

## SpitLight DPSS OPO

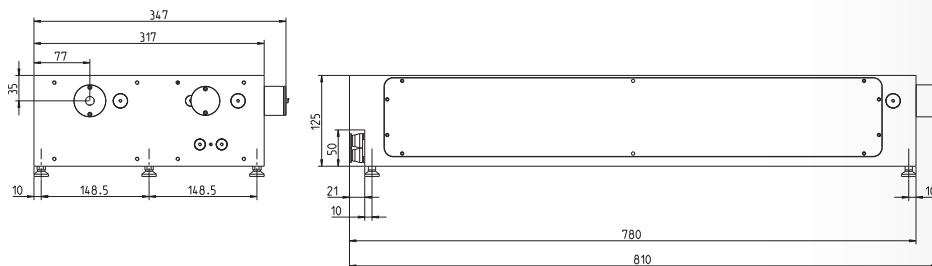


### Features

- \* Compact, diode pumped YAG/OPO with high repetition rates and high average power
- \* Nd:YAG pump laser and OPO within one compact housing
- \* One central software for controlling the whole device
- \* Robust and stable mechanical and optical setup
- \* 355 or 532 nm pumping options maximize energy output for specific spectral region
- \* Broad- and Midband OPO's with a tuning range from 413-2500 nm
- \* Full range, pulse-to-pulse wavelength tuning up to 100 Hz
- \* Wavelength calibration included

# SpitLight DPSS OPO

Model		DPSS OPO Broadband	DPSS OPO Midband
Pump Laser Parameters	Repetition Rate	1-200 Hz (following specifications are for 100 Hz)	1-200 Hz (following specifications are for 100 Hz)
	Energy @ 532 nm	> 140 mJ	> 140 mJ
	Energy @ 355 nm	> 90 mJ	> 90 mJ
	Beam Diameter	< 5 mm	< 5 mm
OPO	Pulse Width	5-10 ns	5-10 ns
	Tuning Range (532 nm pumped)	675-980 nm (signal) 1170-2500 nm (idler)	670-1064 nm (signal) 1064-2500 nm (idler)
	Tuning Range (355 nm pumped)	413-680 nm (signal) 730-2500 nm (idler)	418-709 nm (signal) 709-2500 nm (idler)
	Wavelength Shifting Time	10 ms (full span)	20 ms (full span)
	Line Width	10-450 cm <sup>-1</sup>	down to 5 cm <sup>-1</sup>
	Signal Output Energy @ 750 nm (532 nm pumped)	> 30 mJ	> 25 mJ
	Signal Output Energy @ 450 nm (355 nm pumped)	> 15 mJ	> 10 mJ
Operating Parameters	Warranted Diode Lifetime	2 years / 2 billion shots *	2 years / 2 billion shots *
	Electrical Supply	208-240 VAC, 50/60 Hz, 2.0 kW	208-240 VAC, 50/60 Hz, 2.0 kW
	External Cooling Water (optional water-air cooling)	8 l/min, 2-6 bar, < 20 °C	8 l/min, 2-6 bar, < 20 °C
Weight	Laser Head	30 kg	30 kg
	Power Supply 19"	30 kg	30 kg
	Chiller 19" (water-water)	20 kg	20 kg
Dimensions	Laser Head	780 x 317 x 125 mm	780 x 317 x 125 mm
	Power Supply	19", 4 RU	19", 4 RU
	Chiller (water-water)	19", 3 RU	19", 3 RU
	Chiller (water-air)	19", 6 RU	19", 6 RU



InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice.

\* 2 years after installation or 2 billion (2 x 10<sup>9</sup>) shots – whichever comes first

InnoLas Laser GmbH is DIN EN 60825-1: 2015-7 certified.

**InnoLas Laser GmbH** | Justus-von-Liebig-Ring 8 | 82152 Krailling | Germany  
Phone: +49 (89) 899 360 - 1400 | Fax: +49 (89) 899 360 - 1499  
E-mail: info@innolas-laser.com | Homepage: www.innolas-laser.com

