

Can be used outdoors where environmental conditions are extremely severe

The **BL-Red Series** line lasers have been designed and manufactured for a preferably outdoor positioning, where the environmental conditions are particularly severe.

They are used in the industry for the processing of wood, marble and mechanics

BL-R projects a red reference line with different lengths from 3 to over 25 meters according to the power of the laser diode installed.

The different models have the option of being powered at 24Vdc with an M12/M connector or with a direct cable (220 Vac internal) based on the specific needs of the Customer

The anodized aluminium body (IP67) with a diameter of 40 mm guarantees absolute protection of the laser diode, the electronic board and the anti-reflection optics.



Easy to instal



IP67 Protection



IK10

Laser Power
Up to 60mW



Reverse Polarity
Protection



MAIN FEATURE

Projection:	Line
Water and dust-proof:	IP67
Shock-resistant:	IK10
Opening angles available for line:	30°, 40°, 60°, 90°(standard)
Fix optical focal length	Customer request

LASER TECHNICAL DATA

Laser type:	diode
Wavelength:	650 nm
Color:	Red
Divergence:	0,5mrad
Laser power:	from 5 to 60 mW
Class:	1, 2M, 3B
Diode Duration:	30.000 h

ELECTRIC TECHNICAL DATA

Voltage DC:	12/24 Vdc
Voltage AC:	12/24Vac - 100/240Vac Internal* Optional
Reverse polarity protection:	YES
Power consumption:	< 200 mA
Connector:	M12/M 4 pin - Direct cable with SHUKO* Optional
TTL Mode:	YES

HOUSING TECHNICAL DATA

Body:	Anodized Aluminium
Water-Dust protection:	IP67
Shock resistant:	IK10
Dimension:	Length 170 mm X Ø 40 mm
Weigth:	240 gr.
Operating conditions:	-10°C ... +40°C - < 95% UR

MODELS AND CONFIGURATIONS AVAILABLE

LINE LASER

Laser Power	Model	Laser Class	Line Length – * 90°
5mW	5BL-R-Line	1	Up to 4 mt
10mW	10BL-Line	1	Up to 6 mt
15mW	15BL-R-Line	1	Up to 8 mt
20mW	20BL-R-line	2	Up to 10 mt
30mW	30BL-R-Line	2M	Up to 15 mt
40mW	40BL-R-Line	2M	Up to 18 mt
50mW	50BL-R-Line	3B	Up to 20 mt
60mW	60BL-R-Line	3B	Up to 22 mt

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