

SpitLight DPSS EVO



Features

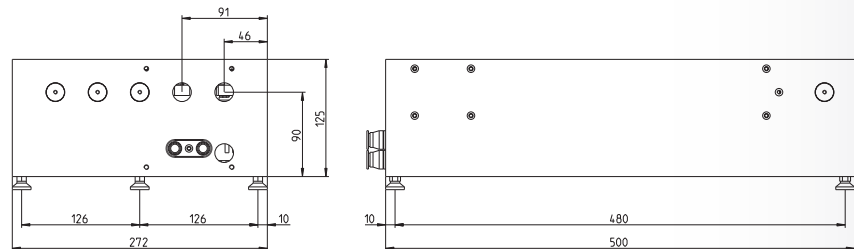
- * Up to 100 W average power (1 J @ 100 Hz)
- * Designed for high repetition rates
- * Excellent size-to-power ratio
- * Robust and stable monolithic design
- * Easy scalability: EVO I to IV
- * Long diode lifetime
- * System can be injection seeded

SpitLight DPSS EVO

Model	EVO I	EVO II	EVO III	EVO IV
Repetition Rate	The following specifications are for 100 Hz			
Energy				
Pulse Energy at 1,064 nm (beam profile/high energy optimized)	170/200 mJ	320/450 mJ	520/700 mJ	750/1000 mJ
Pulse Energy at 532 nm (beam profile/high energy optimized)	80/100 mJ	180/250 mJ	260/400 mJ	420/550 mJ
Pulse Energy at 355 nm (beam profile/high energy optimized)	50/60 mJ	100/150 mJ	170/220 mJ	250/300 mJ
Energy Stability at 1,064 nm (RMS)	0.3%	0.3%	0.3%	0.3%
Energy Stability at 532 nm (RMS)	1.1%	1.2%	1.2%	1.7%
Energy Stability at 355 nm (RMS)	2.2%	2.0%	2.0%	2.5%
Beam Parameters				
Beam Diameter 1,064 nm	6.5 mm	7 mm	9 mm	10 mm
Divergence	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad
Pointing Stability	< ± 30 µrad	< ± 30 µrad	< ± 30 µrad	< ± 30 µrad
M ² (1,064 / 532 / 355 nm)	< 2 / < 2.5 / < 3	< 2 / < 2.5 / < 3	< 2 / < 2.5 / < 3	< 2 / < 2.5 / < 3
Pulse Duration (1,064 nm)	5 – 8 ns	5 – 8 ns	5 – 8 ns	5 – 8 ns
Temporal Jitter	1 ns	1 ns	1 ns	1 ns
Operating Parameters				
Warranted Diode Lifetime	2 years/2 billion shots*	2 years/2 billion shots*	2 years/2 billion shots*	2 years/2 billion shots*
Cooling System	water/water or water/air	water/water or water/air	water/water or water/air	water/water or water/air
Electrical Supply (19" rack mountable)	1,5 kW/3 RU	2 kW/4 RU	2,5 kW/6 RU	3 kW/6 RU

Weights and Dimensions

Weight Laser Head / Power Supply	20/25 kg	30/35 kg	30/50 kg	40/50 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 425 x 125 mm



InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice.

* 2 years after installation or 2 billion (2×10^9) shots – whichever comes first

InnoLas Laser GmbH is DIN EN 60825-1: 2015-7 certified.



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