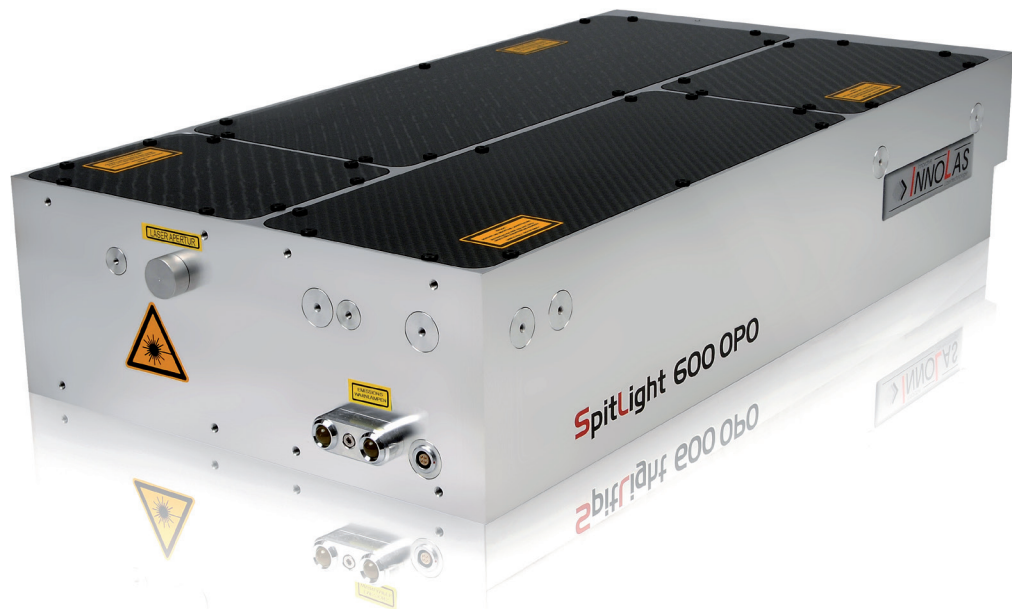


## SpitLight 600 and 1000 OPO

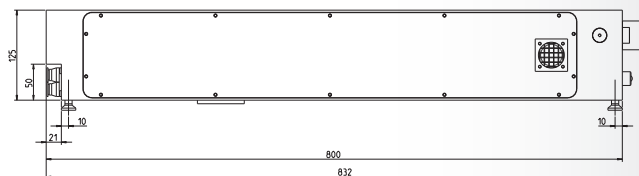
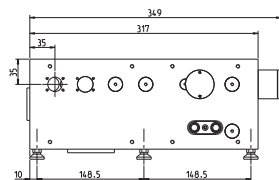


### Features

- \* Pulse to pulse tunable OPOs with wavelength ranges from 410 to 2500 nm and repetition rates up to 30 Hz
- \* High OPO pulse energies up to 250 mJ
- \* Stable mechanical and optical setup in a compact monolithic housing containing both laser and OPO
- \* SpitLight 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, fiber coupling, fast attenuation, low divergence output or OPO harmonic generation (210-660 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)	
Energy @ 532 nm	> 400 mJ		> 600 mJ	
Energy @ 355 nm	> 240 mJ		> 320 mJ	
Beam Diameter	6.5 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) 1180-2400 nm (idler)	670-1090 nm (signal) 1050-2500 nm (idler)	680-980 nm (signal) 1180-2400 nm (idler)	670-1090 nm (signal) 1050-2500 nm (idler)
Tuning Range (355 nm pumped)	410-680 nm (signal) 740-2500 nm (idler)	420-709 nm (signal) 709-2300 nm (idler)	410-680 nm (signal) 740-2500 nm (idler)	420-709 nm (signal) 709-2300 nm (idler)
Wavelength Shifting Time	< 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	> 150 mJ	> 120 mJ
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, < 15 °C		8 l / min, 2-6 bar, < 15 °C	
<b>Weight</b>				
Laser Head	30 kg		30 kg	
Power Supply / Chiller Unit	50 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	
Power Supply (L x W x H)	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.

\* typical tuning curves are available on our homepage

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

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