

TECHSPEC[®] 4.25" Dia. x 45" FL Prot. Alum., Spherical Mirror



Stock **#50-051** [CONTACT US](#)

-

1

+

€640^{.00}

ADD TO CART

Volume Pricing	
Qty 1-9	€640,00 each
Qty 10-25	€538,00 each
Qty 26-49	€506,00 each
Need More?	Request Quote

!

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Spherical Mirror

Type:

Physical & Mechanical Properties

107.95 +0.5/-0

Diameter (mm):

Ground

Back Surface:

4.25	Diameter (inches):
+0.02/-0	Diameter Tolerance (inches):
0.75	Edge Thickness ET (inches):
19.05	Edge Thickness ET (mm):

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

Optical Properties

Metal	Coating Type:
Protected Aluminum (400-2000nm)	Coating:

400 - 2000	Wavelength Range (nm):
1,143.00	Effective Focal Length EFL (mm):

BOROFLOAT®	Substrate: ☐
f/10.6	Aperture (f/#):

R _{avg} >85% @400 - 700nm R _{avg} >90% @400 - 2000nm	Coating Specification:
45.00	Effective Focal Length EFL (inches):

±2	Focal Length Tolerance (%):
λ/8	Surface Accuracy:

60-40	Surface Quality:
0.3 J/cm ² @ 532nm & 1064nm, 10ns	Damage Threshold, Reference: ☐

2,286.00	Radius of Curvature (mm):
----------	---------------------------

Regulatory Compliance

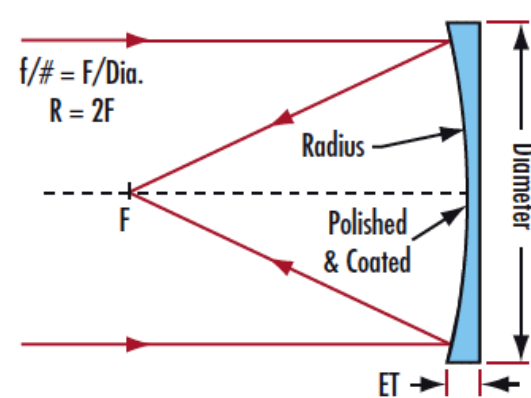
Compliant	RoHS 2015:
View	Certificate of Conformance:

Compliant	Reach 247:
---------------------------	------------

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



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](#).