



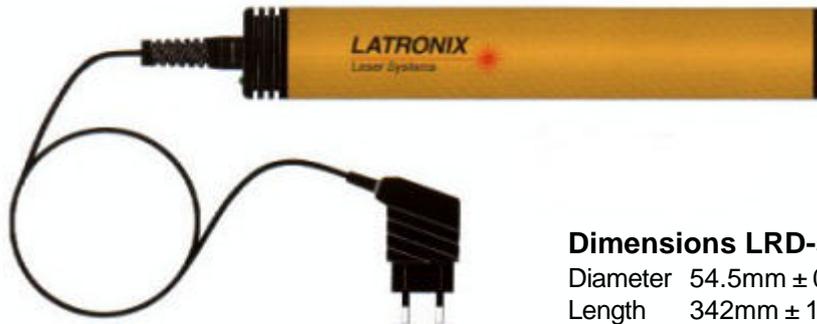
Features

- *Diode laser system for high precision*
- *High visibility even in light environment*
- *Sharp and narrow lines even at long distances*
- *Red and green light sources*
- *Models with analogue or digital modulation*
- *Rugged, industrial quality design*
- *High output power, up to 75mW*



Dimensions LD-series

Diameter 20mm ± 0.5mm
Length 115mm ± 5mm



Dimensions LRD-series

Diameter 54.5mm ± 0.5mm
Length 342mm ± 1mm

Technical specifications of all models

Degree of protection	IP65 for the laser unit
Electrical connection	5 - 6V well regulated DC, cable length 2m
Power supply	230V AC, CE-marked adapter, encapsulation IP54
CE-mark	EMC-standard class4
Ambient temperature	Red lasers -10° to +40°C Green lasers +10°C to +30°C
Typical lifetime at 25°C	30.000 - 40.000 hours for red models and 10.000 hours or more for other models
Field of view (line length)	4°, 25°, 30°, 45° (standard), 60° and 90°

Model codes	LRD X - Y - L - Z	LRD-series, alternatively LD-series
	X	output power
	Y	wavelength
	L	built-in optics
	Z	input voltage

LD- and LRD-series lasers give a straight and sharp line. They are used to give reference lines for positioning different tools in industrial environments as saw- and paper mills, steel-, vehicle- and manufacturing industry. By using laser guide lights you get higher quality on your products at the same time as you reduce your costs. A good laser guide light increases precision, you optimize the material you are working with and you save time.

LD-series lasers have a diameter of 20mm and a length of 115mm. These lasers have, despite the compact design, a robust mechanical construction adapted for industry. By a simple operation you can focus the line at a desired distance. The line thickness can be 0.02mm at the exit.

LD-series lasers are made in several models for different wavelengths and powers from infrared 830nm to light red 635nm. Among the red colors the 635nm has the best visibility for the human eye.

LRD-series lasers have a diameter of 54mm and a length of 342mm. With a unique design where several laser diodes are interacting for the same line you can get a laser guide light with output power up to 75mW. This design makes it possible to upgrade the output power if necessary.

LRD-series lasers are produced with several different wavelengths from infrared 830nm to light red 635nm.

The latest result in our ambition to constantly improve our products and thereby satisfy the users requirements we have developed lasers with analogue or digital modulation. Such lasers are used in applications where one wants to control the laser pulse frequency or to modulate the output power in a desired way between zero and max.

LD-series lasers

Models	Output power
LD1-635L	1 mW
LD3-635L	3 mW
LD6-635L	6 mW
LD12-635L <i>New!</i>	12 mW
LD18-635L <i>New!</i>	18 mW

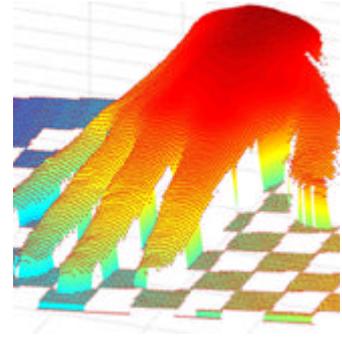
LRD-series lasers

Models	Output power
LRD6-635L	6 mW
LRD12-635L	12 mW
LRD18-635L	18 mW
LRD24-635L	24 mW
LRD30-635L	30 mW
LRD36-635L <i>New!</i>	36 mW
LRD48-635L <i>New!</i>	48 mW
LRD60-635L <i>New!</i>	60 mW
LRD75-635L <i>New!</i>	75 mW
LRD1-532L <i>Green!</i>	1 mW
LRD5-532L <i>Green!</i>	5 mW
LRD8-532L <i>Green!</i>	8 mW

Adjustable brackets

With the help of adjustable brackets the laser can be pointed sideways to center- or parallel positioning. One can also rotate the laser around its center axis. The bracket has a stable construction and a design that doesn't require much space.





Options for all models

Wavelength, power and line length	We can offer a large program of lasers with other specifications than those shown on this data sheet
Input voltage	5, 12, 24 V DC; 110, 230V AC
Field of view	4°, 25°, 30°, 45° (standard), 60° och 90°
Brackets and other accessories	See separate data sheet
Extended temperature range	Ask for a quotation
Pattern generating lasers	Ask for a separate offer with many alternatives

Laser Safety and Labels - Warning!

Some of the laser models can be dangerous if not used properly. Laser safety class is marked on the label placed at the beam aperture of the lasers. Read laser safety instructions for your working site carefully before using the unit the first time and be careful not to be exposed to any harmful radiation.



LATRONIX AB

Enhagsvägen 9
S-187 40 TÄBY, Sweden

Tel: 46-8-446 48 30
Fax: 46-8-446 48 39

e-mail: sales@latronix.se
www.latronix.se