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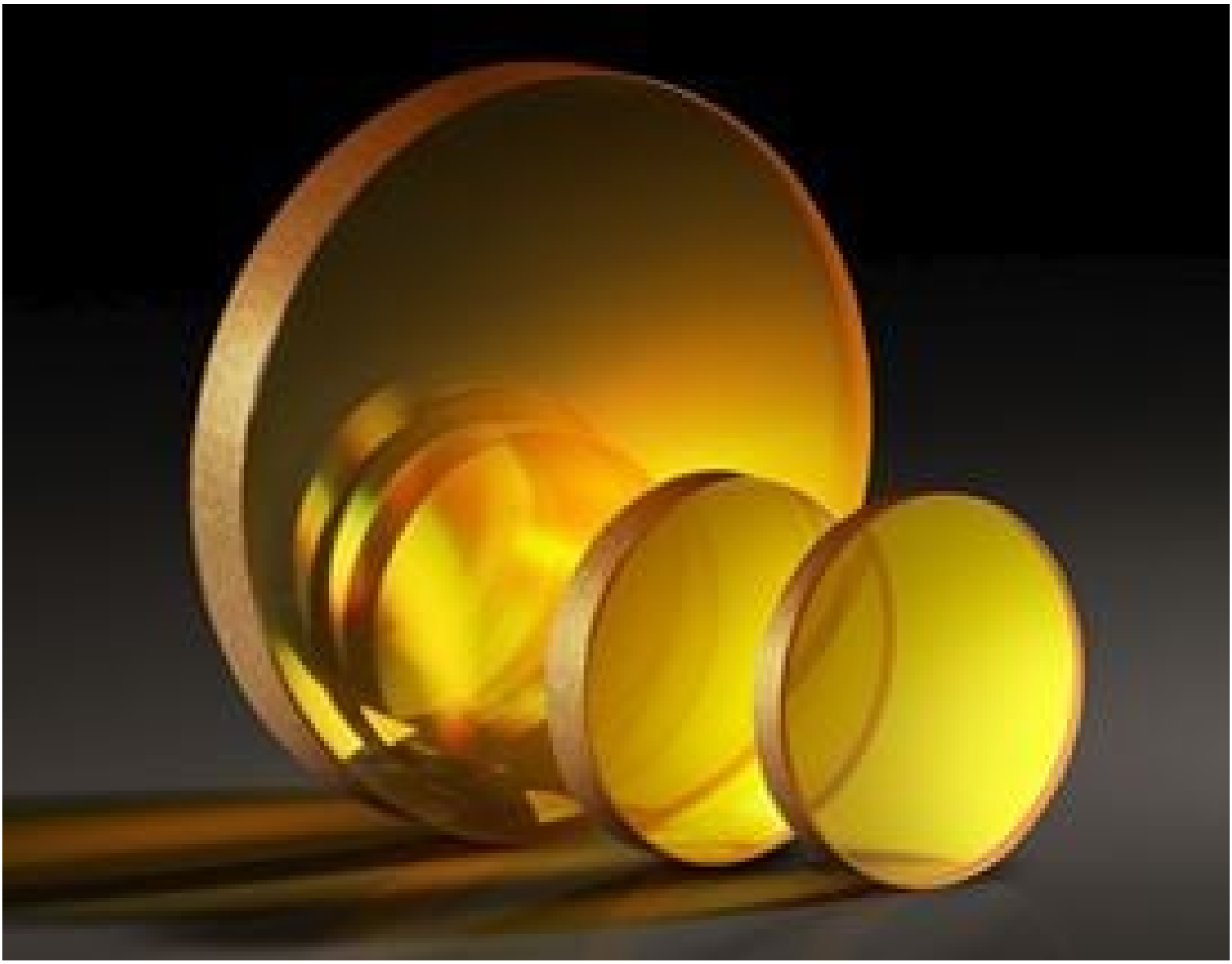
38.1mm Dia., 3mm Thick, 3° Wedge, ISP Optics Zinc Selenide (ZnSe) Wedged Window | ZC-WW3-38-3

See More by ISP Optics



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

- 1 + €580.00

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Volume Pricing	
Qty 1+	**€580,00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Protective Window

Model Number:
ZC-WW3-38-3

Physical & Mechanical Properties

Bevel:
Protective as needed

Clear Aperture (%):
85

Clear Aperture CA (mm):
32.38

Diameter (mm):
38.10 +0.00/-0.13

Thickness (mm):
3.00 ±0.13

Edges:
Fine Ground

Knoop Hardness (kg/mm^2):
120.00

Poisson's Ratio:
0.28

Young's Modulus (GPa):
67.2

Optical Properties

Coating:
Uncoated

Index of Refraction (n_d):
2.631

Substrate:
Zinc Selenide (ZnSe)

Surface Flatness (P-V):
2λ @ 10.6µm

Surface Quality:
60-40

Wavelength Range (nm):
600 - 18000

Wedge Angle (°):
3° ±0.5

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
7.57

Density (g/cm^3):
5.27

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 240:
Compliant

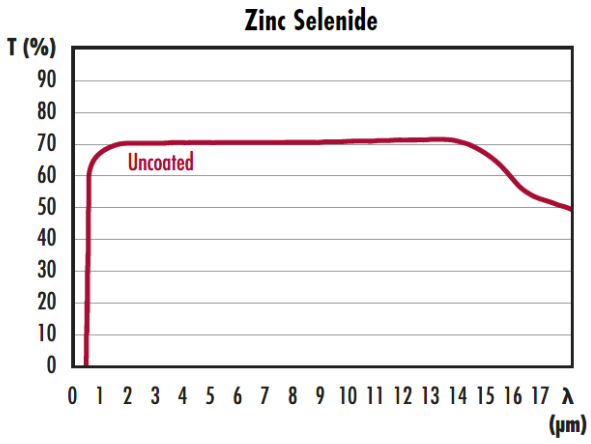
Product Details

- 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 CO_2 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

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.**