

TECHSPEC® 50mm Diameter 50R/50T, VIS λ /10 Plate Beamsplitter



TECHSPEC® λ /10 Plate Beamsplitters

Stock #34-416 **14 In Stock**

⊖ 1 ⊕ A\$491⁰⁰

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Volume Pricing	
Qty 1-5	A\$491.20 each
Qty 6-49	A\$393.60 each
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General

Standard Beamsplitter **Type:**

Physical & Mechanical Properties

Plate **Construction:**

50.00 **Diameter (mm):**

Dimensional Tolerance (mm):

±0.10

Edges:

Protective Bevel as needed

Thickness (mm):

3.00 ±0.20

Wedge Angle (arcmin):

30 arcmin

Optical Properties

Coating Specification:

Surface 1: 50/50 ±5% @ 550nm, ±10% @ 400 - 700nm

Surface 2: AR $R_{avg} \leq 1\%$, $R_{abs} \leq 2\%$ @ 400 - 700nm

Reflection/Transmission Ratio (R/T):

50/50

Substrate:

Fused Silica (Corning 7980)

Surface Flatness (P-V):

λ/10

Surface Quality:

20-10

Wavelength Range (nm):

400 - 700

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 235:

Compliant

Need different specs or modifications?

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

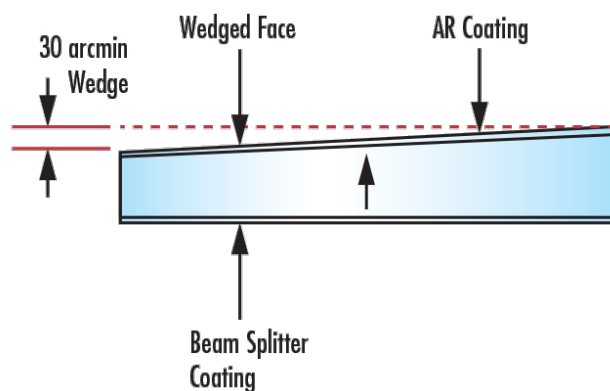
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- 30 Arcminute Wedge to Minimize Internal Interference
- Wide Range of Splitting Ratios
- Fused Silica Substrate

TECHSPEC® λ/10 Plate Beamsplitters are designed for use with a 45 degree angle of incidence and random polarization. With a featured 30 arcminute wedge, the effects of internal interference are minimized. Each beamsplitter also includes a multi-layer anti-reflection (AR) coating on the back-surface. TECHSPEC® λ/10 Plate Beamsplitters have been optimized for the visible spectrum and are offered in a variety of splitting ratios. These beamsplitters are ideal for laser applications due to the wedged design and high quality Fused Silica substrate.

Technical Information



Compatible Mounts

