

[See all 96 Products in Family](#)

**TECHSPEC® 25.4mm Dia. UV-Enhanced Aluminum Coated, N/10 ZERODUR® Mirror**

See More by [SCHOTT Optical Components](#)



TECHSPEC ZERODUR N/10 First Surface Mirrors

Stock **#17-755** [CONTACT US](#)

⊖ 1 ⊕ €146<sup>.00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€146,00 each
Qty 6-25	€117,00 each
Qty 26-49	€110,00 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Flat Mirror **Type:**

**Physical & Mechanical Properties**

25.40 +0.00/-0.20 **Diameter (mm):**

Commercial Polish	<b>Back Surface:</b>
Protective as needed	<b>Bevel:</b>
90	<b>Clear Aperture (%):</b>
Ground	<b>Edges:</b>
30	<b>Parallelism (arcsec):</b>
6.35 ±0.20	<b>Thickness (mm):</b>

## Optical Properties

$\lambda/10$	<b>Surface Flatness (P-V):</b>
ZERODUR®	<b>Substrate:</b> <input type="checkbox"/>
20-10	<b>Surface Quality:</b>
$R_{avg} > 89\%$ @ 250 - 450nm $R_{avg} > 85\%$ @ 250 - 700nm	<b>Coating Specification:</b>
Enhanced Aluminum (250-700nm)	<b>Coating:</b>
Metal	<b>Coating Type:</b>
250 - 700	<b>Wavelength Range (nm):</b>
0.5 J/cm <sup>2</sup> @ 355nm, 10ns	<b>Damage Threshold, Reference:</b> <input type="checkbox"/>

## Material Properties

0.1	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>
-----	---

## Regulatory Compliance

Compliant	<b>RoHS 2015:</b>
View	<b>Certificate of Conformance:</b>
Compliant	<b>Reach 247:</b>

## Product Details

- Precision ZERODUR® Substrates
- $\lambda/10$  Flatness
- Low Coefficient of Thermal Expansion

TECHSPEC® ZERODUR®  $\lambda/10$  First Surface Mirrors are well suited for applications where temperature fluctuation is a concern. The ZERODUR® substrates have a 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, even when exposed to environments with varying temperature or illumination sources with changing intensity. TECHSPEC® ZERODUR®  $\lambda/10$  First Surface Mirrors feature precision polished substrates with  $\lambda/10$  flatness and 20-10 surface quality. Multiple metallic and enhanced metallic coating options are available, allowing for these mirrors to be easily integrated into applications in both the visible and infrared spectrum.

**Note:** Surface flatness is measured before coating.

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Compatible Mounts