

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



Stock #20-173 20+ In Stock

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S\$301^{.00}

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Volume Pricing	
Qty 1-5	S\$301.00 each
Qty 6-25	S\$254.80 each
Qty 26-99	S\$221.20 each
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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 MgF₂ @ 550nm on Faces Multilayer Dielectric on Hypotenuse	Coating:
30/70	Reflection/Transmission Ratio (R/T):
N-BK7	Substrate: □
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:

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](#).

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](#).