

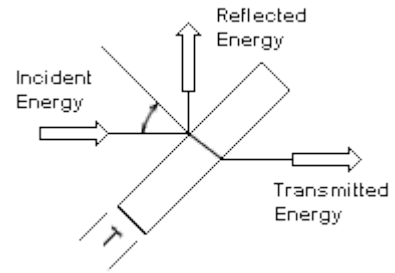
ZINC SELENIDE (ZnSe) WINDOWS

Beamsplitters is set at 45° angle of incidence to receive orthogonal beams (being reflected and passed). While the reflectance/ transmittance ratio will be significantly different for S- and P- polarisations at 45° angle of incidence.

The polarisation state of the laser must specified when ordering this position.

Standard Specifications:

Optical Material:	Laser Grade CVD Zinc Selenide
Diameter Tolerance:	+/-0.1mm
Thickness Tolerance:	± 0.2mm
Clear Aperture:	>90%
Parallelism:	<3 are minutes
Surface Quality:	40-20 scratch-dig
Wavefront Distortion:	2 fringes
Bevel:	<0.25mm X 45°
Coating:	R/T: 50%/50%+/-5% at 10.6um



Standard ZnSe Right Angle Prisms

Dia(mm)	Thickness(mm)	R/T	AOI	Product Number
25.40	3.0	50/50	45°	UQT-BPSZ0100
25.40	4.0	50/50	45°	UQT-BPSZ0101
38.10	3.0	50/50	45°	UQT-BPSZ0102
38.10	4.0	50/50	45°	UQT-BPSZ0103

Please Contact [ultiQuest](#) for other dimensions in prototype and production quantities.

NOTES!

- ➔ ZnSe reacts readily with acidic substances, generating toxic selenium oxide gas. Never clean with acidic washing solutions.
- ➔ ZnSe is classified as a toxic material by law. Transactions involving ZnSe or products incorporating ZnSe require a certificate of transfer.
- ➔ Disposal of ZnSe optics as general waste is prohibited. Please notify us if you need to dispose of such products. (Ultiquest Technologies products only.)
- ➔ Be sure to wear laser safety goggles when checking optical path and adjusting optical axis.