

Laser for the projection of lines, arcs and points with a small anodized aluminum body

The **SL RED** series lasers have been designed and manufactured to meet the needs of our customers in the most varied industrial sectors thanks to the great constructive flexibility and optical projection (lines, points, crosses, circles, etc.)

They are the most efficient and economical solution for any type of application in the wood, textile, robotic, food and automotive sectors.

The anodized aluminum body, in addition to being highly resistant to any type of shock, guarantees absolute protection for the laser diode.

The **SL RED** series is available with different types of power supply which make it usable in all low voltage networks,

The precision optics can be supplied with fixed or variable (manually) focal length for perfect focusing.



Easy to instal



IP54 Protection



IK10



Laser Power
Up to 10mW



Reverse Polarity
protection

MAIN FEATURE

Body:	Anodized aluminum body
Projection:	Line, Dot, Cross and Circle
Water and dust-proof:	IP54
Shock-resistant:	IK10
Opening angles available for line:	15°, 30°, 40°, 60°, 90°(standard)
Opening angles available for cross:	15°, 45°
Fix Focal (F) - Focusable (FCL)	100 – 15.000 mm

LASER TECHNICAL DATA

Laser type:	diode
Wavelength:	650 nm
Color:	Red
Divergence:	0,5mrad
Laser power:	from 1 to 10mW
Class:	1, 2M
Diode Duration:	30.000 h

ELECTRIC TECHNICAL DATA

Voltage DC:	12/24Vdc – 5Vdc
Voltage AC:	12/24Vac
Reverse polarity protection:	YES
Power consumption:	< 100 mA
Connector:	M8/M – 3 pin
Direct Cable:	on Customer request (mm)

HOUSING TECHNICAL DATA

Body:	Anodized aluminum body
Water-Dust protection:	IP54
Shock resistant:	IK10
Dimension:	Length 40 – 50 – 60 – 70 mm X Ø 11 – 12 – 13 - 14 mm
Weigth:	40 gr.
Operating conditions:	10°C ... +40°C - < 95% UR

MODELS and CONFIGURATIONS AVAILABLE

LASER LINE

Laser Power	Model	Laser Safety Class	Line Length *90°
1mW	1SL-R-Line	1	Fino a 1mt
3mW	3SL-R-Line	1	Fino a 2mt
5mW	5SL-R-Line	1	Fino a 4mt
10mW	10SL-R-Line	2	Fino a 6mt

DOT LASER

Laser Power	Model	Laser Safety Class
1mW	1SL-R-Point	1
3mW	3SL-R-Point	1
5mW	5SL-R-Point	1
10mW	10SL-R-Point	2

CROSS LASER

Loser Power	Model	Laser Safety Class	Cross Dimension at 1 mt - *15°
1mW	1SL-R-Cross	1	150 X 150 mm
3mW	3SL-R-Cross	1	150 X 150 mm
5mW	5SL-R-Cross	1	150 X 150 mm
10mW	10SL-R-Cross	2	150 X 150 mm

* Measure with standard optics. Line length depends on ambient light, focal distance, and from the angle projection.