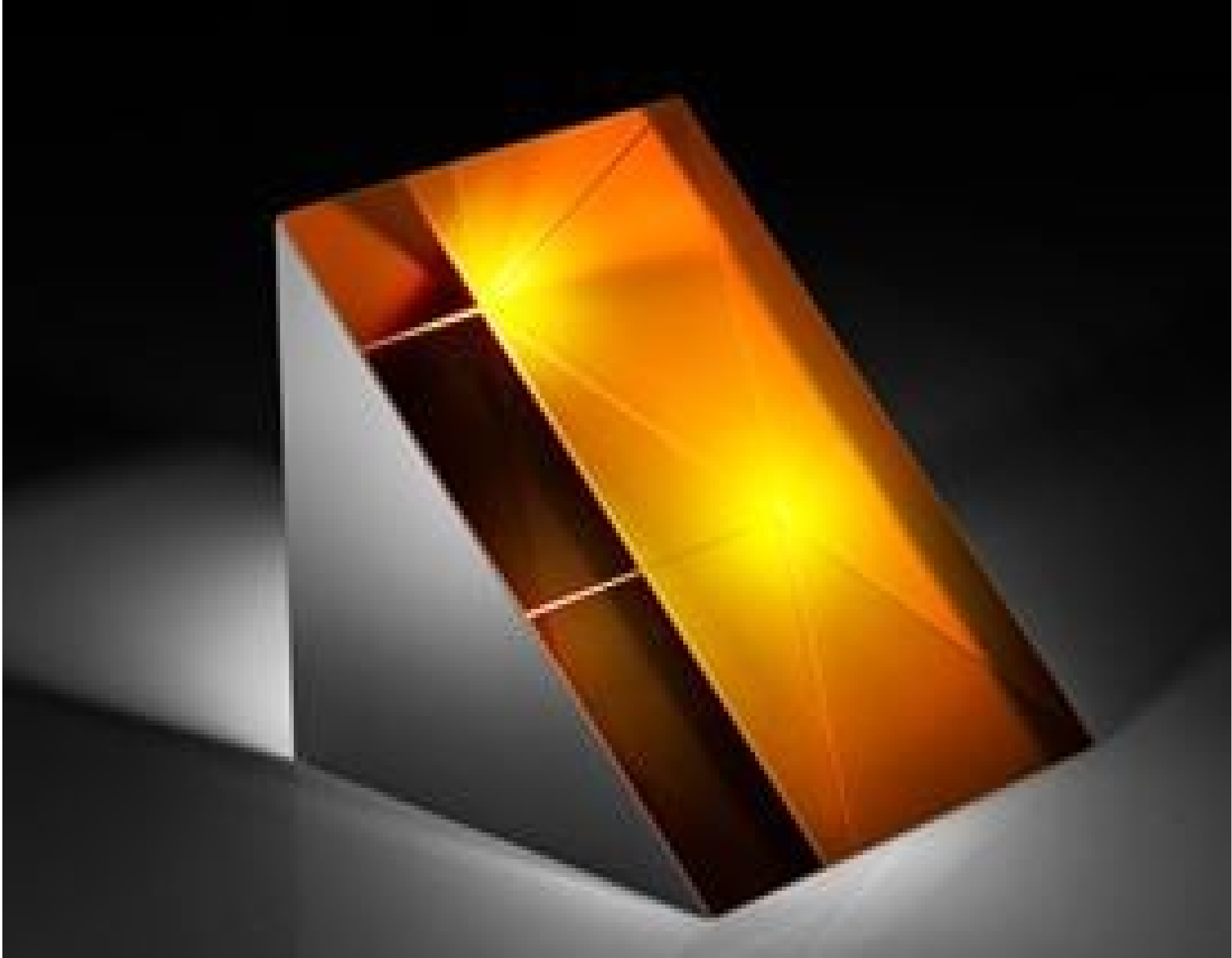


# Germanium, 25.4mm, Uncoated, ISP Optics IR Right Angle Prism | GE-RP-25

See More by [ISP Optics](#)



Infrared (IR) Right Angle Prisms

Stock **#25-041** **9 In Stock**

-

1

+

€3.760<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €3.760,00 each                |
| Qty 6-25       | €3.010,00 each                |
| Qty 26-49      | €2.830,00 each                |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:  
Right Angle Prism

