

FYLA SCT1000 Specifications

Total Power >1000 mW

Fundamental
Pulsewidth 7 ps

Spectral Range 450-2400 nm

Repetition rate 40 MHz

Full Spectrum
Power Stability <0,5 % (std. dev.)
(3h)

Output
polarization Unpolarized

Output fiber /
length Single Mode / 1.5 m - Custom

Optical output Collimated, Single-mode across full spectrum

Synchronization
/ Connections Trigger Output (TTL @ 40 MHz Rep.rate
pulses)

Beam Diameter 2.4 mm (1/e² @ 1064 nm, 0.5 m from output)
Customisation down to 1 mm

M2 Parameter < 1.2

Half-angle
Beam
Divergence 0,032° (at 1064 nm)

Cooling Integrated Peltier + air cooling



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Power requirements	220 V / 110V - 50/60 Hz
Display	LCD
Displayed Parameters (Controlled)	Optical Output Power Driving Electric Current TEC energy consumption TEC diode temperature
Control Modes	Mode Manual/Remote (USB Port)
Operating Temperatures	15 - 30 Celsius
Storage temperature	0 - 60 Celsius
Dimensions (mm)	400 x 162 x 157
Power by spectral band	450-750nm >30mW / 750-1000 nm >50mW / 1000-1100nm >400mW / 1100-2400nm >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

OPTICAL SPECTRUM

Approximate.

