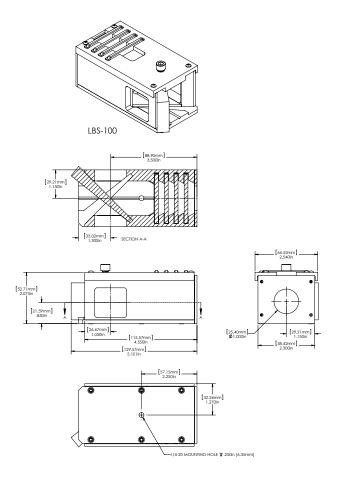
LBS-100 Attenuator

The LBS-100 system that is not as compact as the LBS-300s above but has larger aperture, and has versions for longer wavelengths. The system contains the mounting frame, 1 wedge beam splitter and several attenuators. The exit end of the LBS-100 is standard C mount thread so all our cameras can be mounted to the frame. The wedge angle is 6.5 degrees to insure that the reflection from the rear side will not enter the camera. The optical elements are flat to 1/4 wave in the visible to ensure no distortion of the beam.



Specifications

Model	LBS-100		LBS-100 YAG	LBS-100 IR 0.5	LBS-100 IR 5.0	
Wavelengths	400 - 700nm recommended, functional to 2600nm		1064nm	10.6µm	10.6µm	
Wedge Material	UVFS		UVFS	ZnSe	ZnSe	
Wedge Coating	No coating, 4% reflection		A/R ≤1%	A/R ≤0.5%	A/R ≤5%	
Clear Aperture	19mm		19mm	19mm	19mm	
Filter Material	Bulk ND		Bulk ND	CaF2	CaF2	
Filter ND Values/ Transmission	0.3, 0.7, 1.0, 2.0, 3.0, 4.0 ND at 632nm		0.3, 0.7, 1.0, 2.0, 3.0, 4.0 ND at 632nm	30% T for 3mm flat, 60% T for 1mm flat	30% T for 3mm flat, 60% T for 1mm flat	
Filter Damage (1)	50W/cm ²		50W/cm ²	50W/cm ²	50W/cm ²	
Part number	SP90061		SP90057	SP90058	SP90059	
Accessories						
LBS-100 filter set Replacemen		Replacement f	filter set			SP90141
LBS-100 –YAG filter set Replace		Replacement f	eplacement filter set			SP90142
LBS-100 to SM2 Adapter Moun		Mount SP5049	Jount SP504S camera to LBS-100 attenuator			
			enables mounting of the LBS-100 beam splitter/attenuator assembly in front of reducer. The combined assembly can image large high power beams in one unit.			SPZ17029
Note: (1) ND filters should be used at 5	W/cm² for beam si	ze 5mm, 10W/cm ²	for 2mm beam and >30W/cm2 for 1	mm beam to avoid thermal lensing eff	ects.	



The LBS beam splitter/attenuator system can be combined with the 4X beam reducer, to attenuate and view large beams.