Model Number:  
GE-RP-25

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:                            |
| Germanium (Ge)     | Substrate: <input type="checkbox"/> |
| 60-40              | Surface Quality:                    |
| ±10                | Angle Tolerance (arcmin):           |
| Left-Handed        | Image Orientation:                  |
| 90                 | Ray Deviation (°):                  |
| 2000 - 14000       | Wavelength Range (nm):              |
| 2 - 14             | Wavelength Range (µm):              |
| 2λ                 | Surface Flatness (P-V):             |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 240:                  |

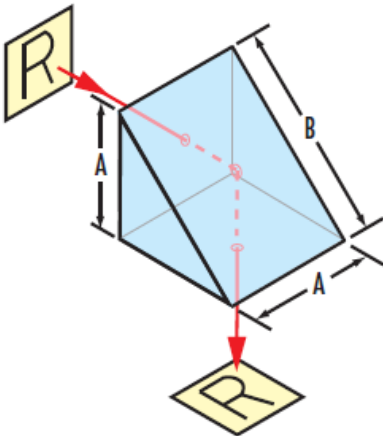
## Product Details

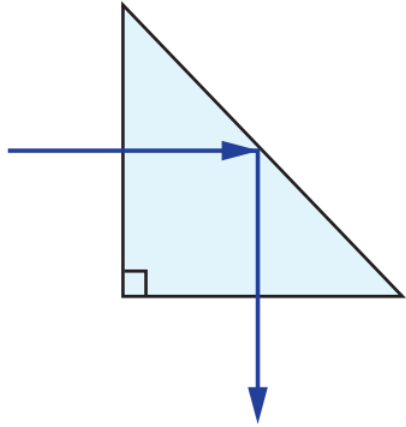
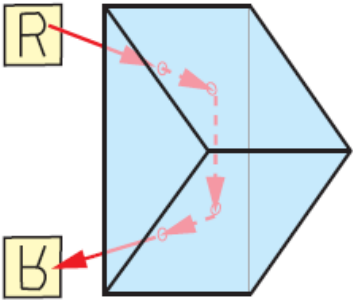
- CaF<sub>2</sub>, Ge, and ZnSe Substrates
- Ray Deviation of 90°
- Ideal for Use with Collimated Sources
- Additional [Infrared Optics](#) Available

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.

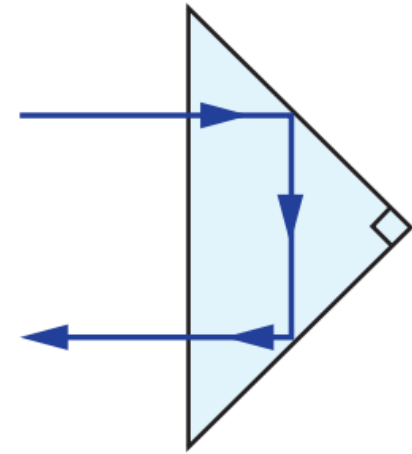
**Note:** Special care should be taken when handling Zinc Selenide as it is a toxic material. Always wear rubber or plastic gloves to avoid risk of contamination.

## Technical Information

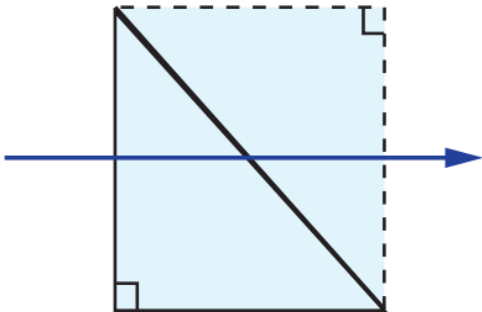




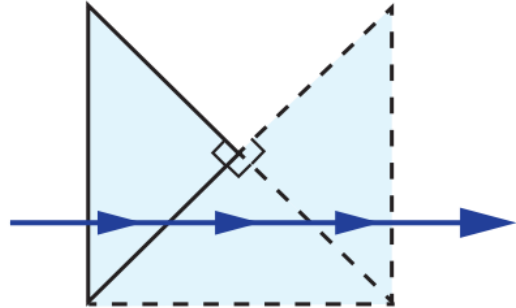
Right Angle Prism Ray Path



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

