

Universal Red laser with focusable optics for diversified use within the production cycle

The **XN-R-FCL** Series lasers have been designed and built following the requests of a constantly evolving market which required a laser with focusable optics for a diversified use within the production cycle.

The focusable optics allow you to adjust the thickness of the projected line and/or cross according to your accuracy and visibility needs.

The stainless steel body, highly resistant to any type of shock, guarantees very high protection to the laser diode, the electronic circuit and the focusable optical system (IP67)

The **XN-R-FCL** Series is available with laser output power from 1 to 50 mW and can project lines and crosses of different sizes according to specific customer requests.

The advanced electronics design technology makes the laser extremely resistant to voltage peaks or current variations and it is available with different power supply types that make it usable with all low voltage networks.



Easy to install



IP67 protection

IK10



Laser Power
Up to 50mW



Reverse Polarity
Protection



MAIN FEATURE

Body:	Stainless steel AISI316
Projection:	Line and Cross
Water and dust-proof:	IP67
Shock-resistant:	IK10
Opening angles available for line:	30°, 40°, 60°, 90°(standard)
Opening angles available for cross:	15°, 45°
Focusable optic	100 to 15.000 mm

LASER TECHNICAL DATA

Laser type:	diode
Wavelength:	650 nm
Color:	Red
Divergence:	0,5mrad
Laser power:	from 1 to 50mW
Class:	1, 2M, 3B
Diode Duration:	30.000 h

ELECTRIC TECHNICAL DATA

Voltage DC:	12/24 Vdc – 5Vdc
Voltage AC:	12/24Vac
Reverse polarity protection:	YES
Power consumption:	< 200 mA
Connector:	M12/M – 4 pin
TTL Mode:	YES

HOUSING TECHNICAL DATA

Body:	Stainless steel AISI316
Water-Dust protection:	IP67
Shock resistant:	IK10
Dimension:	Length 97 mm X Ø 20 mm
Weigth:	140 gr.
Operating conditions:	-10°C ... +40°C - < 95% UR

MODELS and CONFIGURATIONS AVAILABLE

LINE LASER

Laser Power	Model	Laser Safety Class	Line length *90°
1mW	1XN-R-FCLLine	1	Up to 1mt
3mW	3XN-R-FCL-Line	1	Up to 2mt
5mW	5XN-R-FCL-Line	1	Up to 4mt
10mW	10XN-R-FCL-Line	1	Up to 6mt
15mW	15XN-R-FCL-Line	2	Up to 8mt
20mW	20XN-R-FCL-Line	2	Up to 10mt
30mW	30XN-R-FCL-Line	2M	Up to 12mt
40mW	40XN-R-FCL-Line	2M	Up to 14mt
50mW	50XN-R-FCL-Line	2M	Up to 18mt

CROSS LASER

Laser Power	Model	Laser Safety Class	Cross Dimension at 1 mt - *15°
1mW	1XN-R-FCL-Cross	1	150 X 150 mm
3mW	3XN-R-FCL-Cross	1	150 X 150 mm
5mW	5XN-R-FCL-Cross	1	150 X 150 mm
10mW	10XN-R-FCL-Cross	2	150 X 150 mm
15mW	15XN-R-FCL-Cross	2	150 X 150 mm
20mW	20XN-R-FCL-Cross	2	150 X 150 mm
30mW	30XN-R-FCL-Cross	2M	150 X 150 mm
40mW	40XN-R-FCL-Cross	2M	150 X 150 mm
50mW	50XN-R-FCL-Cross	2M	150 X 150 mm

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