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TECHNOLOGY GROUP

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Custom engineering
so your equipment works exactly as you specify.

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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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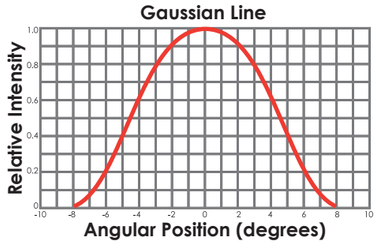
Visit our website - *Click HERE*

Cemarline Powershift™

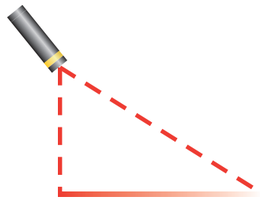
The R & D team at **Cemar Electro** has developed **"Powershift™"**, a technique to deliver a more uniform line from angle-mounted lasers. Used with our patented linear lens, we are able to shift the laser power to maintain the intensity throughout the length of the line, further enhancing line integrity.

Uniform line Intensity

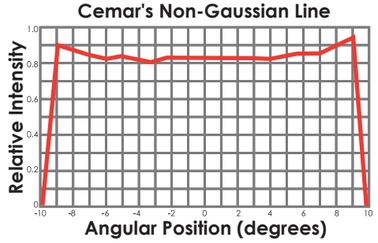
Conventional Lasers use cylindrical optics to spread the light. This creates a line that is bright in the middle but faded at the ends:



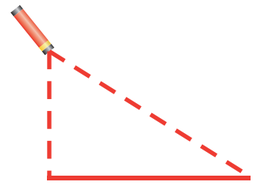
When lasers with cylindrical optics are mounted on an angle, the light loses intensity and fades as it extends outward.



With **Cemar Electro's** patented linear lens, the projected light is distributed equally over the entire length of the line:



With **Cemarline "Powershift™"** the laser power is shifted slightly to the far end of the line, delivering a clear balanced line from beginning to end.



CEMARLINE®

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CEMARLINE®

Solid State Line Generators

CL 800 Series Lasers



CEMARLINE®



CL-800 Series Lasers

Cemar Electro's CL-800 series lasers are small enough to fit in the palm of your hand yet powerful enough to project a brilliant line even in the brightest conditions. Built to handle the toughest environment, they are the most reliable lasers on the market today. Each laser includes a mounting bracket, a power supply to suit your requirements, and our patented line generating optics.

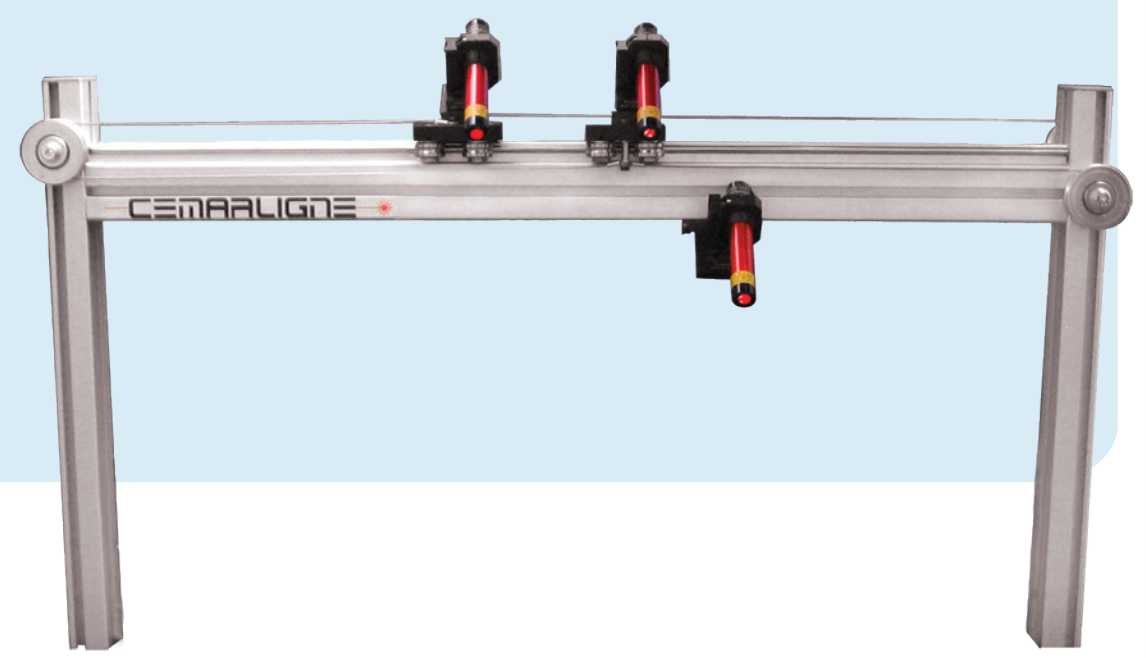
CL-720 Band Saw Laser

The CL-720 has been specially configured for portable band saws which are operating under cover or indoors. Functioning with the 12v dc power from the saw eliminates the need to have a 110 power source, however, for more permanent installations, a 110v ac package is available.

