

**TECHSPEC® 10mm Protected Silver Coated, UV Fused Silica Right Angle Mirror**



Stock #22-552 **3 In Stock**

⊖ 1 ⊕ €214<sup>24</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€214,24 each
Qty 6-25	€170,98 each
Qty 26-49	€160,68 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**SPECIFICATIONS**

**General**

Type:

Right Angle Mirror

## Physical & Mechanical Properties

Length of Legs (mm):

10.00

Dimensional Tolerance (mm):

+0.00/-0.10

Bevel:

Protective as needed

Clear Aperture CA (mm):

12.72 x 9.00

Length of Hypotenuse (mm):

14.10

## Optical Properties

Surface Flatness (P-V):

$\lambda/20$

Substrate:

[Fused Silica](#) (Corning 7980)

Surface Quality:

20-10

Coating Specification:

$R_{avg} > 98\%$  @ 450 - 800nm

$R_{avg} > 98.5\%$  @ 2000 - 10,000nm

Coating:

Protected Silver (450-10000nm)

Coating Type:

Metal

Wavelength Range ( $\mu\text{m}$ ):

0.45 - 10

Wavelength Range (nm):

450 - 10000

Angle Tolerance (arcsec):

$\pm 15$

Damage Threshold, Reference:

0.5 J/cm<sup>2</sup> @ 532nm & 1064nm, 10ns

## Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 247:

[Compliant](#)

## PRODUCT DETAILS

- Precision Fused Silica Substrates for Increased Thermal Stability
- Ideal for System Alignment
- Enhanced Aluminum, Protected Gold, and Protected Silver Coatings Available

TECHSPEC®  $\lambda/20$  Fused Silica Right Angle Mirrors feature broadband metal coatings and a  $\pm 15$  arcsecond angular tolerance for applications that require precision alignment. These highly reflective right angle mirrors simplify alignment when mounting and are easily integrated into systems that redirect light at 90°. TECHSPEC®  $\lambda/20$  Fused Silica Right Angle Mirrors utilize Fused Silica substrates for high temperature environments and their precision design and tolerances enable easy system integration. Coating options feature >95% reflectivity from 450nm to the long wave infrared (IR).

## TECHNICAL INFORMATION

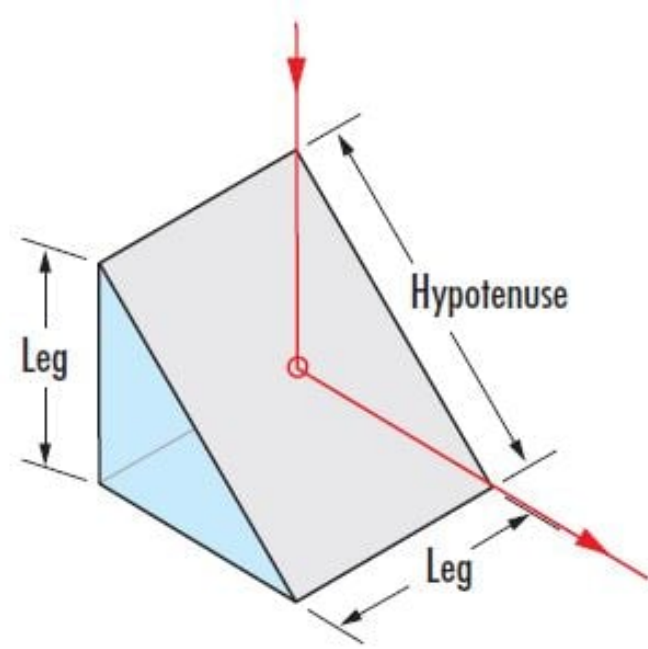
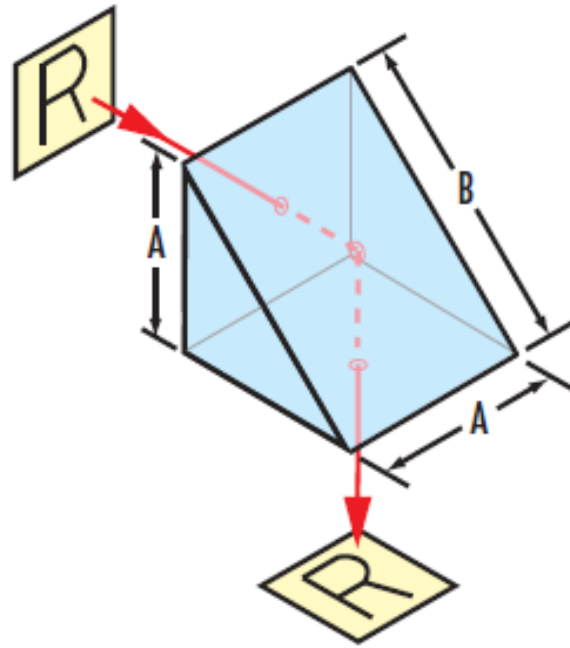


Image above shows light reflecting off the coated hypotenuse.



## COATING CURVES

### 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](#).