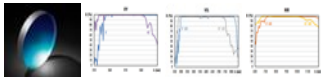


[See all 60 Products in Family](#)

TECHSPEC®

3" Dia, 12" FL 750-1100nm, Spherical Mirror



Stock **#73-027** 3 In Stock

-

1

+

£343²⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£343.20 each
Qty 6-24	£273.60 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Spherical Mirror

Physical & Mechanical Properties

Diameter (mm):

76.20 +1.0/-0

Ground	Back Surface:
3.0	Diameter (inches):
+0.04/-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):
304.80	Effective Focal Length EFL (mm):
BOROFLOAT®	Substrate: □
f/4	Aperture (f/#):
R _{avg} >98% @ 750 - 1100nm (0 - 45°) R _{avg} >99% @ 750 - 1100nm (0°)	Coating Specification:
12.00	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: □
609.60	Radius of Curvature (mm):

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. ABOROFLOAT® 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

