

Excellence through light.



JenLas.™ WhiteLight.

10 W modulated white light laser.



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Features:

- JenLas.™ WhiteLight is the first industrial white light laser on a solid-state basis. It has a colour balanced, modulated output above 10 W.
- Its three lasing lines at 446 nm, 532 nm, and 628 nm open a huge colour spectrum with highest image quality and brilliant contrast never seen before with traditional argon ion lasers.
- The system contains its own internal cooling system. The long lifetime and a power consumption of less than 3 kW boost your light show, not your running costs.
- A fibre-coupled output offers easy control and interface to any kind of beam projection. The laser is available with one or two independently modulated output channels.

Technology:

- MOPA laser technology.
- Diode pumping.
- Solid state laser technology.
- NLO technology.

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10 W modulated white light laser.

Specifications

Parameters	Without modulation	With modulation
Output Power (behind fibre coupler):		
Red (628 nm)	3.8 W (minimum) > 5.7 W (typical)	3.0 W (minimum) > 4.6 W (typical)
Green (532 nm)	3.7 W (minimum) > 5.4 W (typical)	2.9 W (minimum) > 4.3 W (typical)
Blue (446 nm)	2.5 W (minimum) > 3.9 W (typical)	2.0 W (minimum) > 3.1 W (typical)
=> Σ White light	10.0 W (minimum) > 15.0 W (typical)	7.9 W (minimum) > 12.0 W (typical)
Control Input (AOTF)		Analog 10 V (D-Sub, 9 pins)
Control Input (Laser)	RS 232	RS 232
System requirement	PC with Windows 9x, ME, NT, 2000 or XP (not included)	
Fibre coupling	FC/PC (other standards upon request)	
Pulse duration	< 10 ps	
Pulse repetition frequency	> 80 MHz	
Contrast ratio	> 10 ⁶ : 1	
Power stability	< \pm 3 % over 8 h	
Amplitude noise	< 3 % RMS	
Modulation frequency	50 kHz	
Safety standard	External interlock (laser class 4)	
Electrical requirements	230 V, < 3 kW, 50 Hz / 60 Hz (CEE 16 A connector)	
Dimensions (W x H x D)	1.265 mm x 1.130 mm x 605 mm	
Weight	280 kg	
Storage temperature range	5 °C ... + 50 °C	
Operating temperature range	+ 15 °C ... + 30 °C	
Humidity	65 % \pm 15 % at 25 °C	
Options:	2 m fibre (FC/PC – FC/PC-connector)	
	30 m fibre (FC/PC – FC/PC-connectors)	
	2 output channels (both independently modulated, one branch with and one without modulator or both without modulator)	

As our policy is constantly to improve the design and specification, the details here shown are not be regarded as binding.