

## SpitLight 600 and 1000 OPO

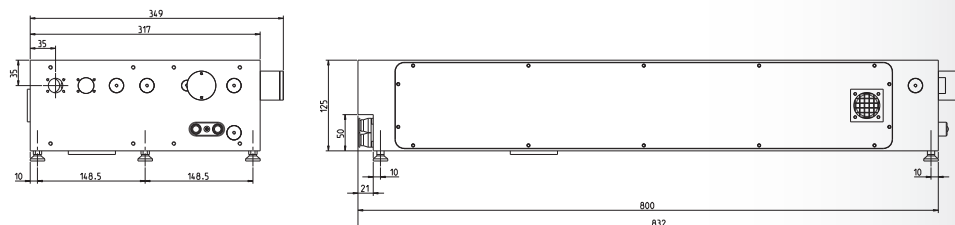


### Features

- \* Pulse to pulse tunable OPOs with wavelength ranges from 410 to 2500 nm and repetition rates up to 30 Hz
- \* High pulse energy in each spectral region due to flashlamp-pumped Nd:YAG laser at 355 nm or 532 nm
- \* Stable mechanical and optical setup in a compact monolithic housing containing both laser and OPO
- \* Spitlight GUI software including wavelength calibration to control the whole device
- \* Remote client interface over TCP/IP for easy software integration
- \* Many integrated options available like energy monitor, spectrometer, automatic wavelength calibration, fiber coupling, fast attenuation or UV generation (210-410 nm)

# SpitLight 600 and 1000 OPO

Model	SpitLight 600 OPO Broadband	SpitLight 600 OPO Midband	SpitLight 1000 OPO Broadband	SpitLight 1000 OPO Midband
<b>Pump Laser Parameters</b>				
Repetition Rate	1-30 Hz (following specifications are for 10 Hz)	1-30 Hz (following specifications are for 10 Hz)	1-30 Hz (following specifications are for 10 Hz)	1-30 Hz (following specifications are for 10 Hz)
Energy @ 532 nm	> 400 mJ	> 400 mJ	on request	on request
Energy @ 355 nm	> 240 mJ	> 240 mJ	> 320 mJ	> 320 mJ
Beam Diameter	6.5 mm	6.5 mm	8 mm	8 mm
<b>OPO</b>				
Pulse Width	4-7 ns	4-7 ns	4-7 ns	4-7 ns
Tuning Range (532 nm pumped)	680-980 nm (signal) 1160-2400 nm (idler)	670-1090 nm (signal) 1050-2500 nm (idler)	on request	on request
Tuning Range (355 nm pumped)	410-690 nm (signal) 730-2500 nm (idler)	420-709 nm (signal) 709-2300 nm (idler)	410-690 nm (signal) 730-2500 nm (idler)	420-709 nm (signal) 709-2300 nm (idler)
Wavelength Shifting Time	< 30 ms (full span)	< 30 ms (full span)	< 30 ms (full span)	< 30 ms (full span)
Line Width	10-450 cm <sup>-1</sup>	down to 5 cm <sup>-1</sup>	10-450 cm <sup>-1</sup>	down to 5 cm <sup>-1</sup>
Signal Output Energy @ 750 nm (532 nm pumped)	> 100 mJ	> 80 mJ	on request	on request
Signal Output Energy @ 450 nm (355 nm pumped)	> 60 mJ	> 50 mJ	> 85 mJ	> 70 mJ
<b>Operating Parameters</b>				
Warranted Lamp Lifetime	> 20 million shots		> 20 million shots	
Electrical Supply	208-240 VAC, 50/60 Hz, 2.5 kW		208/400 VAC (3phase), 50/60 Hz, 5 kW	
External Cooling Water (optional water-air cooling)	8 l/min, 2-6 bar, < 20 °C		8 l/min, 2-6 bar, < 20 °C	
<b>Weight</b>				
Laser Head	30 kg	30 kg	30 kg	30 kg
Power Supply / Chiller Unit	50 kg	50 kg	60 kg	60 kg
<b>Dimensions</b>				
Laser Head (L x W x H)	800 x 317 x 125 mm	800 x 317 x 125 mm	800 x 317 x 125 mm	800 x 317 x 125 mm
Power Supply (L x W x H)	560 x 400 x 425 mm	560 x 400 x 425 mm	560 x 400 x 425 mm	560 x 400 x 425 mm



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

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

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