

Green laser with focusable optics for a diversified use within the production cycle

Thanks to the high visibility of the green diode and focusable optics, the **XN-G-FCL Series** with stainless steel body are the most suitable tools for use on dark and translucent surfaces where ambient light is extremely high and where there is the need to change the focal distance during the various processes



They are widely used in the marble and wood processing industries and in heavy mechanics.

The stainless steel body highly resistant to any type of shock protects the laser diode, the electronic circuits and the precision optics. (IP68)

The **XN-G-FCL Series** is available with laser power ranging from 3 to 50 mW and can project lines and crosses of different sizes to customer specifications.

The various models have the option of being powered at 24Vdc/Vac with an M12/M connector or with an external 220Vac/24Vdc power supply



Easy to instal



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 optical length	100 – 15.000 mm

LASER TECHNICAL DATA

Laser type:	diode
Wavelength:	520 nm
Color:	Green
Divergence:	0,5mrad
Laser power:	from 3 to 50mW
Class:	1, 2M, 3B
Diode Duration:	25.000 h

ELECTRIC TECHNICAL DATA

Voltage DC:	12/24Vdc – 5Vdc (Max 10mW)
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:	110 gr.
Operating conditions:	-10°C ... +40°C - < 95% UR

MODELS and CONFIGURATIONS AVAILABLE

LINE LASER

Laser Power	Model	Laser Safety Class	Line Length – *90°
3mW	3XN-G-FCL-Line	1	Up to 2mt
5mW	5XN-G-FCL-Line	1	Up to 4mt
10mW	10XNL-G-FCL-Line	1	Up to 6mt
15mW	15XN-G-FCL-Line	2	Up to 10mt
20mW	20XN-G-FCL-line	2	Up to 12mt
30mW	30XN-G-FCL-Line	2M	Up to 15mt
40mW	40XN-G-FCL-Line	2M	Up to 18mt
50mW	50XN-G-FCL-Line	3R	Up to 20mt

CROSS LASER

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

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