

TECHSPEC®

20mm Dia. 400 - 750nm Broadband $\lambda/4$ Mirror



Broadband Dielectric $\lambda/4$ Mirrors

Stock #70-670 12 In Stock

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1

+

₹6,072

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Qty 1-5	₹6,072 each
Qty 6-25	₹4,866 each
Qty 26-49	₹4,554 each
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SPECIFICATIONS

General

Type:

Flat Mirror

Physical & Mechanical Properties

20.00 +0.00/-0.25	Diameter (mm):
Commercial Polish	Back Surface:
90	Clear Aperture (%):
18.00	Clear Aperture CA (mm):
Ground	Edges:
5	Parallelism (arcmin):
3.00 ±0.25	Thickness (mm):
Optical Properties	
Dielectric Mirror (400-750nm)	Coating:
Coating Specification: R _{avg} >98% @ 400 - 750nm (0-45°, All Polarizations) R _{avg} >99% @ 400 - 750nm (0-45°, S-Polarizations)	
400 - 750	Wavelength Range (nm):
λ/4 (typical)	Surface Flatness (P-V):
BOROFLOAT®	Substrate: ☐
60-40	Surface Quality:
Dielectric	Coating Type:
0-45	Angle of Incidence (°):
Damage Threshold, By Design: ☐ 0.5 J/cm² @ 532nm, 20ns, 20Hz	
Regulatory Compliance	
View	Certificate of Conformance:

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](#).