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CL-800 Series Laser

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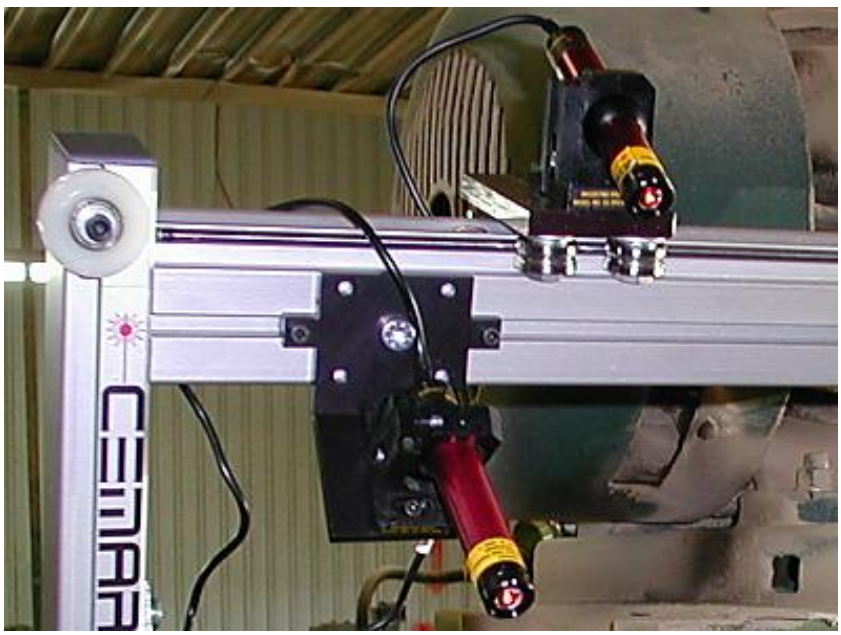


The ultimate in line generation technology using our patented linear lens, the CL-800 series is the most durable laser on the market. It may be used for a wide range of applications such as wood ,textiles, stone, metal just to name a few.

Cemar Electro series 800 lasers are small enough to fit into the palm of your hand yet powerful enough to project a brilliant line in the brightest conditions. Designed and built to be the most reliable lasers on the market today. CL-800 series lasers are built

tough and can handle virtually any environment. A mounting bracket, power supply to suit your requirements and our patented line generator optics are included with every laser.

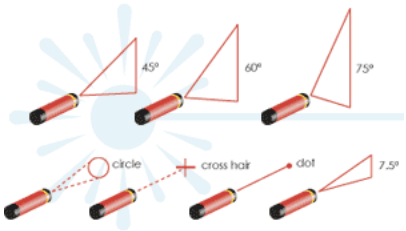
	Optical Power	Line Length	Line Width/ Dot Size	Wavelength
CL-800	0.9mW	Dot	1mm @ 25.4mm to 6mm @ 16.7mm 1/32 inch @ 1inch to 1/4 inch @ 50 ft	670 nm
CL-801	5 mW	1m (3ft)	1mm @ 1m distance (0.04 inch @ 3 ft)	670 nm
CL-805	5 mW	2.5m (8ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635 nm
CL-810	10 mW	4m (12ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635 nm
CL-815	15 mW	10m (30ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635 nm
CL-820	20 mW	15m (45ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635 nm
CL-830	30 mW	20m (60ft)	1mm @ 3m distance (0.04 inch @ 10 ft)	635 nm

Click here to see application photos and dimensional drawings

Click here to see mounting options.

Power Supply: 90~240VAC 9~35
DC Power Consumption: 1 Watt max.
Operating Temperature: -10°~40°C 14°~100°F

Available Optics



Approvals:

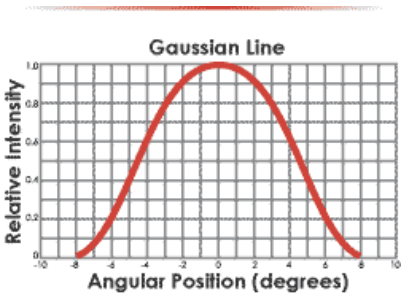
**Call us for additional power options to suit your needs.*

Cemarline Powershift

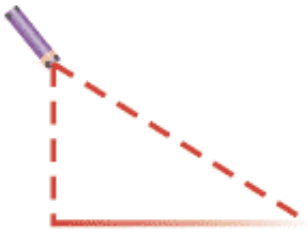
The R & D team at Cemar Electro has developed **"Powershift™"** a technique to deliver a more uniform line from angle-mounted lasers. Used with our patented linear lens we are able to shift some of the laser power to maintain the intensity throughout the length of the line.

Uniform line Intensity

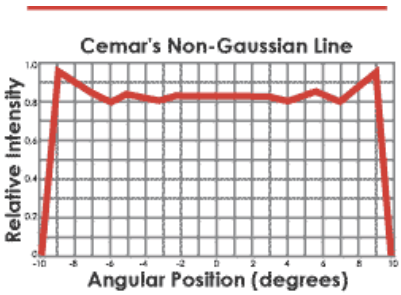
Other Lasers use cylindrical optics and a fan lens to spread the light. This creates a line that is bright in the middle but faded at the tips:



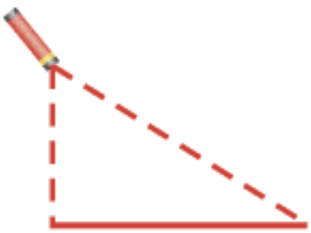
When angle mounted lasers use a fan lens to spread the light over the length of the line it loses intensity and fades out as it extends outward.



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.



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