

## FYLA SCT500 Specifications

Total Power >500 mW

Fundamental  
Pulsewidth 20 ps

Spectral Range 500-2150 nm

Repetition rate 20 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 @ 20 MHz Rep.rate  
pulses )

Beam Diameter 2.4 mm (1/e<sup>2</sup> @ 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	500 - 750nm >10mW / 750 - 1000nm >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

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Approximate.

