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TECHSPEC[®]

50mm Dia. 400 - 750nm Broadband λ /4 Mirror



Broadband Dielectric λ /4 Mirrors

Stock **#70-676** **2 In Stock**

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1

+

€191⁰⁰

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Volume Pricing	
Qty 1-5	€191,00 each
Qty 6-25	€152,00 each
Qty 26-49	€143,00 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror

Type:

Physical & Mechanical Properties

50.00 +0.00/-0.25

Diameter (mm):

Thickness (mm):

4.00 ±0.25	
Commercial Polish	Back Surface:
90	Clear Aperture (%):
45.00	Clear Aperture CA (mm):
Ground	Edges:
5	Parallelism (arcmin):

Optical Properties

Dielectric	Coating Type:
Dielectric Mirror (400-750nm)	Coating:
λ/4 (typical)	Surface Flatness (P-V):
400 - 750	Wavelength Range (nm):
BOROFLOAT®	Substrate: ☐
0-45	Angle of Incidence (°):
R _{avg} >98% @ 400 - 750nm (0-45°, All Polarizations) R _{avg} >99% @ 400 - 750nm (0-45°, S-Polarizations)	Coating Specification:
60-40	Surface Quality:
0.5 J/cm ² @ 532nm, 20ns, 20Hz	Damage Threshold, By Design: ☐

Regulatory Compliance

View	Certificate of Conformance:
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Product Details

- Enhanced Reflectivity and LDT over Metallic Coatings
 - Average Reflectivity >99% from 400 – 750nm
 - Designed for all Polarization States at 0 – 45° AOI
 - [λ/10](#) Versions Available
- TECHSPEC® Broadband Dielectric λ/4 Mirrors feature a high laser damage threshold of 0.5 J/cm² @ 532nm, 20ns pulse, at 20Hz as well as a >99% reflection from 400 – 750nm across all polarization states. Constructed from highly durable BOROFLOAT® substrates, these mirrors feature outstanding thermal and high chemical durability making them ideal for high temperature and harsh environment applications. TECHSPEC® Broadband Dielectric λ/4 Mirrors are available in a variety of diameters from 12.5 - 50mm. A low-cost alternative to our precision polished [TECHSPEC Broadband Dielectric λ/10 Mirrors](#), these mirrors are ideal for spectroscopy, microscopy, and general laboratory use such as beam steering or reflection applications utilizing multiple laser sources.
- Note:** Surface Flatness is measured pre-coating and deviations may appear after the coating has been applied. For applications where surface flatness is critical it is recommended it is recommended to use the [TECHSPEC® Broadband Dielectric λ/10 Mirrors](#).