

SpitLight Compact 200 and 400 OPO



Features

- * Pulse to pulse wavelenth tunable OPOs ranging from 410 to 2500 nm and repetition rates up to 20 Hz
- * OPO pulse energies up to 100 mJ
- * Stable mechanical and optical setup in a compact monolithic housing containing both laser and OPO
- * SpitLight Software including full Laser control, OPO wavelength calibration and Remote Client Interface 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 Compact 200 and 400 OPO

Model		SpitLight Compact 200 OPO Broadband	SpitLight Compact 200 OPO Midband	SpitLight Compact 400 OPO Broadband	SpitLight Compact 400 OPO Midband
Laser Parameters	Repetition Rate	1-20 Hz (following specifications are for 10 Hz)			
	Energy	Pulse Energy @ 532 nm	> 140 mJ		> 240 mJ
Pulse Energy @ 355 nm		> 70 mJ		> 120 mJ	
Beam Parameters	Pulse Width	4 - 7 ns			
	Beam Diameter	5 mm		6.5 mm	
OPO	Tuning Range (532 nm pumped)	680-980 nm (signal) 1160-2400 nm (idler)	670-1090 nm (signal) 1050-2500 nm (idler)	680-980 nm (signal) 1160-2400 nm (idler)	670-1090 nm (signal) 1050-2500 nm (idler)
	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	< 50 ms (full span)			
	Line Width	10-250 cm ⁻¹	down to 5 cm ⁻¹	10-250 cm ⁻¹	down to 5 cm ⁻¹
	Signal Output Energy @ 750 nm (532 nm pumped)*	> 40 mJ	> 30 mJ	> 60 mJ	> 50 mJ
	Signal Output Energy @ 450 nm (355 nm pumped)*	> 24 mJ	> 18 mJ	> 35 mJ	> 30 mJ
Operating Parameters	Warranted Lamp Lifetime	> 40,000,000 shots**			
	Electrical Supply	230 V ± 10% (single phase), 2.5 kW			
	Cooling Water	Integrated*			
Weights	Laser Head	20 kg			
	Power Supply	25 kg			
Dimensions	Laser Head (L x W x H)	619 x 305 x 91mm			
	Power Supply (L x W x H)	480 x 220 x 480 mm			

InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice. All specifications at 1064 nm unless otherwise noted.

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

* Ask for details please

** min. 80% energy for > 40,000,000 shots or one year after installation – whichever comes first

