

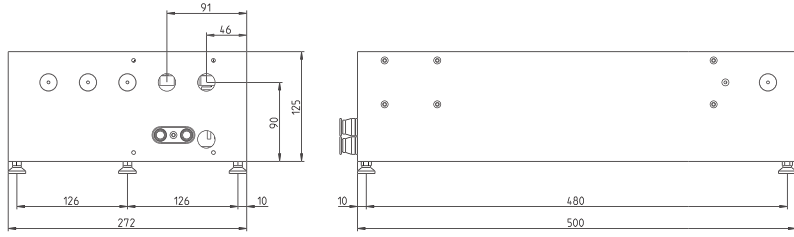
SpitLight EVO



Features

- * Up to 100 W average power (1 J @ 100 Hz)
- * Versions with improved pulse-to-pulse stability and smooth gaussian beam profile available
- * Reliable high-rep-rate performance with up to 1 kHz
- * Marketleading diode lifetime
- * Excellent size-to-power ratio
- * Robust and stable monolithic design
- * Easy scalability: EVO I to IV
- * System can be injection seeded

SpitLight EVO

Model		SpitLight EVO I	SpitLight EVO II	SpitLight EVO III	SpitLight EVO IV
Laser Parameters	Repetition Rate	Products available from 1 Hz to 1 kHz (Following specifications are for 100 Hz)			
Energy	Pulse Energy @ 1064 nm	> 180 mJ	> 350 mJ	> 600 mJ	> 1000 mJ
	Pulse Energy @ 532 nm	> 100 mJ	> 200 mJ	> 320 mJ	> 600 mJ
	Pulse Energy @ 355 nm	> 70 mJ	> 120 mJ	> 220 mJ	> 360 mJ
	Energy Stability @ 1064 nm (RMS)	0.3%			
	Energy Stability @ 532 nm (RMS)	1.1%			1.2%
	Energy Stability @ 355 nm (RMS)	2.2%	2.0%		
Beam Parameters	Beam Diameter	5.5 mm	7 mm	8 mm	8 mm
	Divergence	< 0.5 mrad			
	Pointing Stability	< ± 30 µrad			
	M ²	< 1.8			< 2.0
	Pulse Duration	5 - 8 ns			8 - 12 ns
	Temporal Jitter	< ± 1 ns			
Operating Parameters	Warranted Diode Lifetime	> 4 x 10 ⁹ shots*			
	Electrical Supply	230 ± 10% VAC (single phase), 50/60 Hz, 2.5 kW			
	Cooling Water	8 l/min, 2-6 bar, < 20 °C or water/air			
Weights	Laser Head	20 kg	30 kg		40 kg
	Power Supply	25 kg	35 kg	50 kg	
Dimensions	Laser Head (L x W x H)	500 x 147 x 125 mm	500 x 272 x 125 mm	500 x 272 x 125 mm	500 x 452 x 125 mm
	Power Supply (L x W x H)	19" rack mountable			
					

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 > 4 x 10⁹ shots or two years after installation – whichever comes first

