

LBS-100 Attenuator

The LBS-100 system that is not as compact as the LBS-300 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.

LBS-100 System



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

Ordering Information

Item	Wavelength range	Absorber material	Neutral Densities or transmission	Wedge material and reflection	Max power density on ND filters	Clear aperture	Dimensions	P/N
LBS-100	400 - 700nm recommended, functional to 2600nm	Neutral density glass	0.3, 0.7, 1.0, 2.0, 3.0, 4.0 ND at 632nm	Fused Silica 4% in wavelength range 400 - 900nm	5W/cm ² for no distortion, 50W/cm ² damage	19mm	65mm W x 55mm H x 140mm D	SP90061
LBS-100 YAG	1064nm	Same	Same	1% at 1064nm	Same	Same	Same	SP90057
LBS-100 IR 0.5	10.6μm	CaF ₂ flats, 3 -3mm and 1-1mm	30% T for 3mm flat, 60% T for 1mm flat at 10.6μm	ZnSe 0.5% at 10.6μm	Same	Same	Same	SP90058
LBS-100 IR 5.0	10.6μm	Same	Same	ZnSe 5% at 10.6μm	Same	Same	Same	SP90059
Accessories								
LBS-100 filter set	Replacement filter set							SP90141
LBS-100 -YAG filter set	Replacement filter set							SP90142
LBS-100 to L11058/L11059 adaptor	Mount L11058/L11059 camera to LBS-100 attenuator							SP90196
LBS-100 to 4X beam reducer adaptor	This adapter enables mounting of the LBS-100 beam splitter/attenuator assembly in front of the 4X beam reducer. The combined assembly can image large high power beams in one unit.							SPZ17029