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**TECHSPEC® 5mm Aluminum & UV-VIS, N/20 Fused Silica Right Angle Prism**



Stock #39-840 **9 In Stock**

⊖ 1 ⊕ €305.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€305,00 each
Qty 6-25	€244,00 each
Qty 26-49	€228,75 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Right Angle Prism **Type:**

**Physical & Mechanical Properties**

+0.00/-0.10 **Dimensional Tolerance (mm):**

Protective as needed **Bevel:**

90	Clear Aperture (%):
7.10	Length of Hypotenuse (mm):
5.00	Length of Legs (mm):
Optical Properties	
±15	Angle Tolerance (arcsec):
UV-VIS & Aluminized	Coating:
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
20-10	Surface Quality:
±1	Pyramid Tolerance (arcmin):
Left-Handed	Image Orientation:
<b>Coating Specification:</b> Legs: $R_{abs} \leq 1.0\%$ @ 350 - 450nm, $R_{avg} \leq 1.5\%$ @ 250 - 700nm Hypotenuse: $R_{avg} > 85\%$ @ 400 - 700nm, $R_{avg} > 90\%$ @ 400 - 2000nm w/Black Overpaint	
250 - 700	Wavelength Range (nm):
$\lambda/20$	Surface Flatness (P-V):
<b>Damage Threshold, By Design:</b> <input type="checkbox"/> Hypotenuse: $0.3 \text{ J/cm}^2$ @ 532 & 1064nm, 10ns Legs: $3 \text{ J/cm}^2$ @ 355nm, 10ns; $5 \text{ J/cm}^2$ @ 532nm, 10ns	

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

## 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

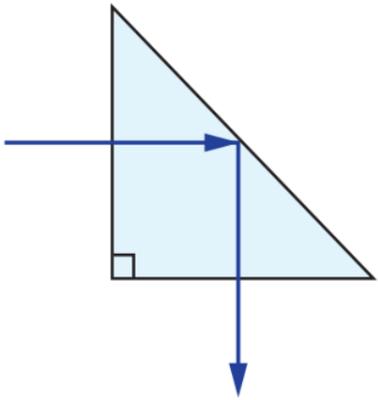
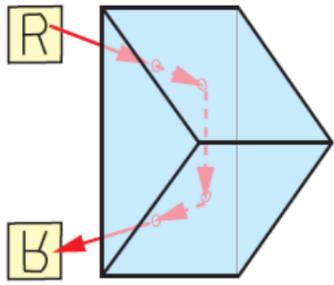
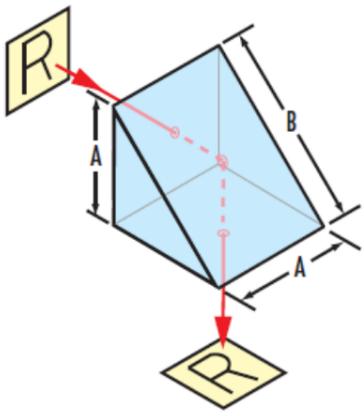
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

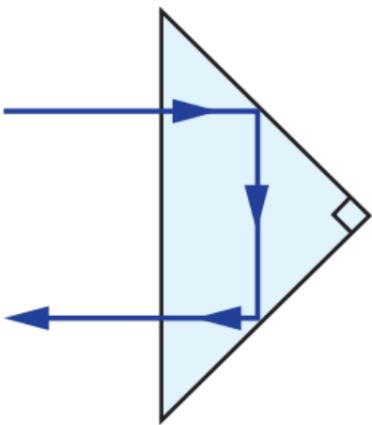
- $\lambda/20$  Surface Flatness
- UV Fused Silica Substrate
- Laser Optic Quality

TECHSPEC®  $\lambda/20$  Fused Silica Right Angle Prisms feature precision specifications for the most demanding applications. These prisms are tailored for laser applications with surface flatness of  $\lambda/20$  and surface quality of 20-10. Our TECHSPEC®  $\lambda/20$  Fused Silica Right Angle Prisms feature industry leading  $\pm 15$  arcsecond angular tolerances for guaranteed control of optical path. The UV Fused Silica substrate offers extended range deep into the UV.

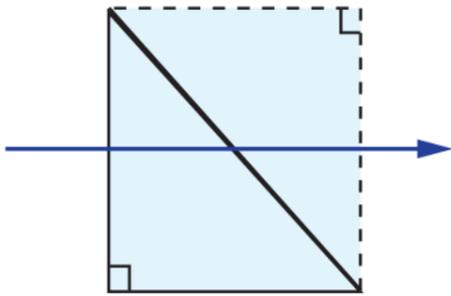
## Technical Information



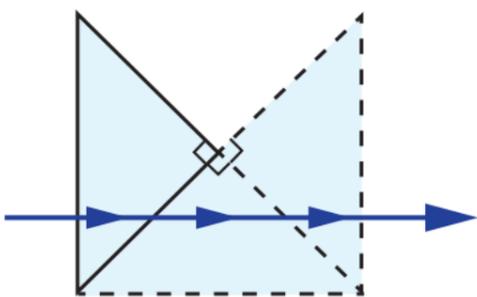
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

