

TECHSPEC® 10mm 30R/70T In-Line Cube Beamsplitter



Stock #20-173 **20+ In Stock**

⊖ 1 ⊕ £172.⁰⁰

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Volume Pricing	
Qty 1-5	£172.00 each
Qty 6-25	£145.60 each
Qty 26-99	£126.40 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Note:
Absorptive Surface Treatment on Blackened Face

Type:
Standard Beamsplitter

Physical & Mechanical Properties

Bevel:
Protective as needed

>90	Clear Aperture (%)
Cube	Construction:
10.0 x 10.0 x 10.0	Dimensions (mm):
Optical Properties	
≤3	Beam Deviation (arcmin):
λ/4 MgF ₂ @ 550nm on Faces Multilayer Dielectric on Hypotenuse	Coating:
30/70	Reflection/Transmission Ratio (R/T):
N-BK7	Substrate: <input type="checkbox"/>
60-40	Surface Quality:
400 - 700	Wavelength Range (nm):
70±5 @550nm	Absolute Transmission (%):
70 ±10 from 400-700nm	Average Transmission (%):
1.25	Power (fringes) @ 632.8nm:
0.25	Irregularity (fringes) @ 632.8nm:
Regulatory Compliance	
View	Certificate of Conformance:

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

- Significantly Reduces Glare and Interference
- 30/70 Reflection/Transmission Ratio
- Ideal for In-Line Illumination
- [Cube Beamsplitters](#) Also Available

TECHSPEC® In-Line Illumination Cube Beamsplitters are specialized versions of [TECHSPEC® Cube Beamsplitters](#) that include a proprietary surface treatment on one surface. This feature reduces glare, interference artifacts, and improves image contrast. Output is partially polarized, making TECHSPEC® In-Line Illumination Cube Beamsplitters suitable for illumination, specifically in applications sensitive to ghost reflections, and other applications where polarization is not a concern. TECHSPEC® In-Line Illumination Cube Beamsplitters feature an interference coating applied to the hypotenuse of one of the prisms to provide the designated reflection/transmission ratio. Absorption loss to the coating is minimal.

Note: If polarization sensitivity is critical to your application, we recommend using [TECHSPEC® Polarizing Beamsplitters](#) or [TECHSPEC® Non-Polarizing Beamsplitters](#).