

SpitLight Standard

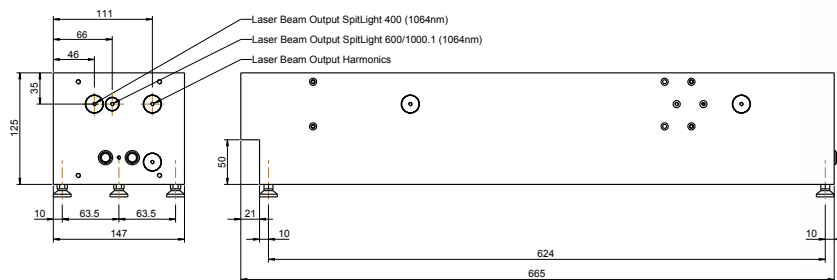


Features

- * Compact laser head and power supply with small footprint
- * Robust and stable resonator structure
- * Quick and easy change of flashlamps
- * Maintenance-free pumping chamber with ceramic reflector
- * Excellent beam quality and pointing stability
- * Long flashlamp lifetime
- * Double pulse option available
- * System can be injection seeded (SLM-Option)

SpitLight Standard

Model		SpitLight 400	SpitLight 600	SpitLight 1000.1
Laser Parameters	Repetition Rate	Product available from 1 to 100 Hz (Following specifications are for 10 Hz)		
Energy	Pulse Energy @ 1064 nm	> 400 mJ	> 800 mJ	> 1000 mJ
	Pulse Energy @ 532 nm	> 240 mJ	> 480 mJ	> 600 mJ
	Pulse Energy @ 355 nm	> 120 mJ	> 240 mJ	> 320 mJ
	Pulse Energy @ 266 nm	> 50 mJ	> 90 mJ	> 100 mJ
	Pulse Energy @ 213 nm	> 9 mJ	> 16 mJ	> 18 mJ
	Energy Stability @ 1064 nm (RMS)	< 0.7%	< 0.7%	< 0.7%
	Energy Stability @ 532 nm (RMS)	< 1.3%	< 1.3%	< 1.3%
	Energy Stability @ 355 nm (RMS)	< 2.0%	< 2.0%	< 2.0%
Beam Parameters	Pulse Width @ 1064 nm	6-8 ns	6-7 ns	6-7 ns
	Divergence	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad
	Pointing Stability	< ± 50 µrad	< ± 50 µrad	< ± 50 µrad
	Beam Diameter	6 mm	6 mm	7 mm
	Temporal Jitter	< ± 1 ns	< ± 1 ns	< ± 1 ns
Operating Parameters	Lamp Lifetime	> 20,000,000 shots	> 20,000,000 shots	> 30,000,000 shots
	Electrical Supply	208-240 VAC, 50/60 Hz, 2.5 kW	208-240 VAC, 50/60 Hz, 2.5 kW	208/400 VAC (3 phase), 50/60 Hz, 5.0 kW
	Cooling Water	8 l/min, 2-6 bar, < 20 °C	8 l/min, 2-6 bar, < 20 °C	8 l/min, 2-6 bar, < 15 °C
Weights	Laser Head	15 kg	15 kg	15 kg
	Power Supply	50 kg	50 kg	50 kg
Dimensions	Laser Head (in infrared) (L x W x H)	665 x 147 x 125 mm	665 x 147 x 125 mm	665 x 147 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



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.



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