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# Zinc Selenide, 25.4mm, Uncoated, IR Right Angle Prism

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Infrared (IR) Right Angle Prisms

Stock **#64-123** **4 In Stock**

⊖ 1 ⊕ €1.560<sup>00</sup>

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Volume Pricing	
Qty 1-5	€1.560,00 each
Qty 6-25	€1.250,00 each
Qty 26-49	€1.170,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

## Product Downloads

### General

Right Angle Prism **Type:**

### Physical & Mechanical Properties

±0.25 **Dimensional Tolerance (mm):**

85.00	Clear Aperture (%):
35.90	Length of Hypotenuse (mm):
25.40	Length of Legs (mm):
Optical Properties	
Uncoated	Coating:
Zinc Selenide (ZnSe)	Substrate: <input type="checkbox"/>
60-40	Surface Quality:
±10	Angle Tolerance (arcmin):
Left-Handed	Image Orientation:
90	Ray Deviation (°):
600 - 18000	Wavelength Range (nm):
0.6 - 18	Wavelength Range (μm):
2λ	Surface Flatness (P-V):

Regulatory Compliance	
<a href="#">Compliant</a>	RoHS 2015:
<a href="#">Compliant</a>	Reach 224:
<a href="#">View</a>	Certificate of Conformance:

## Product Details

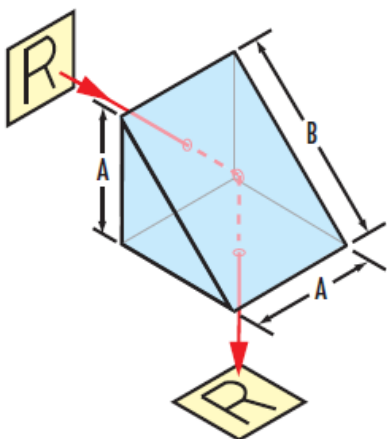
Special care should be taken when handling Zinc Selenide as it is a toxic material. Always wear rubber or plastic gloves to avoid risk of contamination.

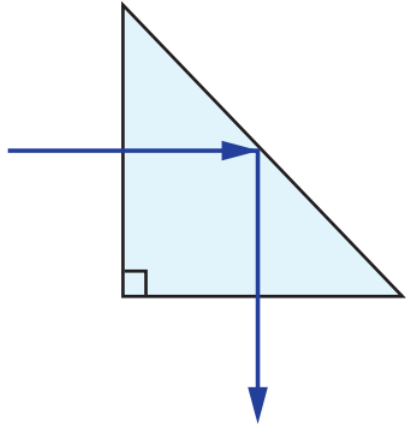
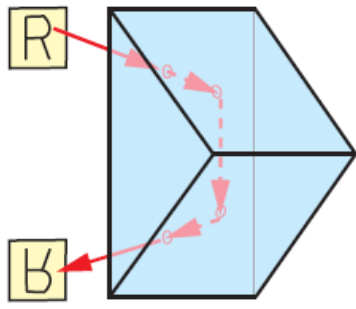
- CaF<sub>2</sub>, Ge, and ZnSe Substrates
- Ray Deviation of 90°
- Ideal for Use with Collimated Sources
- Additional [Infrared Optics](#) Available

ISP Optics Infrared (IR) Right Angle Prisms provide 90° or 180° redirection of laser beam or image paths depending on the input prism surface. Available with calcium fluoride (CaF<sub>2</sub>), germanium (Ge), or zinc selenide (ZnSe) substrates, these right-angle prisms are ideal for a range of IR laser and imaging applications. CaF<sub>2</sub> offer a low refractive index and broad transmission range from 0.2 – 7μm, making it useful for applications requiring high transmission from the UV through the IR. Ge is transmissive from 2 – 14μm with a high index of 4.002 at 11μm and is used in applications where the optical path length needs to be maximized. ZnSe has high, even transmission from 0.6 - 18μm and is typically integrated with CO<sub>2</sub> laser systems that feature a 632.8nm HeNe alignment laser and 10.6μm output beam. ISP Optics Infrared (IR) Right Angle Prisms can be used in combination for beam/image displacement.

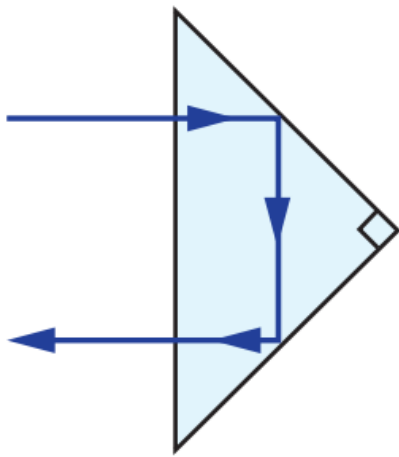
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## Technical Information

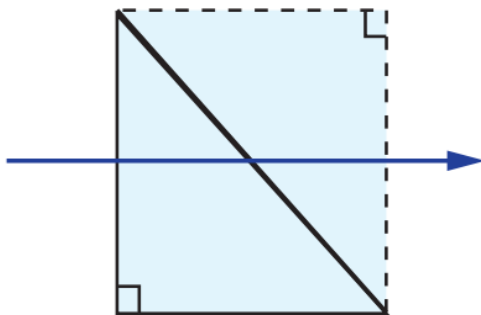




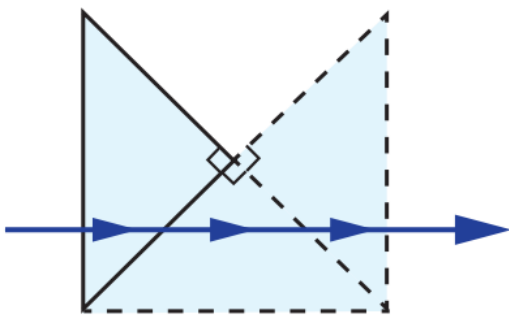
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

## 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

