

SpitLight Compact PIV



Features

- * Unlimited adjustable pulse separation
- * Compact laser head and power supply with small footprint
- * Robust and stable resonator structure
- * Quick and easy replacement of flashlamps
- * Maintenance-free pumping chamber with ceramic reflector
- * Excellent beam quality and pointing stability
- * Long flashlamp lifetime
- * Each cavity can be double pulsed
- * Quick connect laser head
- * Uniform super gaussian beam profile available

SpitLight Compact PIV

Model		SpitLight PIV Compact 100	SpitLight PIV Compact 400	SpitLight PIV Compact DPSS	
Laser Parameters	Repetition Rate	2 x 10 Hz		2 x 100 Hz	
	Energy	Pulse Energy @ 532 nm	> 2 x 60 mJ	> 2 x 180 mJ	> 2 x 50 mJ
		Energy Stability @ 532 nm (RMS)	< 1.3 %		< 1.0 %
Beam Parameters	Pulse Width @ 532 nm	4 - 8 ns		7 - 9 ns	
	Divergence	< 0.5 mrad			
	Pointing Stability	< ± 50 µrad			
	Beam Diameter	4 mm	6 mm	5 mm	
	Temporal Jitter	< ± 1 ns			
Operating Parameters	Warranted Lamp Lifetime	> 40,000,000 shots *		> 4 x 10 ⁹ shots **	
	Electrical Supply	two each 230 VAC ± 10% (single phase), 50/60 Hz, 1.5 kW			
	Cooling Water	Water-to-Air		8 l/min; 2-6 bar; < 20 °C	
Weights	Laser Head	20 kg			
	Power Supply (two units)	each 25 kg			
Dimensions	Laser Head (in infrared) (L x W x H)	635 x 227 x 91 mm			
	Power Supply (L x W x H)	each 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.

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

** min. 80% energy for > 4 x 10⁹ shots or two years after installation – whichever comes first

