



Air-cooled Argon Laser LPA-800

The LPA- 800 is a high-power, air-cooled ion laser that produces up to 500mW all lines, multimode. The heart of this laser is an extended bore laser tube. Its hard-seal, internal mirror design substantially eliminates alignment and contamination problems. The laser tube incorporates patented tube design features for exceptional long tube life and stability. The PS-8100 is the appropriate choice power supply for this laser head. Output option will have to be defined upon ordering.

Compatibility to Original Manufacturer:

ILT 5500/6500 Lasers

Laser	LPA-800	
Gasfilling	Argon	
Wavelength (nm)	Output Power	
Multi-line, TEMmm	458 - 514 nm	> 500 mWatt
Polarisation, multi line	random	
Divergence, multi line	< 1,9 mRad	
Beam diameter	0,87mm +/- 5%	
Single-line, TEM00	458 nm	> 20 mWatt
	488 nm	> 100 mWatt
	514 nm	> 75 mWatt
Polarisation, single line	> 100 : 1	
Divergence, single line	< 1 mRad	
Beam diameter	0,83mm +/- 5%	
Pointing stability	+/- 30 µRad/ +/- 3°C	
Power stability	< 2% in 2 hrs.	
Warranted lifetime of lasertube	> 6000 hrs.	
Average lifetime	> 10000 hrs.	
Cooling	Air	
Mains supply	115/ 230 VAC +/- 10%, 50/60 Hz	
Power consumption	< 4,6 KVA	
Dimensions and Weights		
Laserhead	455 x 139 x 197 mm / 9,6 Kg	
Power supply, PS-8100	285 x 145 x 220 mm / 8 Kg	