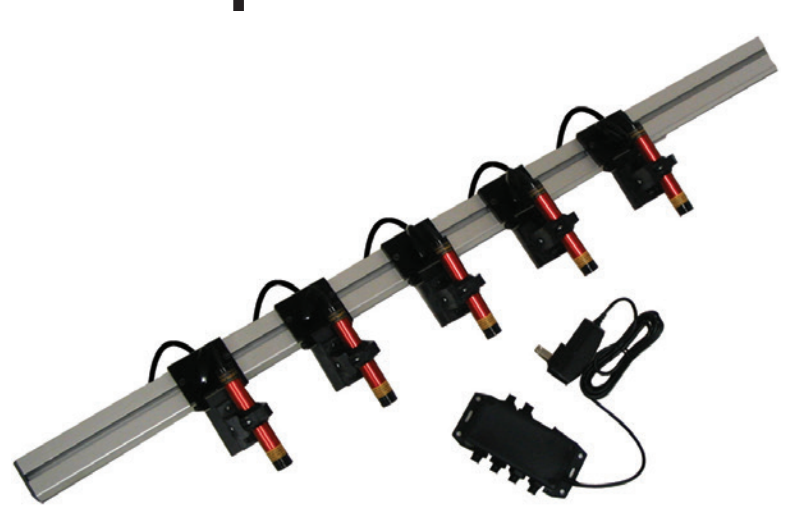
Special Applications / Accessories

SK-800 shift kit for edgers

The SK-800 shift kit is designed for board edgers and can be configured to any blade set-up. All kits are custom built from aluminum track and are fully assembled. These kits quickly pay for themselves and offer years of trouble-free operation. You will process more valuable boards in less time and generate less waste.



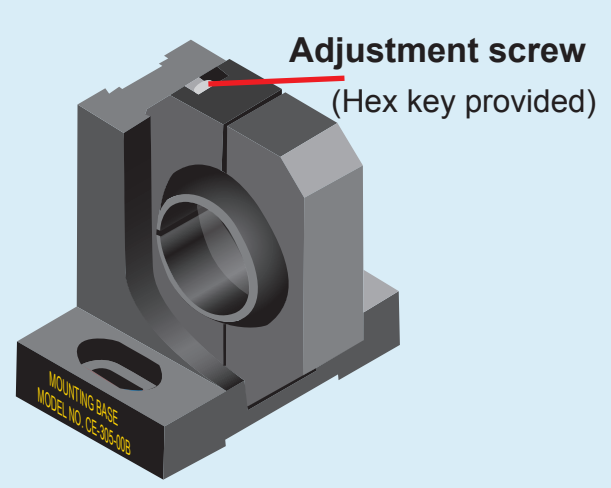
Multiple Unit Linear Array



Designed for multi-blade rip saws or grading stations, this track/adjustable bracket kit can accommodate any number of lasers. The lateral position of the lasers can be adjusted with a simple turn of a thumb screw. Each power supply distribution unit is able to accommodate up to 8 lasers, making service easy and requiring only one plug-in.

