

FQS q-switched DPSS lasers

actively q-switched DPSS lasers delivering up to 400 μJ with pulse widths of less than 5 ns

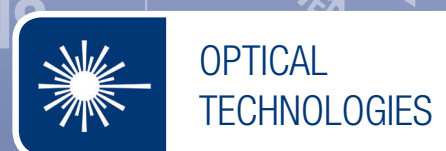


- wavelengths: 355, 532, 1064 nm
- manual safety shutter
- user interface (interlock, on/off switch)
- air cooled
- external trigger
- laser diode protection
- 19" rack power supply

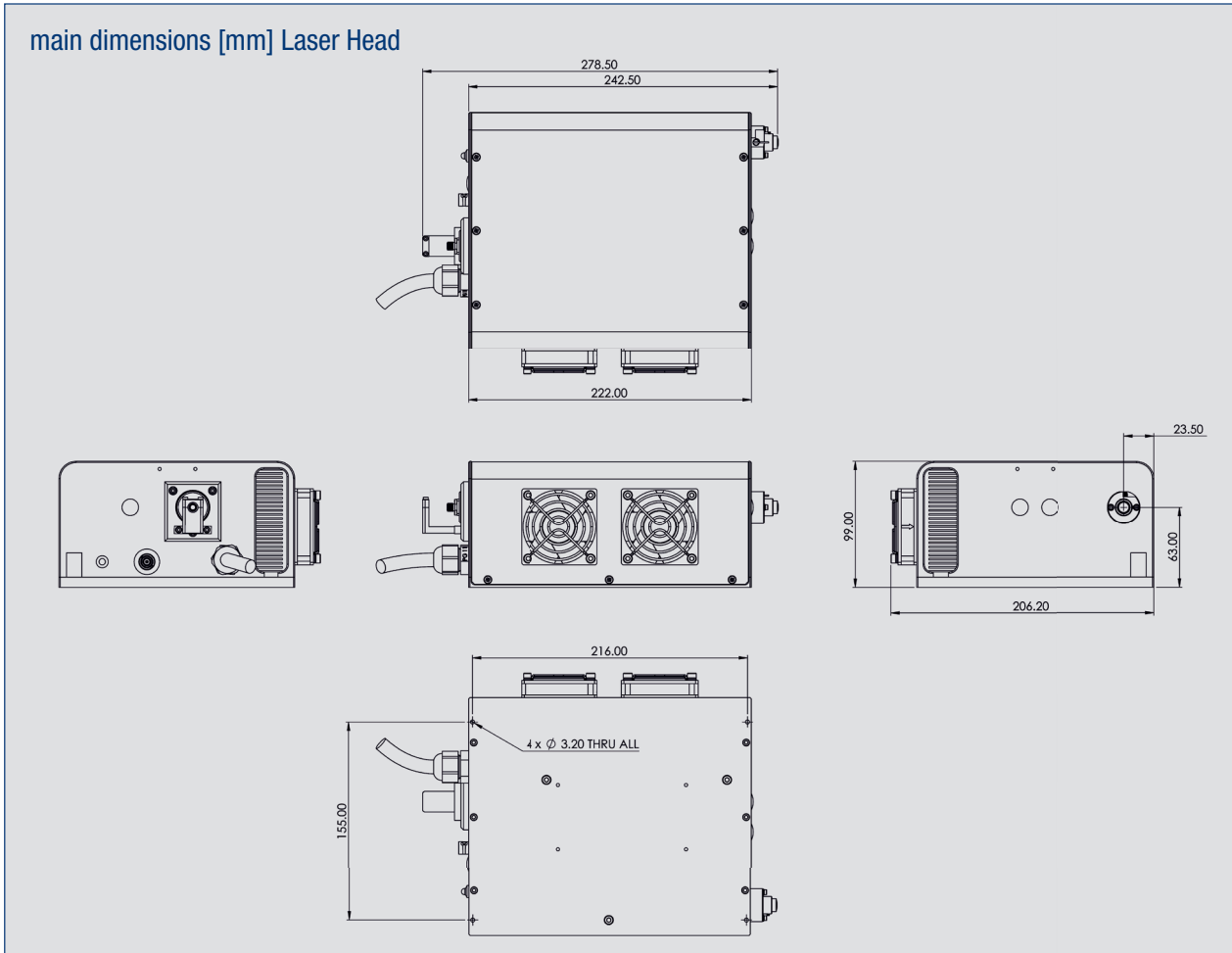
The FQS range of DPSS lasers builds on the very successful SPOT actively Q-switched laser technology. Adopting key technical design features, the FQS range provides a series of models delivering up to 400 μJ with pulse widths of less than 5 ns.

