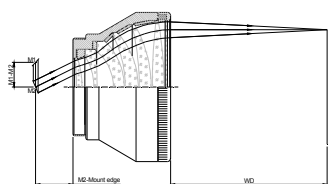


Part No.	Dia (mm)	Thk (mm)	Material	Side 1 Reflectivity (%R)	Polarization	Wavelength
BSZ1.1-3-50%R-PIS	27.9	3.0	ZnSe	50%	Insensitive	10.6 $\mu$ m
BSZ1.1-3-50%R-P	27.9	3.0	ZnSe	50%	P-Pol	10.6 $\mu$ m
BSZ1.1-3-27%R-S	27.9	3.0	ZnSe	27%	S-Pol	10.6 $\mu$ m
BSZ1.5-3-27%R-S	38.1	3.0	ZnSe	27%	S-Pol	10.6 $\mu$ m
BSZ1.5-3-50%R-P	38.1	3.0	ZnSe	50%	P-Pol	10.6 $\mu$ m
BSZ1.5-3-50%R-PIS	38.1	3.0	ZnSe	50%	Insensitive	10.6 $\mu$ m
BSZ1.5-3-50%R-S	38.1	3.0	ZnSe	50%	S-Pol	10.6 $\mu$ m
BSZ1-3-50%R-9.4PIS	25.4	3.0	ZnSe	50%	Insensitive	9.4 $\mu$ m
BSZ1.5-3-50%R-9.4PIS	38.1	3.0	ZnSe	50%	Insensitive	9.4 $\mu$ m
BSZ2-3-50%R-9.4U	50.8	3.0	ZnSe	50%	U-Pol	9.4 $\mu$ m
BSZ2-5-50%R-9.4PIS	50.8	5.0	ZnSe	50%	Insensitive	9.4 $\mu$ m

NOTE: Beam Splitter of different sizes and materials are available upon request.

## ZnSe/Ge Telecentric Scan Lens 10.6/9.4 $\mu$ m

Telecentric scanning lenses are a special configuration in which the arrangement of optics is designed to focus down the beam such that it is always perpendicular to the flat field. This is accomplished by ensuring that the system 'stop' is located at the front focal point of the lens system. The 'stop' is located at the position where the beam is deflected from the axis. In a single-axis scanning system, this location is at the scanning mirror. For two-axis scanning, the stop is mid-way between the mirrors.



### TSL Series - 10.6/9.4 $\mu$ m

Part No.	EFL (mm)	Scan Field (mm)	*Spot size ( $\mu$ m)	En-trance Pupil (mm)	Max. Scan Angle (deg.)	BFL (mm)	Thread	M1-M2 Separation (mm)	WD (mm)	Wavelength
TSL-10.6-50-100G	100.0	50x50	57.3	25.0	20.5	110.0	M85x1	20.0	106.1	10.6 $\mu$ m
TSL-9.6-70-140ZA	140.0	70x70	127.5	15.0	20.5	94.3	M85x1	20.0	92.3	9.6 $\mu$ m
TSL-9.4-50-75	75.0	50x50	73.2	20.0	28.0	73.4	M85x1	28.0	70.4	9.4 $\mu$ m
TSL-9.4-65-100	100.0	65x65	88.0	20.0	27.1	109.9	M85x1	28.0	109.2	9.4 $\mu$ m
TSL-9.4-70-120	120.0	70x70	104.0	20.0	24.0	112.0	M85x1	25.6	111.0	9.4 $\mu$ m

NOTE: Telecentric lenses of different FL are available upon request.

\* spot size for reference only