

TECHSPEC[®] 50 x 50mm 80R/20T, NIR Plate Beamsplitter



Visible and NIR Plate Beamsplitters

Stock **#68-430** 15 In Stock

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1

+

£265⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£265.60 each
Qty 6-25	£208.80 each
Qty 26-99	£192.80 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Note:

Beamsplitter-coated side is marked with a black dot

Type:

Standard Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):

>85	
Plate	Construction:
50.0 x 50.0 +0.0/-0.25	Dimensions (mm):
Cut with 0.25mm maximum edge chip	Edges:
≤3	Parallelism (arcmin):
3.00 ±0.25	Thickness (mm):

Optical Properties	
45	Angle of Incidence (°):
Coating Specification: Surface 1: 80/20 ±5% @ 900nm, ±10% @ 700 - 1100nm Surface 2: AR R _{avg} ≤1%, R _{abs} ≤2% @ 700 - 1100nm	
80/20	Reflection/Transmission Ratio (R/T):
N-BK7	Substrate: 
1λ per inch	Surface Flatness (P-V):
60–40	Surface Quality:
700 - 1100	Wavelength Range (nm):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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](#).

Product Details

- Many Beamsplitting Ratios Available
- Visible and NIR Coating Options Offered
- Multi-Layer AR Coated Second Surface
- **C-Mounted Plate Beamsplitters** Also Available

TECHSPEC® Visible and NIR Plate Beamsplitters are ideal for dual magnification **imaging** systems and for combining low power **laser** beams. These beamsplitters offer the optimum combination of polished, high-quality optical-grade glass with minimum substrate thickness. The broadband dielectric coatings provide maximum throughput, are ideal for minimizing ghost images, and have much less energy loss than metallic coatings. TECHSPEC® Visible and NIR Plate Beamsplitters are coated on their back surfaces with a multi-layer anti-reflection (AR) coating, reducing back reflections to less than 1.0% for each wavelength range. Note that for easy identification, the coated side of the beamsplitter is marked with a black dot.

Technical Information



Compatible Mounts

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