



Irybus NL Product Line

Ytterbium doped Irybus-NL-10**-X**-R(L,U)** CW fiber laser series

Key features

- Wavelength 1030 nm - 1100 nm
- Narrow linewidth
- High output power (up to 50W)
- High power stability
- Superior beam quality ($M^2 < 1.1$)

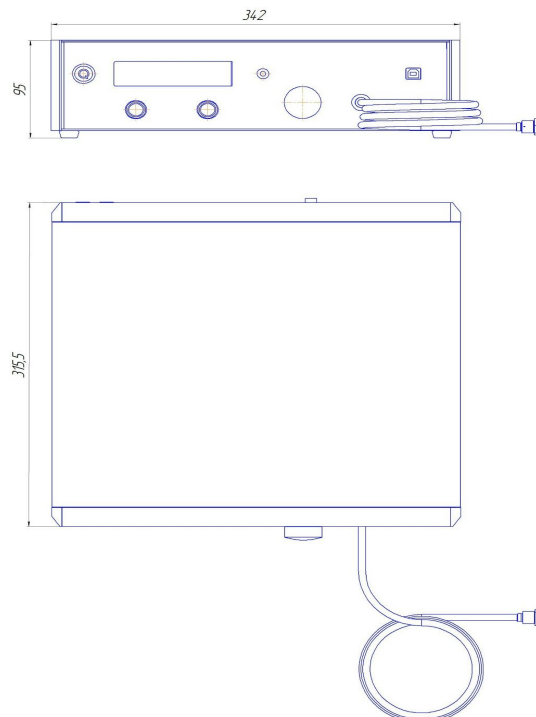


Irybus-NL-10**-X**-R(L)** is high power low noise high beam quality 1030 nm -1100 nm Yb-doped fiber laser. NL series has linewidth < 0.1 nm. Irybus-NL-10**-X**-R(L)** is designed for industrial turn-key integration as a benchtop module. A full set of control electronics and power supply are included to the delivery package.

Irybus-NL-10**-X**-R(L)** are controlled by the on-board digital display, switches, and adjustment controllers. The Irybus-NL-10**-X**-R(L)** can be equipped with a collimator fiber termination and the built-in visible aiming laser (by requirement). This is a perfect tool for research labs due to excellent performance, high reliability, and lower cost.

Applications

- Spectroscopy
- Second-harmonic generation
- Laser machinery
- Other





Irybus-NL-10**-X**-R(L,U)** specifications

Parameter	Value	Unit
Operating mode	CW	
Central wavelength	1030, 1040, 1050, 1060, 1064, 1070, 1080, 1090, 1100	nm
Linewidth (FWHM)	< 0.1 (up to 15 W), < 0.3 (15 - 50W)	nm
Nominal output power	1, 2, 5, 10, 15, 20, 30, 50	W
Output power tunability	10-100 (optional)	%
Long term instability	< 1	%
Polarization	Unpolarized, Random (optional), Linear (optional)	
Beam quality (M ²)	< 1.1	
Output fiber termination	collimator(optional)	
Built-in visible aiming laser (optional)	650nm, 5mW (optional)	nm, mW
Control interface	Front panel with display, RS232/USB (optional)	
Operating voltage	220 - 240 V, 50 - 60 Hz, Single Phase	
Operation temperature	0 to 40	°C
Storage temperature	- 40 to +70	°C
MTBF	> 10.000	Hrs
Operation Humidity	10 - 85	%
Cooling	Forced air	
Dimensions (WxHxL)	342x95x315,5 (up to 15 W) 449x139x359 (15 - 50W)	mm
Weight	< 10 (up to 15 W) , < 18 (15 - 50W)	kg

- Optromix fiber systems can be customized by request.
- Warranty: 1 year.



Ordering Information:

Product Code	Irybus-NL-1xxx-X-yy-p-cc	xxx:	Wavelength (nm)
		yy:	Output power (W)
		p:	Polarization: R - random, L - linear
		cc:	Optical output: CM - collimator, FS - free space, FA = FC/APC FU = SC/UPC, SA = SC/APC SU = SC/UPC

Information in this document is a subject to change without notice.