



LLG-1550

Product Features

- High stability and low noise
- Collimated or adjustable focus beam
- Laser line, cross line or spot
- Reverse polarity protection
- Custom options available
- Industrial hardened high grade glass optics
- Waterproof, shock proof and dustproof

Applications

- Measurement
- Bioanalytical
- Automation
- Alignment
- Targeting



Red or Green Laser Line Generator, Cross Line or a Laser Spot

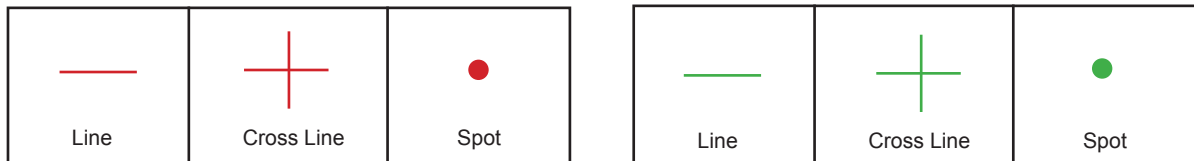
The LLG-1550 Laser Alignment System can produce a Laser Line of 4°, 15°, 35°, 45°, 60°, 75°, 90°, or a Laser Cross Line pattern or a collimated Laser Spot with an output power of 1.0mW to 50mW. Operating voltage is from 3 to 5 VDC with an operating current of <30mA, with an operating temperature of -10°C to 50°C. The laser line, cross line pattern and the collimated laser spot are factory focused at 1m and can be used up to 6m with the proper optics or they can be set at other distances to order. It's your choice: a Laser Line, a Cross Line or a Laser Spot.

The LLG-1550 has a machined aluminum housing and a very durable powder coat painted finish. Our systems are completely waterproof, shockproof and dust proof with an environmental protection rating of IP 67.

The LLG-1550 is powered by an AC adaptor with an output of 4.5 volts DC at 700mA.

LLG-1550 LASER ALIGNMENT SYSTEM - RED OR GREEN

Pattern Options



LLG-1550

LASER ALIGNMENT SYSTEM



BY SEIFFERT INDUSTRIAL



LLG-1550 LASER ALIGNMENT SYSTEM - RED OR GREEN

Technical Data - LLG-1550

Optical

- Wavelength: 635nm/532nm
- Optical Output Power: 1mW up to 50mW
- Stability: <1%
- Laser Operation: Continuous
- Laser Structure: Single Mode Laser
- Fan Angle Line Generator: 4°, 15°, 35°, 45°, 60°, 75°, 90°
- Minimum Line Thickness: <1mm up to 1 meter
- Fan Angle Cross Line: 25° full fan angle
- Minimum Line Thickness: <1mm up to 1 meter
- Spot Size: Adjustable or Collimated
- Minimum Spot Size: <60µm at <10" distance
- Environmental Protection: IP 67 (waterproof, dustproof & shock proof)

Electrical

- Operating Voltage: 3 to 5 VDC
- Operating Current: <60 mA
- Control Circuit: Auto Power Control
- AC wall transformer adaptor: DC 4.5 V 700mA

Mechanical

- Dimension: 5.5" long x 1.5" diameter
- Housing: Machined Aluminum powder coat painted finish
- Operating Temperature: -10°C to +50°C
- Storage Temperature: -40°C to +80°C

Specifications subject to change without notice.

Included Bracket Consists of

- Adjustable angle Set Screw Security
- Full 360 rotation
- Single fastener

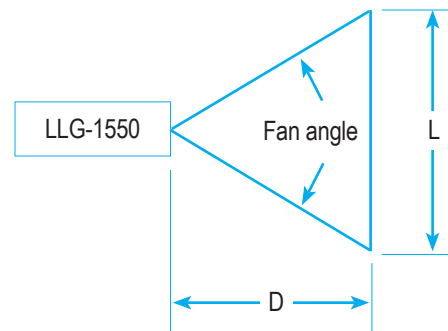


Fan Angle Selection Guide

L: Line Length D: Distance a: Factor

For given fan angle, the line length (L) at distance (D) is calculated using the equation: $L = a(x) D$

For example: Using 4° Fan angle at distance of 1.5m, the line length will be $L = 0.07(x) 1.5m = 0.105m$



Model Numbers

Laser Generator	Fan Angle	Factor A	Laser Cross Line	Full Fan Angle	Laser Spot	Spot Size
LLG-1550-04-L	4°	0.07	LLG-1550-25-CL	25°	LLG-1550-00-S	Adjustable
LLG-1550-15-L	15°	0.26				
LLG-1550-30-L	30°	0.54				
LLG-1550-45-L	45°	0.83				
LLG-1550-60-L	60°	1.15				
LLG-1550-75-L	75°	1.53				
LLG-1550-90-L	90°	2.00				



Complies with CDRH 21CFR 1040.10

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