Precision brackets

CE-305-00B

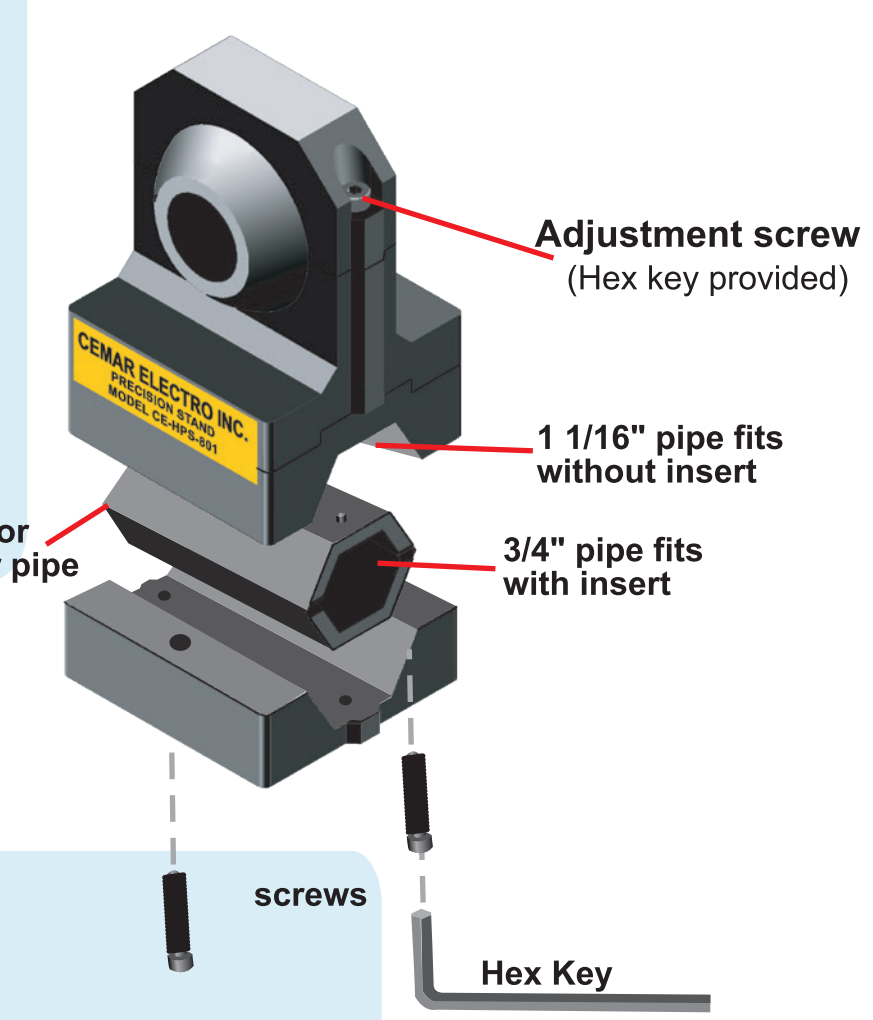


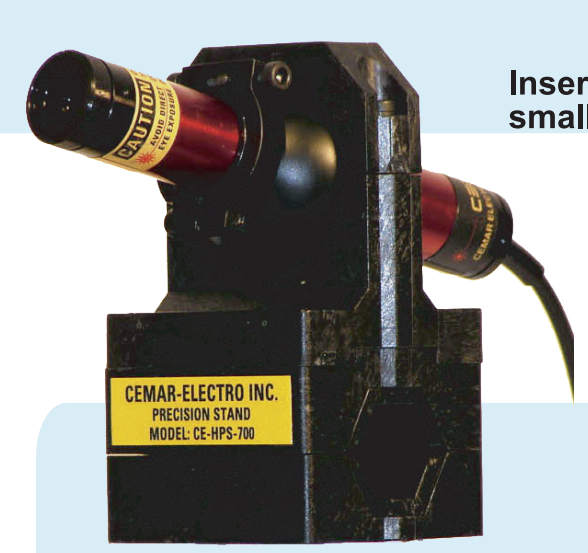
- mounts on flat surface
- mounting screws not provided

Also available in Aluminum

CE-HPS-801

Designed for maximum flexibility, this bracket is a bar mounted unit with a very precise left / right and roll adjustment. Built from a vibration-absorbing polymer, it can meet any precision application.



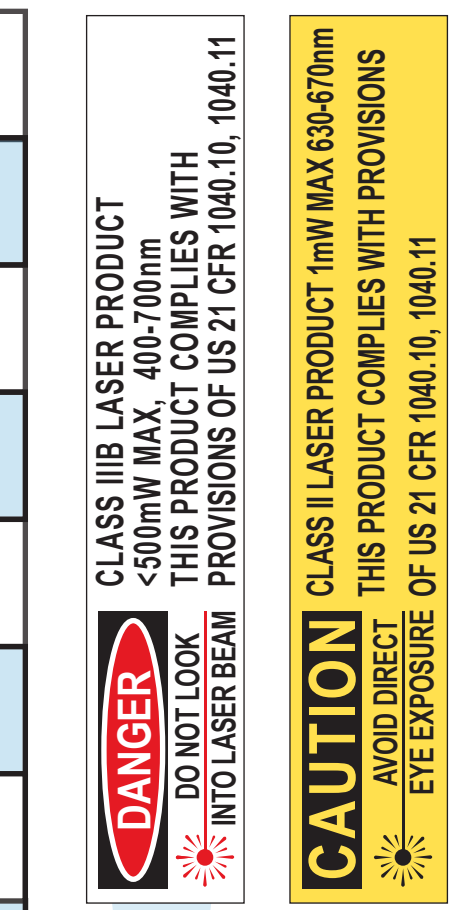


Also available with high-precision adjustments (Model # CE-HPS-700)

