

TECHSPEC[®] 12.5mm 50R/50T Cube Beamsplitter



Stock #45-111 20+ In Stock

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1

+

€228^{.00}

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Volume Pricing	
Qty 1-5	€228,00 each
Qty 6-25	€182,00 each
Qty 26-99	€167,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Standard Beamsplitter

Type:

Physical & Mechanical Properties

Protective as needed

Bevel:

Cube

Construction:

12.5 x 12.5 x 12.5 ±0.10		Dimensions (mm):
Optical Properties		
±3		Beam Deviation (arcmin):
N/4 MgF ₂ @ 550nm on Faces Multilayer Dielectric on Hypotenuse		Coating:
50/50		Reflection/Transmission Ratio (R/T):
±5		Reflection/Transmission Tolerance (%):
N-BK7		Substrate:
60-40		Surface Quality:
400 - 700		Wavelength Range (nm):
1.25		Power (fringes) @ 632.8nm:
0.25		Irregularity (fringes) @ 632.8nm:
Regulatory Compliance		
Compliant		RoHS 2015:
View		Certificate of Conformance:
Compliant		REACH 241:

Product Details

- Multi-Layer Dielectric Coating
- Available in 30/70, 70/30, or 50/50 Split Ratios
- Optimal for Applications Insensitive to Polarization

TECHSPEC® Cube Beamsplitters are constructed by cementing two right angle prisms together and are offered in a range of reflection/transmission ratios. Output is partially polarized, making this product suitable for illumination and other applications where polarization is not a concern. TECHSPEC® Cube Beamsplitters feature an interference coating which is applied to the hypotenuse surface of one of the prisms to provide the designated reflection/transmission ratio with minimal absorption loss.

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

Technical Information



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](#).
