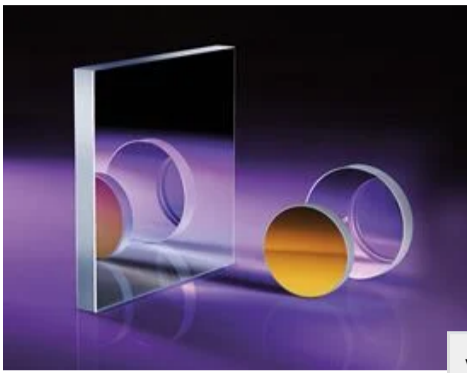


# TECHSPEC® 20 x 20mm Protected Gold, $\lambda/4$ Mirror



Stock #45-730 20+ In Stock

1 C\$129<sup>.50</sup>

ADD TO CART

Volume Pricing	
Qty 1-5	C\$129.50 each
Qty 6-25	C\$104.30 each
Qty 26-49	C\$97.30 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	<a href="#">Download All</a>

## General

Type: Flat Mirror

## Physical & Mechanical Properties

<b>Thickness (mm):</b>	2.00 ±0.25	<b>Dimensions (mm):</b>	20.0 x 20.0
<b>Back Surface:</b>	Commercial Polish	<b>Bevel:</b>	Protective as needed
<b>Clear Aperture (%):</b>	85	<b>Dimensional Tolerance (mm):</b>	±0.25
<b>Edges:</b>	Fine Ground	<b>Length (mm):</b>	20.00
<b>Width (mm):</b>	20.00		

## Optical Properties

<b>Wavelength Range (µm):</b>	0.7 - 10	<b>Coating Type:</b>	Metal
<b>Coating:</b>	Protected Gold (700-10000nm)	<b>Surface Flatness (P-V):</b>	$\lambda/4$
<b>Wavelength Range (nm):</b>	700 - 10000	<b>Substrate:</b> ⓘ	<b>BOROFLOAT®</b>
<b>Coating Specification:</b>	R <sub>avg</sub> >96% @ 700 - 2000nm R <sub>avg</sub> >96% @ 2000 - 10,000nm	<b>Surface Quality:</b>	60-40
<b>Damage Threshold, Reference:</b> ⓘ	0.8 J/cm <sup>2</sup> @ 1064nm, 10ns		

## Regulatory Compliance

## Need different specs or modifications?

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

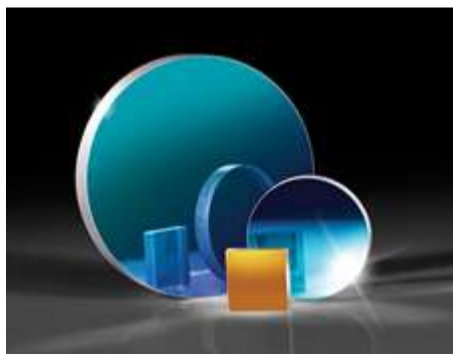
- Available in a Wide Range of Sizes and Shapes
- Precision Metallic Mirror Coatings
- [Contact Us](#) for Custom Sizes

TECHSPEC®  $\lambda/4$  First Surface Mirrors feature a high reflectivity coating deposited on the front surface of the glass substrate. The coated surface should be oriented to reflect incident light. TECHSPEC  $\lambda/4$  First Surface Mirrors are offered in circular, square, and rectangular dimensions. First surface mirrors are ideal for applications requiring the mirror to be mounted at 45° in order to produce a 90° bend in the light path. These first surface mirrors easily mount into a [range of optical mounts](#) to facilitate application integration. The mirrors have available coatings of enhanced aluminum, protected aluminum, protected silver, and protected gold.

**Note:** Surface flatness is measured before coating.

A range of mounts specifically compatible with individual TECHSPEC® First Surface Mirrors can be found on product web pages.

## Related Products



$\lambda/10$  First Surface Mirrors



Rhodium Coated First Surface Mirrors



First Surface Mirrors



PUROSOL™ Optical Cleaner

## Frequently Purchased Together



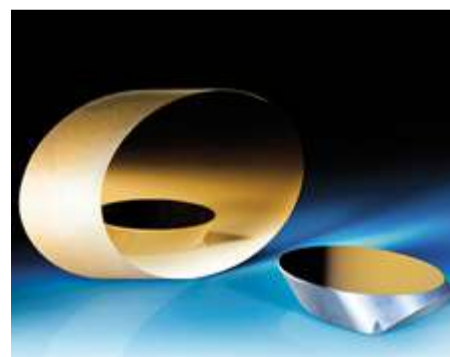
#32-816 - 2" Dia, 4" FL Protected Gold, Spherical Mirror  
C\$348.60

Qty



#43-545 - 2" Dia, 4" FL UV Enhanced Alum., Spherical Mirror  
C\$278.60

Qty



#32-089 - Elliptical Mirror 47.63mm Minor Axis Protected Gold  
C\$334.60































Qty



#32-757 - SCHOTT RG-780, 25.4mm Dia., 3mm Thick, Colored Glass Longpass Filter  
C\$73.50

Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
 	1.5" Reverse Angle Mirror Mount	Adjustable - Tip-Tilt		#37-922	C\$120.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25mm sq - Rectangular Bar Clamp	Fixed		#54-994	C\$151.20 Request Quote	8 In Stock <input type="text" value="1"/> 
 	Filter Kinematic Mount, 2-Screw	Adjustable - Tip-Tilt		#58-874	C\$170.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	60mm sq - Rectangular Bar Clamp	Fixed		#54-995	C\$176.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	Filter Kinematic Mount, 3-Screw	Adjustable - Tip-Tilt		#58-875	C\$193.20 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	Standard Model, Threaded Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-341	C\$196.00 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	Standard Model, Slotted Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-342	C\$196.00 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	Top-Screw Model, Threaded Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-343	C\$260.40 Request Quote	4 In Stock <input type="text" value="1"/> 
 	Top-Screw Model, Slotted Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-344	C\$260.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	3.0" Angle Mirror Mount	Adjustable - Tip-Tilt		#36-481	C\$350.00 Request Quote	20+ In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

## Resources

### Media Type

- Application Note
- Video
- FAQ
- Glossary

#### CASE STUDIES

Laser Optics for Eye Surgery

#### TRENDING IN OPTICS

Increasing Challenges for Sourcing Laser Optics...

#### CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection

#### APPLICATION NOTE

Metallic Mirror Coatings

#### VIDEO

Optical Mirrors Review

#### FAQ

What is the difference between a first-surface...



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