

FYLA SC is a pulsed cost-effective supercontinuum nanosecond fiber laser with the highest energy per pulse (up to 50 uJ), a broad spectrum, and a random kHz repetition rate. It is a perfect illumination source for photoacoustic microscopy, speckle removal-based applications, and non-labeled fluorescence imaging.

FYLA SC Specifications

Total Power	>500 mW
Fundamental Pulsewidth	<50 ns
Spectral Range	500-2200 nm
Repetition Rate	Random ~ 50 kHz
Full Spectrum Power Stability	1- 2 % (Std. Dev.)



FYLA SC Specifications

Output Polarization	Unpolarized
Output Fiber / Length	Single Mode / 1.0 m (customizable)
Optical Output	Collimated, Single-mode across full spectrum
Synchronization / Connections	Optical Reference Signal / FC/APC Conector
Beam Diameter	< 4.0 mm (1/e ² @ 532 nm, 0.5 m from output)
M2 Parameter	< 1.2
Cooling	Thermoelectric cooler + air cooling
Power Requirements	220 V / 110V - 50/60 Hz
Displayed Parameters (Controlled)	Optical Output Power Driving Electric Current TEC energy consumption TEC diode temperature
Control Modes	N/A
Operating Temperatures	20 - 30 °C
Storage Temperature	0 - 60 °C
Dimensions (mm)	400 x 162 x 157

FYLA SC Specifications

Energy per Pulse Up to 50 MicroJ

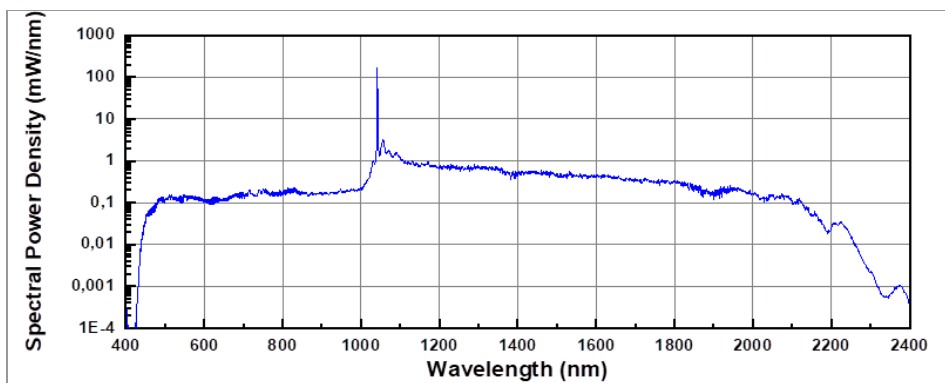
Power per spectral bands

500 - 750 nm >10mW / 750 - 1030 nm >75 mW / 1030 - 1050 nm >190 mW / 1050 - 2200 nm >365 mW

SPECTRAL
PROFILE AND
OTHER
DETAILED
SPECS

UNDER REQUEST

Specifications are subject to change without notice*



Optical Spectrum

Approximately