

FYLA LFC1500X Specifications

Total Power	> 100 mW @10 MHz
Fundamental Pulsewidth	120 fs
Spectral Range	1560 nm
Repetition rate	10 MHz (Fundamental)
Full Spectrum Power Stability (3h)	<1 % (std. dev.)
Output polarization	Linearly Polarised
Output fiber / length	1.5 m
Optical output	Free Space
Synchronization / Connections	USB (comms) - BNC trigger output - Interlock
Beam Diameter	2.1 mm or 3.5 mm (1/e ²)
M2 Parameter	<1.2
Half-angle Beam Divergence	0,032° (at 1560 nm)
Cooling	Integrated Peltier + air cooling
Power requirements	220 V / 110V - 50/60 Hz

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Display	N/A
Displayed Parameters (Controlled)	Laser On- Off / Pulse Energy Selection & Monitoring / Rep. Rate Selection & Monitoring / Laser Direct spectrum / SHG spectrum / Pulselwidth Selection & Monitoring / Temporal pulse shape Monitoring: phase + amplitude / Pulse spectrum Monitoring: phase + amplitude
Control Modes	Mode Manual/Remote
Operating Temperatures	20 - 30 Celsius
Storage temperature	0 - 60 Celsius
Dimensions (mm)	500 x 800 x 300 (Main Laser Module)
Pulselwidth Tunability	60 fs to 250 fs
Repetition Rate Tunability (Pulse Train)	Single Shot to 10 MHz
Pulse Energy Range	<10 pJ to >10 nJ
Electromechanical Shutter Output	Rise-time: 1 ms , Sync. to Pulse train