The FQS lasers' jitter is maintained at a low level across the range. The compact laser head can be used to pump our dye laser products to produce a comprehensive range of wavelengths. The UV variant of the FQS has been very successful as a light source for MALDI (Matrix Assisted Laser Desorption/Ionization) applications.

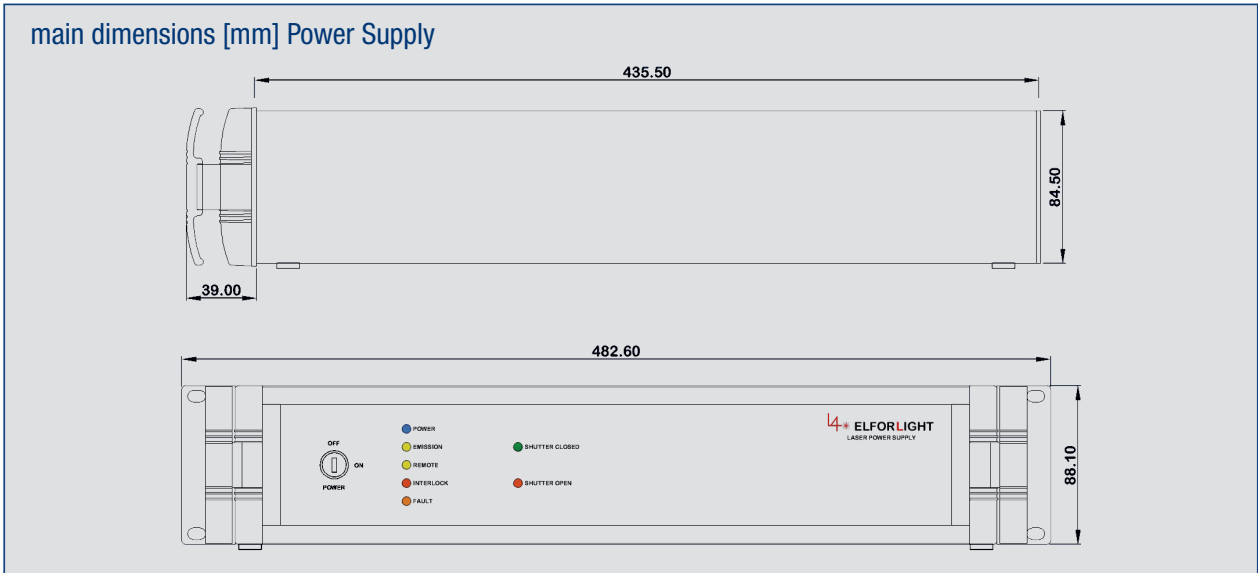
Model Name	DL-5-5	DL-1-50	DL-1-50
Wavelength	1064nm	532nm	355nm
Pulse Energy @ 1kHz	> 400 μJ	> 200 μJ	> 100 μJ
Spatial Mode	TEM00, M2 < 1.2		
Repetition Rate	Up to 10kHz	Up to 10kHz	Up to 10kHz
Minimum Pulse Width	< 5ns	< 5ns	< 4ns
Jitter	< +/- 1ns (typ. +/- 0.5ns) WRT ext. trigger input		
Beam Diameter	1mm at output aperture		
Beam Divergence	< 1mRad at 1mm diameter		
Polarization	>100:1		
Laser Head Size	240mm x 210mm x 100mm		
Power supply	2U high 19 inch rack		
Control	RS232		
Cooling	Air cooled		
Power requirement	100 – 240 VAC, 50 / 60 Hz Max 1000W		



main dimensions [mm] Laser Head



main dimensions [mm] Power Supply



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