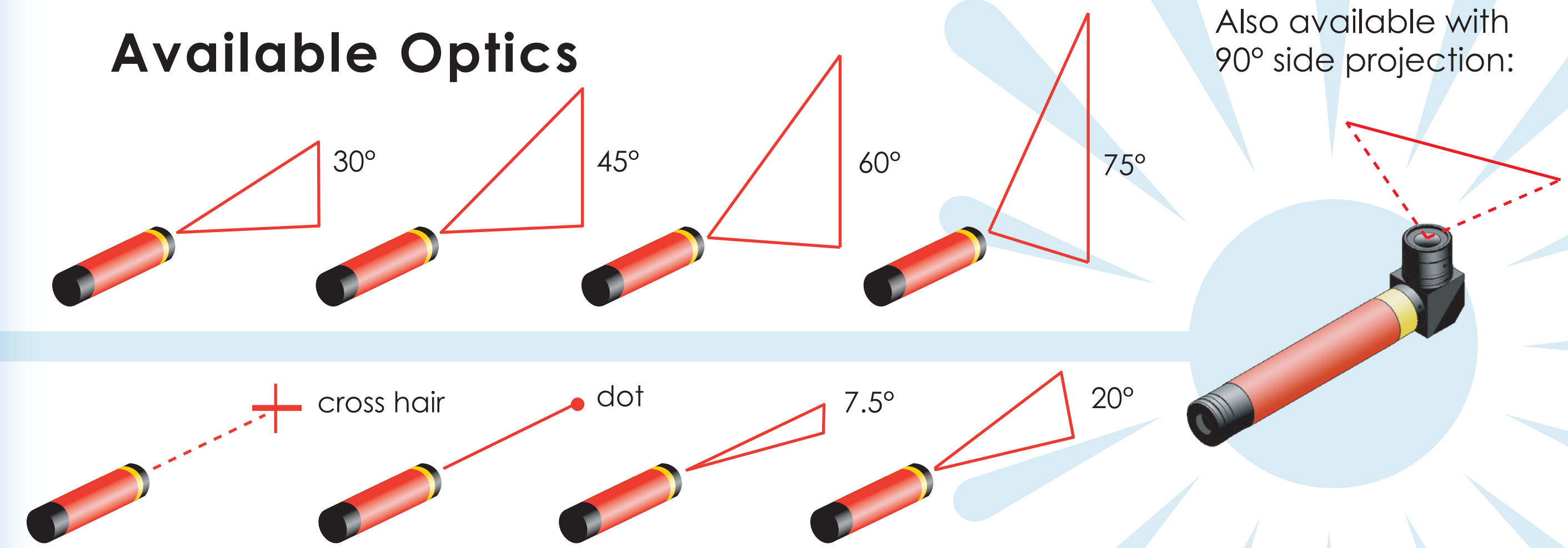
CL 800 Laser Specifications

	Optical Power	Line Length	Line Width / Dot Size	Wave-length
CL 800	0.9 mW	Dot	2mm X 6mm @ 3m	670nm
CL 801	5 mW	1m (3ft)	1mm @ 1m distance (0.04 inch @ 3 ft)	670nm
CL 805	5 mW	2.5m (8ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635nm
CL 810	10 mW	4m (12ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635nm
CL 815	15 mW	10m (30ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635nm
CL 720	15 mW	10m (30ft)	Portable band-saw laser (12 - 24Vdc)	635nm
CL 820	20 mW	15m (45ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635nm
CL 830	30 mW	20m (60ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635nm

