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38.1mm Dia., 3mm Thick, 3° Wedge, ISP Optics Zinc Selenide (ZnSe) Wedged Window | ZC-WW3-38-3

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Stock **#24-686** CLEARANCE CONTACT US

⊖ 1 ⊕ ₹50,850

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General

Model Number:
ZC-WW3-38-3

Type:
Protective Window

Physical & Mechanical Properties

32.38	Clear Aperture CA (mm):
38.10 +0.00/-0.13	Diameter (mm):
3.00 ±0.13	Thickness (mm):
Protective as needed	Bevel:
85	Clear Aperture (%):
Fine Ground	Edges:
0.28	Poisson's Ratio:
67.2	Young's Modulus (GPa):
120.00	Knoop Hardness (kg/mm²):

Optical Properties

Uncoated	Coating:
Zinc Selenide (ZnSe)	Substrate: <input type="checkbox"/>
2.631	Index of Refraction (n_d):
60-40	Surface Quality:
600 - 18000	Wavelength Range (nm):
2λ @ 10.6μm	Surface Flatness (P-V):
3° ±0.5	Wedge Angle (°):

Material Properties

5.27	Density (g/cm³):
7.57	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:
Latvia	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

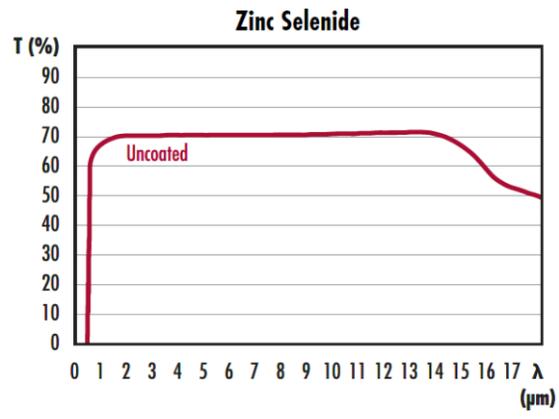
Product Details

- 30 Arcmin and 3° Wedge Versions Available
- Low Dispersion
- Eliminate Etalon Effect and Cavity Feedback
- [Precision Flat Zinc Selenide Windows](#) Also Available

ISP Optics Zinc Selenide (ZnSe) Wedged Windows feature a 30 arcmin or 3° wedge to eliminate fringe patterns from etalon effects as well as prevent cavity feedback. Zinc selenide has wide usage in high power CO₂ laser systems due to its low absorption and high resistance to thermal shock. ISP Optics Zinc Selenide (ZnSe) Wedge Windows feature a broad wavelength range with excellent transmission in the IR, making them ideal for a wide variety of IR applications including thermal imaging, FLIR, and medical diagnostic systems.

Note: Special care should be taken when handling zinc selenide as it is a toxic material. Always wear rubber or plastic gloves to avoid risk of contamination.

Technical Information



Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools