C to +50°C

Housing Material: Aluminum

Lens Material: Acrylic

Mounting: Surface Mount Bracket

Wiring Hub: Pigtail/Flying Leads

3 year warranty replacement on this laser warning light. After 30 days, the customer ships the failed laser warning light to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed laser is returned, Larson Electronics will ship a new replacement.

Quick Summary

Increases Safety Around Machines
Projects High-Vis Green Line on Floor
Easy to Mount
Compact and Lightweight
10,000+ Hour Service Life

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

Buy American Compliant

The LZRWL-GRN-50MW from Larson Electronics is a Green Machine Vision

Laser that is ideal for indicating machine operating zones or when machines are in active operation and caution should be used around them. The warning laser lines also provide a visual indicator of an operating or in use machine when audible warnings may go unheard or unheeded. This compact 50mW laser produces a high-visibility line of green light that projects on the ground, operates on 12V DC, has a low amp draw and has a 10,000 hour service life providing operators with a versatile and powerful laser safety lighting system.

The LZRWL-GRN-50MW machine vision light from Larson Electronics is a powerful laser pointer equipped with a special optic in front that allows it to project a line of light instead of just a single dot. It is adjustable for angle between 30° and 90° to project an angled line onto the floor in front of the machine at varying distances depending on the specific work area. This particular unit is compact at only 7.4 inches in diameter by 9 inches tall by 7.6 inches deep, which makes it ideal for applications where electrical power and mounting space is at a premium.

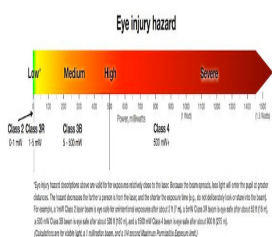
The LZRWL-GRN-50MW machine vision lasers are weatherproof, sealed against intrusion by dust and dirt and very ruggedly constructed to withstand the most demanding environments, conditions and applications. A small profile, low power requirements, high durability and versatile mounting makes these machine vision lasers ideal for industrial manufacturing applications. This product will add an additional level of safety to the industrial environment by warning pedestrians of a machine's location or when a machine is operating or in use when sound warnings may not be enough.

Voltage: The LZRWL-GRN-50MW operates on 12V DC voltages for output power.

Durability: This machine vision laser is built to be durable and long lasting. The laser itself is rated for a 10,000 hours service life. The housing is industrial grade and rugged enough for heavy use and providing a safety indicator to people walking near the forklift in many different conditions. The LZRWL-GRN-50MW is rated as IP54 weatherproof and can be used in outdoor applications.

Mounting: These machine vision lasers feature a small profile and lightweight, making them ideal for use in locations where traditional lights cannot fit or would block other mounted equipment. The LZRWL-GRN-50MW features an adjustable U-bracket with a predrilled mounting thru-hole. The thru-hole bolt mounting design allows operators to rotate the bracket after mounting to accommodate any required mounting angle. Operators simply loosen the mounting bolt, adjust the angle of the mounting bracket to the ideal position and then retighten the bolt. The U-bracket on the LZRWL-GRN-50MW also allows the laser to be oriented 180° vertically after mounting. This innovative mounting design allows this machine vision laser to be an extremely versatile addition to workplace safety.

The LZRWL-GRN-50MW can be mounted in several configurations on a machine depending on the specific needs of the operator or the work space in which the machine commonly operates. This machine vision laser can be mounted on the side of a machine to project defined lines on the ground along the sides of the operating zone. The operator can then adjust the angle of the laser to change the distance the beam of light will be from the machine itself. Another option is to mount a laser on each side of the machine to create a "box" around the entire machine to indicate the danger zone that should be avoided by pedestrians.



[Click Photo to Enlarge](#)

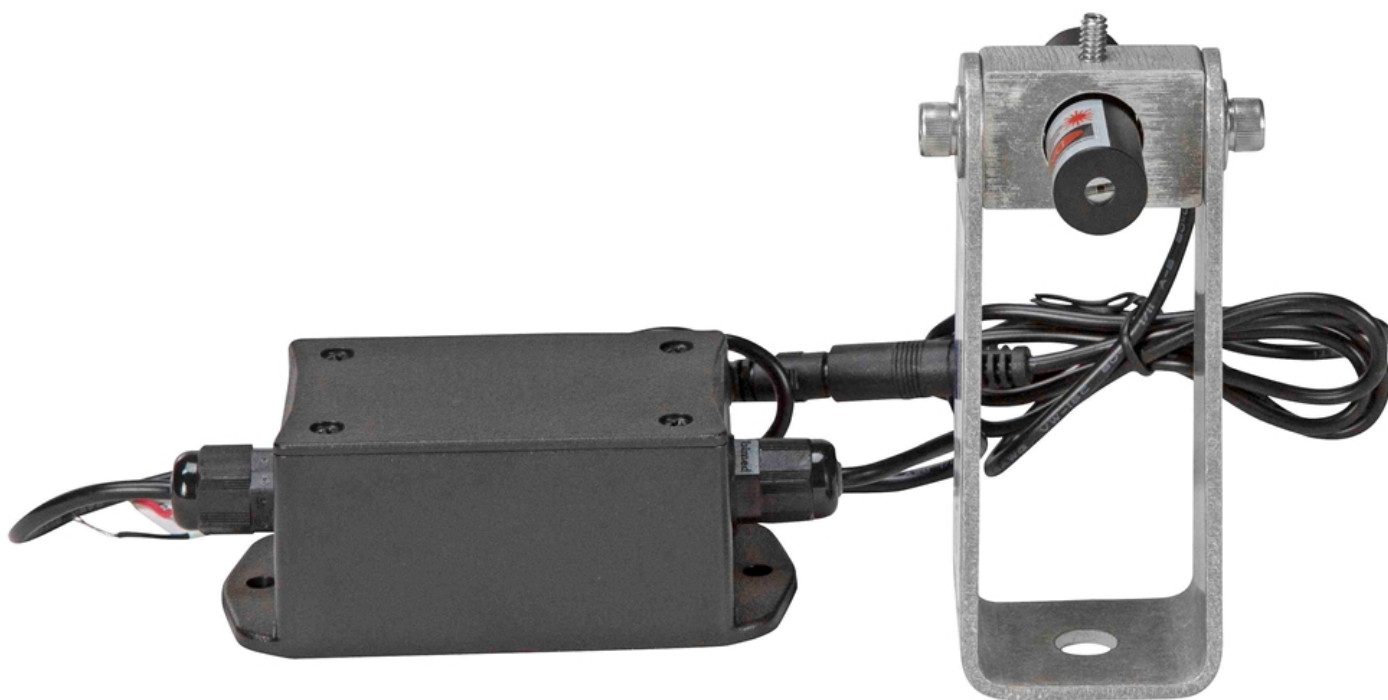
At Larson Electronics, we do more than meet your lighting needs. We also provide



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.



Frequently Asked Questions (FAQ)









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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Beam Information \(Coverage, Datafile\)](#)
- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [HigResPic10](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)