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## TECHSPEC® 30 x 30mm Protected Silver Coated, $\lambda/10$ ZERODUR® Mirror

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TECHSPEC ZERODUR  $\lambda/10$  First Surface Mirrors

Stock #17-765 **1 In Stock**

⊖ 1 ⊕ €193.<sup>00</sup>

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Volume Pricing	
Qty 1-5	€193,00 each
Qty 6-25	€154,00 each
Qty 26-49	€145,00 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):**

30.0 x 30.0 +0.00/-0.20	<b>Dimensions (mm):</b>
Commercial Polish	<b>Back Surface:</b>
Protective as needed	<b>Bevel:</b>
90	<b>Clear Aperture (%):</b>
Ground	<b>Edges:</b>
30.00	<b>Length (mm):</b>
30.00	<b>Width (mm):</b>
30	<b>Parallelism (arcsec):</b>

## Optical Properties

Metal	<b>Coating Type:</b>
Protected Silver (450-10000nm)	<b>Coating:</b>
$\lambda/10$	<b>Surface Flatness (P-V):</b>
450 - 10000	<b>Wavelength Range (nm):</b>
ZERODUR®	<b>Substrate:</b> <input type="checkbox"/>
$R_{avg} >98\%$ @ 450 - 2000nm $R_{avg} >98\%$ @ 2000 - 10,000nm	<b>Coating Specification:</b>
20-10	<b>Surface Quality:</b>
0.5 J/cm <sup>2</sup> @ 532nm & 1064nm, 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>
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## 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.

## Coating Curves

## 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

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