

TECHSPEC® 40.0mm Dia x 5mm Thick 635-670/1064nm, Zerodur Dual Band Laser Mirror



Stock **#29-066** **6 In Stock**

- 1 + £256.⁰⁰

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Volume Pricing	
Qty 1-5	£256.00 each
Qty 6-25	£204.80 each
Qty 26-49	£192.00 each
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

5.00 ±0.20 **Thickness (mm):**

40.00 +0.00/-0.20 **Diameter (mm):**

90	Clear Aperture (%):
30	Parallelism (arcsec):
Commercial Polish	Back Surface:
Protective as needed	Bevel:
Ground	Edges:

Optical Properties

ZERODUR®	Substrate: <input type="checkbox"/>
20-10	Surface Quality:
Laser Mirror (635, 670, 1064nm)	Coating:
635, 670, 1064	Design Wavelength DWL (nm):
Rabs >99.5% @ 635, 670 & 1064nm	Coating Specification:
Dielectric	Coating Type:
20 J/cm2 @ 1064nm	Damage Threshold, By Design: <input type="checkbox"/>

Regulatory Compliance

View	Certificate of Conformance:
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Product Details

- >99.5% Reflectivity at Design Wavelengths
- Low Coefficient of Thermal Expansion
- 532/1064nm or 635/670/1064nm Wavelength Bands

TECHSPEC® Zerodur® Dual Band Laser Line Mirrors feature high reflectivity coatings with either two or three wavelength bands on a durable Zerodur® substrates. The ZERODUR® substrates have a low coefficient of thermal expansion (CTE) of $\pm 0.10 \times 10^{-6}/^{\circ}\text{C}$, which is an order of magnitude lower than most glass types. The low CTE allows these mirrors to have a consistent reflected wavefront when exposed to environments with varying temperature or illumination sources with changing intensity. TECHSPEC® Zerodur® Dual Band Laser Line Mirrors are available in a highly reflective 532/1064nm or 635/670/1064nm dual band coatings and multiple standard diameter options for Nd:YAG lasers and red and green guide beams. These mirrors are ideal for beam steering applications in both laboratory and OEM laser systems.