

A pulsed supercontinuum picosecond fiber laser offering an extraordinary level of average power stability. It incorporates an optical trigger output. Delivering an extensive spectrum, covering the 450 nm to 2300 nm range, and with a visible average power exceeding 30 mW, FYLA SCT is an ideal solution for single-photon applications and semiconductor characterization. FYLA SCT brings the best value for money in terms of versatility, robustness, and service.

## FYLA SCT Specifications

Total Power	>1000 mW
Fundamental Pulsewidth	< 10 ps
Spectral Range	450-2300 nm



## FYLA SCT Specifications

Repetition Rate	40 MHz
Full Spectrum Power Stability	<0,5 % (std. dev.)
Output Polarization	Unpolarized
Output Fiber / Length	Single Mode / 1.0 m (customizable)
Optical Output	Collimated (in the range 450-1000nm), Single-mode across full spectrum
Synchronization / Connections	Optical Reference Signal / FC/APC Conector
Beam Diameter	< 4.0 mm (1/e <sup>2</sup> @ 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	Mode Manual/Remote ( USB Port )
Operating Temperatures	20 - 30 °C

## FYLA SCT Specifications

Storage Temperature 0 - 60 °C

Dimensions (mm) 436x560x151 (WxDxH)

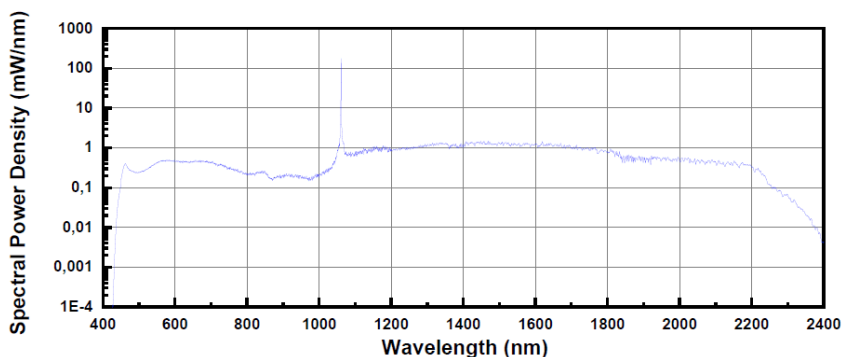
Power by spectral band 450-750nm >30mW / 750-1000 nm >50mW / 1000-1100nm >400mW / 1100-2300nm >800mW

Security This product is a Class 4 laser. Appropriate safety measures according to such laser class should be taken in its installation and use

SPECTRAL PROFILE AND OTHER DETAILED SPECS UNDER REQUEST

Specifications are subject to change without notice\*

### Optical Spectrum



### OPTICAL SPECTRUM

Approximate.

---

**We use (our own and third-party) cookies for personalization and advertising purposes to create profiles based on your web browsing history, for example, to show you personalized content. You can accept all cookies by clicking "Accept", or configure them in [settings](#).**

[Accept](#)

[Reject](#)

[Settings](#)