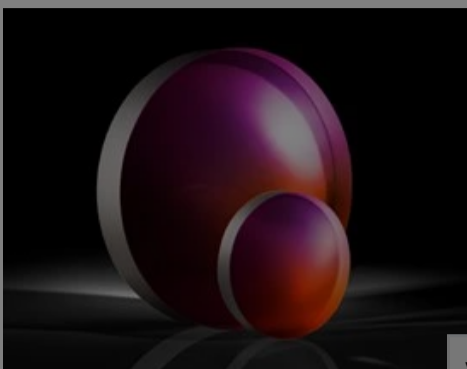


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TECHSPEC® 4.25" D



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€640⁰⁰

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Volume Pricing

Qty 1-9 €640,00 each

Qty 10-25 €538,00 each

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Product Downloads

- STEP:stp
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- PDF Drawing:pdf
- IGES:igs
- Zemax:zar
- Zemax:zmx
- eDrawing:eprt
- Code V:seq
- EO Spec Sheet
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General

Type: Spherical Mirror

Physical & Mechanical Properties

Diameter (mm): 107.95 +0.5/-0

Back Surface: Ground

Diameter (inches): 4.25

Diameter Tolerance (inches): +0.02/-0

Edge Thickness ET (inches): 0.75

Edge Thickness ET (mm): 19.05

Edge Thickness Tolerance (%): +0.0/-10

Optical Properties

Coating Type: Metal

Coating: Protected Aluminum (400-2000nm)

Wavelength Range (nm): 400 - 2000

Effective Focal Length EFL (mm): 1,143.00

Substrate: **BOROFLOAT®**

Aperture (f/#): f/10.6

Coating Specification: R_{avg} >85% @ 400 - 700nm
R_{avg} >90% @ 400 - 2000nm

Effective Focal Length EFL (inches): 45.00

Focal Length Tolerance (%): ±2

Surface Accuracy: λ/8

Surface Quality:	60-40	Damage Threshold, Reference: ⓘ	0.3 J/cm ² @ 532nm & 1064nm, 10ns
Radius of Curvature (mm):	2,286.00	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.</p> <p>Select Your Country/Region:</p> </div>	
Regulatory Compliance			
RoHS 2015:	Compliant	Certificate of Conformance:	View
Reach 247:	Compliant		

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](#).

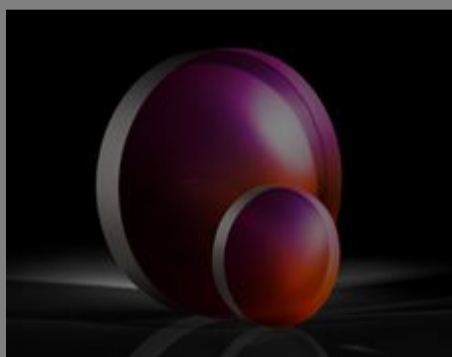
Product Details

- Ideal for Multispectral Focusing Applications
- Variety of Coating Options Offered
- Multiple Sizes Available
- **λ/4 Spherical Mirrors** Also Available

TECHSPEC® λ/8 Precision Spherical Mirrors are designed for research and technical OEM applications in the UV, visible, or IR ranges. Each size is available uncoated or with one of our various reflective mirror coatings.

Technical Information

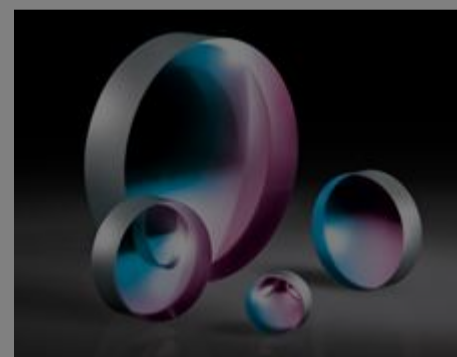
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λ/4 Precision Spherical Mirrors



Focusing (Concave) Mirrors



Plano-Concave (PCV) Lenses

Frequently Purchased Together



#36-482 - 4.5" Angle Mirror Mount
€378,00

Qty



#32-083

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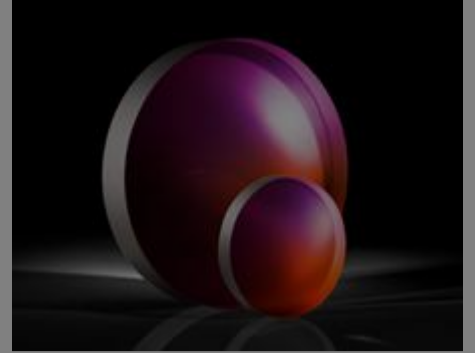
Select Your Country/Region:

Qty



€585,00

Qty



#32-083 - 4.25" Dia. x 45" FL
Uncoated, Spherical Mirror
€451,00

Qty

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