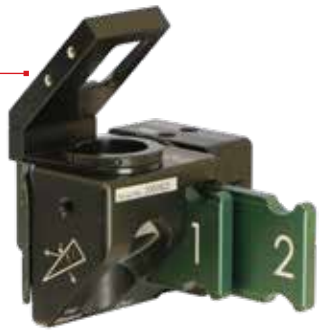
Specifications

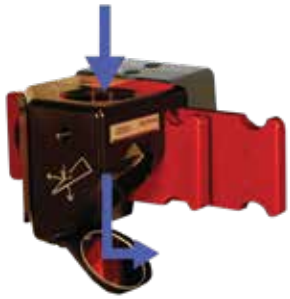
Model	LBS-300s-UV	LBS-300s-VIS	LBS-300s-NIR	LBS-300s-BB
Wavelengths	266-355nm	400-950nm	950-1800nm	190-2000nm
Wedge Material	UVFS	UVFS	UVFS	UVFS
Wedge Coating	A/R ≤1%	AR ≤1%	AR ≤1%	No coating, 4% reflection
Clear aperture	17.5mm	17.5mm	17.5mm	17.5mm
Reflection (1)	0.01%	0.01%	0.01% (2)	0.16%
Wedge ND value, each	ND ≥2	ND ≥2	ND ≥2	ND ~1.3
Maximum allowable input to wedge	1MW/cm² 5 J/cm²	1MW/cm² 5 J/cm²	1MW/cm² 5 J/cm²	10MW/cm² 20 J/cm²
ND Filters	Inconel	Bulk ND	Bulk ND	Combination of Inconel and Bulk ND
ND Values, nominal	0.3, 0.7, 1.0, 1.5, 2.0, 3.0 (Blue holders)	0.3, 0.7, 1.0, 2.0, 3.0, 4.0 (Green holders)	0.4, 0.8, 1.0, 2.0, 3.0, 4.0 (Red holders)	See Broad Band (BB) chart below
Filter Slides	3	3	3	5
Maximum allowable input to filter (3)	100 W/cm² CW 20mJ/cm², 10ns pulse	50 W/cm² 1J/cm², 10ns pulse	50 W/cm² 1J/cm², 10ns pulse	See UV, VIS and NIR specifications
Part number	**SP90464**	**SP90465**	**SP90466**	**SP90467**

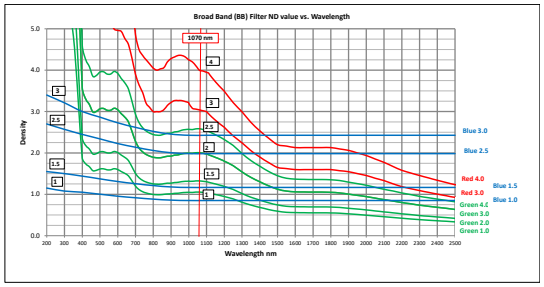
Accessories		
Large C-mount Wedge Splitter	For additional attenuation add this to the front end of the LBS-300. Good for 350-2000nm	**SP90273**
Beam Deflector Assembly	For 266 nm, high damage threshold	**SP90287**
Beam Deflector Assembly	For 355 nm, high damage threshold	**SP90286**
Beam Deflector Assembly	For 532 nm, high damage threshold	**SP90285**
Beam Deflector Assembly	For 1064 nm, high damage threshold	**SP90284**
2" LT- Mount Extension Tube	2" Extension tube between LBS-300s and camera, reduces noise on the camera, reduces intensity on ND, other uses	**SP90575**
3" LT- Mount Extension Tube	3" Extension tube between LBS-300s and camera, reduces noise on the camera, reduces intensity on ND, other uses	**SP90574**
LT To External C-Mount Adapter	Adapter to fit tube to LBS-300s - required with 2" and 3" extension tubes	**SP90576**
LT To Internal C-Mount Adapter	Adapter to fit tube to camera mount - required with 2" and 3" extension tubes	**SP90577**

Notes: (1) For reflectance Spectra see LBS-300 User Note.
(2) For 1000nm reflectance is ~0.04% and for 950nm reflectance is ~0.16%.
(3) This is the damage threshold of the filter glass of the filters. Distortion of the beam may occur with average power densities of 5W/cm² for beam size 5mm, 10W/cm² for 2mm beam and >30W/cm² for 1mm beam

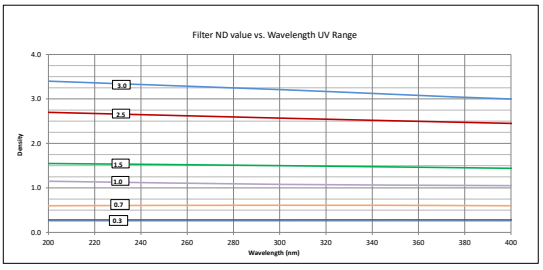
Optional SP90273 Large C-mount Wedge Splitter



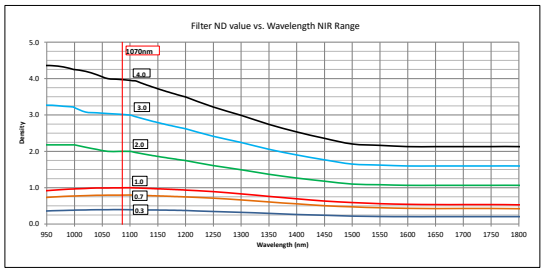




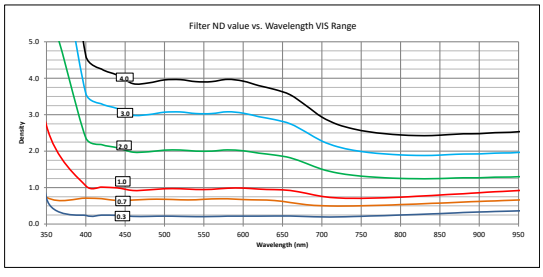
VIS and NIR ND glass filter set (Green and Red Holders) & UV metallic coating filter set (Blue) - SP90467



UV filter set (Blue Holders) – SP90464



NIR filter set (Red Holders) – SP90466



VIS filter set (Green Holder) – SP90465