Laser Class



Available Optics



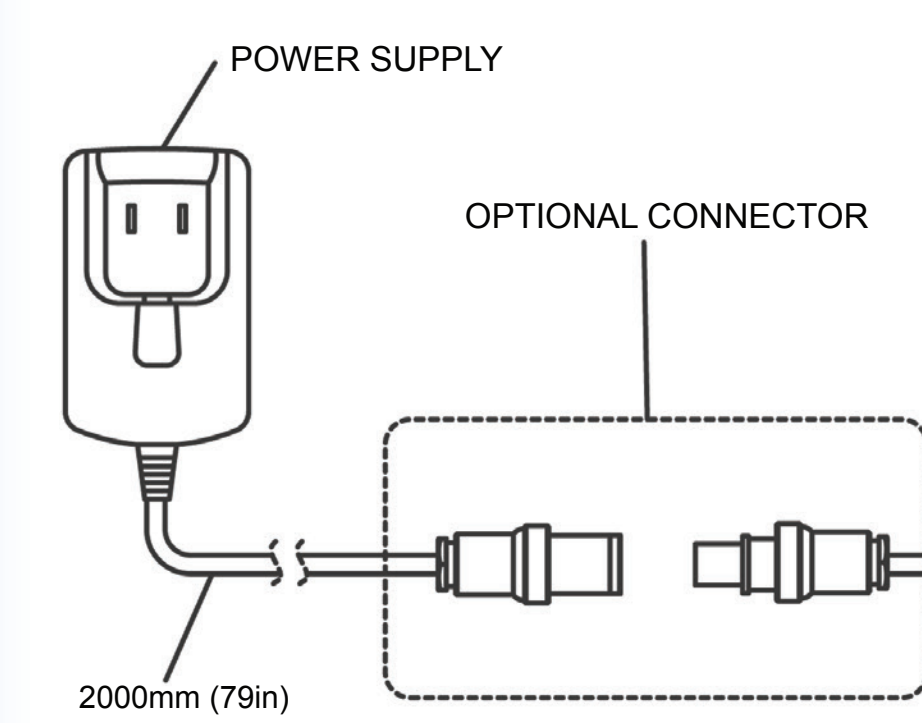
Power Supply: 90~240VAC 50~60Hz
9~35VDC

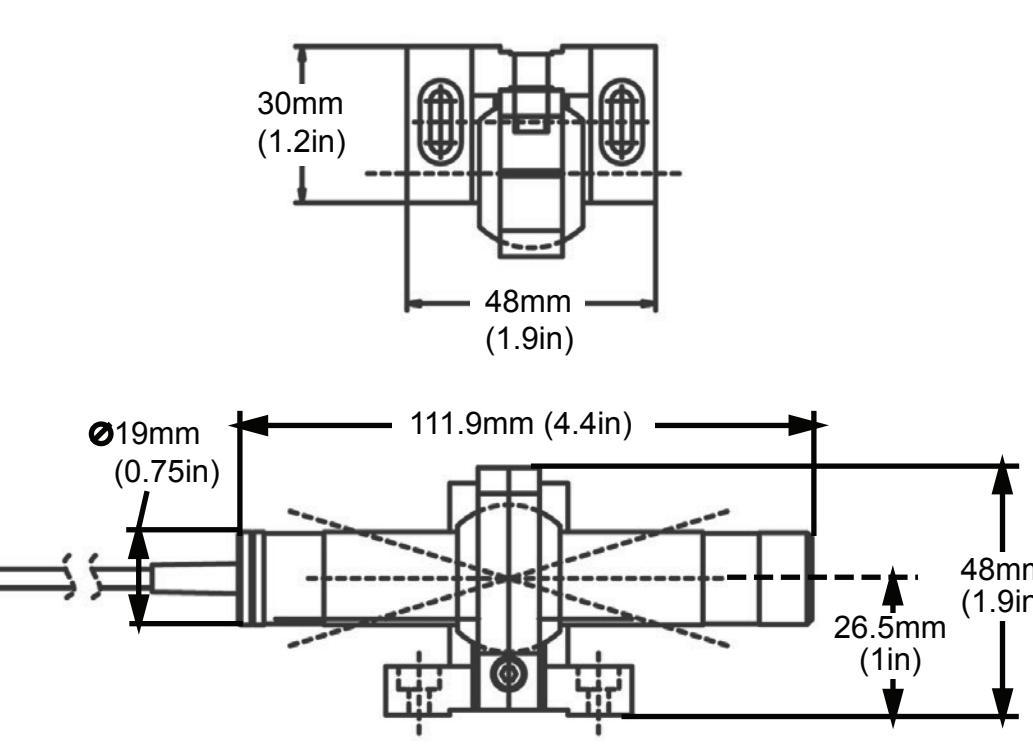
Operating Temperature:
-10°~40°C
14°~100°F

Approvals:

Power Consumption:
1Watt max.

Call us for additional power options to suit your needs.





Quality Assurance

Cemar Electro is **ISO 9001:2000** certified and adheres to the highest engineering and manufacturing standards. All lasers produced in our facility undergo rigorous testing before shipment.

Warranty

Cemar Electro stands behind its products with the best warranty in the business: all of our lasers are covered by a **2-year** parts and labor warranty.

Service

We service all makes and models of diode line generating lasers in our repair facility. All repairs are shipped within **48 hours** of an approved free estimate.

www.cemarelectro.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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