

TECHSPEC[®] 2" Dia, 40" FL 750-1100nm, Spherical Mirror



Stock **#73-021** 5 In Stock

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1

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€272⁰⁰

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Volume Pricing	
Qty 1-5	€272,00 each
Qty 6-24	€218,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Spherical MirrorType:

Physical & Mechanical Properties	
50.80 +0.5/-0	Diameter (mm):
Ground	Back Surface:
2.0	Diameter (inches):
+0.02/-0	Diameter Tolerance (inches):
0.50	Edge Thickness ET (inches):
12.70	Edge Thickness ET (mm):
+0.0/-15	Edge Thickness Tolerance (%):
Optical Properties	
Dielectric	Coating Type:
Dielectric Mirror (750-1100nm)	Coating:
750 - 1100	Wavelength Range (nm):
1,016.00	Effective Focal Length EFL (mm):
BOROFLOAT®	Substrate: ☐
f/20	Aperture (f/#):
R _{avg} >98% @ 750 - 1100nm (0 - 45°) R _{avg} >99% @ 750 - 1100nm (0°)	Coating Specification:
40.00	Effective Focal Length EFL (inches):
±2	Focal Length Tolerance (%):
λ/4	Surface Accuracy:
60-40	Surface Quality:
1 J/cm² @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design: ☐
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

- Ideal for Multispectral Focusing Applications
- Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
- Multiple Sizes Available

TECHSPEC® Broadband Dielectric Spherical Mirrors are ideal for light collection in multispectral imaging applications. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. A BOROFLOAT® substrate provides a good combination of performance and value. TECHSPEC® Broadband Dielectric Spherical Mirrors are available in diameters ranging from 25.4 to 152.4mm for ease of system integration. These mirrors collect and focus light without introducing chromatic aberration.

TECHNICAL INFORMATION

