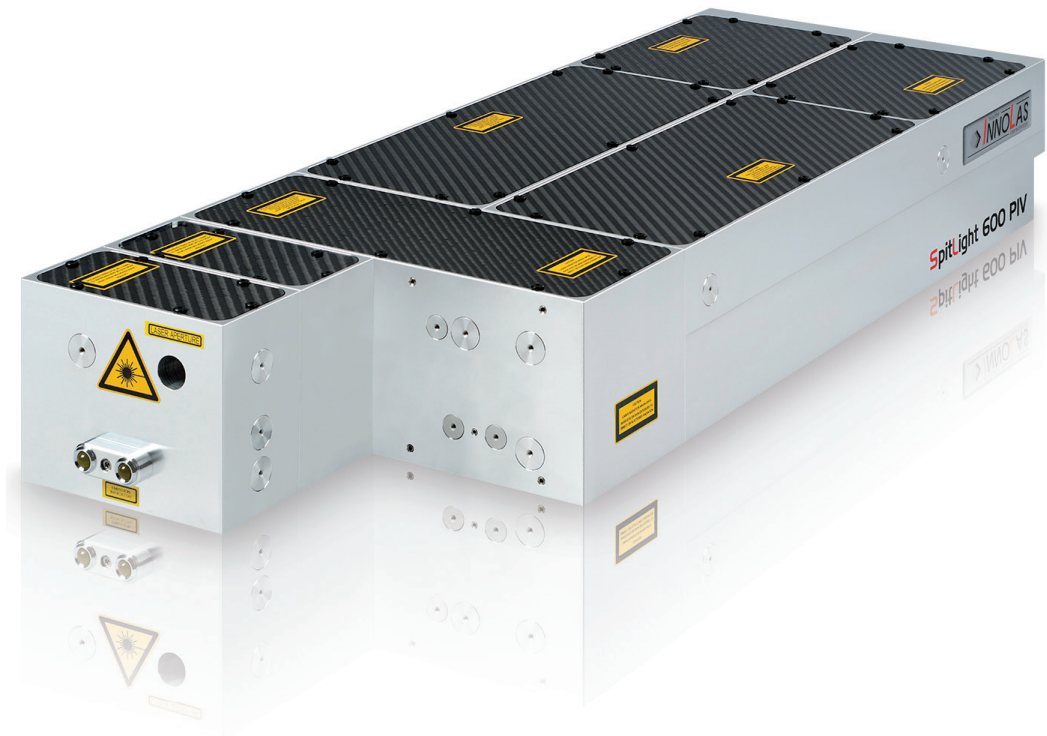


## SpitLight Standard PIV

### Double Rail Series

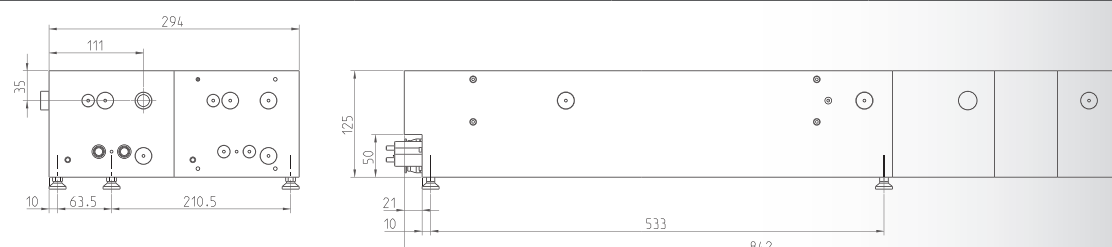


### Features

- \* 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
- \* System can be injection seeded (SLM-Option)
- \* Uniform super gaussian beam profile available

# SpitLight Standard PIV

## Double Rail Series

Model		SpitLight 600 PIV	SpitLight 1000 PIV	SpitLight DPSS 250 PIV
Laser Parameters	Repetition Rate	10 Hz		100 Hz
	Pulse Energy @ 532 nm	> 2 x 350 mJ	> 2 x 500 mJ	> 2 x 120 mJ
Energy	Energy Stability @ 532 nm (RMS)	< 1.3 %		< 1.0 %
	Pulse Width @ 532 nm	6 - 10 ns		
Beam Parameters	Divergence	< 0.5 mrad		
	Pointing Stability	< ± 50 µrad		
	Beam Diameter	7 mm		6 mm
	Temporal Jitter	< ± 1 ns		
	Warranted Pump Source Lifetime	> 40,000,000 shots*		> 4 x 10 <sup>9</sup> shots**
Operating Parameters	Electrical Supply	two each 230 VAC ± 10% (single phase), 50/60 Hz, 2.5 kW	two each 400 VAC ± 10% (3 phase), 50/60 Hz, 5.0 kW***	two each 230 VAC ± 10% (single phase), 50/60 Hz, 2.5 kW
	Cooling Water	8 l/ min; 2-6 bar; < 20 °C		8 l/ min; 2-6 bar; < 20 °C
Weights	Laser Head	30 kg		
	Power Supply (two units)	each 50 kg		
Dimensions	Laser Head (in infrared) (L x W x H)	842 x 294 x 125 mm		
	Power Supply (L x W x H)	each 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.

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

\*\* min. 80% energy for > 4 x 10<sup>9</sup> shots or two years after installation – whichever comes first

\*\*\* 230 VAC electrical supply can be used after alterations

