

TECHSPEC<sup>®</sup> 50mm 50R/50T Cube Beamsplitter



Stock **#32-704** 20+ In Stock

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+

C\$861<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$861.00 each                |
| Qty 6-25       | C\$690.20 each                |
| Qty 26-99      | C\$638.40 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |               |
|----------------------------------|---------------|
| Standard Beamsplitter            | Type:         |
| Physical & Mechanical Properties |               |
| Protective as needed             | Bevel:        |
| Cube                             | Construction: |

|                                                                              |  |                                        |
|------------------------------------------------------------------------------|--|----------------------------------------|
| 50.0 x 50.0 x 50.0 ±0.10                                                     |  | Dimensions (mm):                       |
| Optical Properties                                                           |  |                                        |
| ±3                                                                           |  | Beam Deviation (arcmin):               |
| N/4 MgF <sub>2</sub> @ 550nm on Faces<br>Multilayer Dielectric on Hypotenuse |  | Coating:                               |
| 50/50                                                                        |  | Reflection/Transmission Ratio (R/T):   |
| ±5                                                                           |  | Reflection/Transmission Tolerance (%): |
| N-BK7                                                                        |  | Substrate: <input type="text"/>        |
| 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:                             |
| Compliant                                                                    |  | Reach 223:                             |
| View                                                                         |  | Certificate of Conformance:            |

## 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

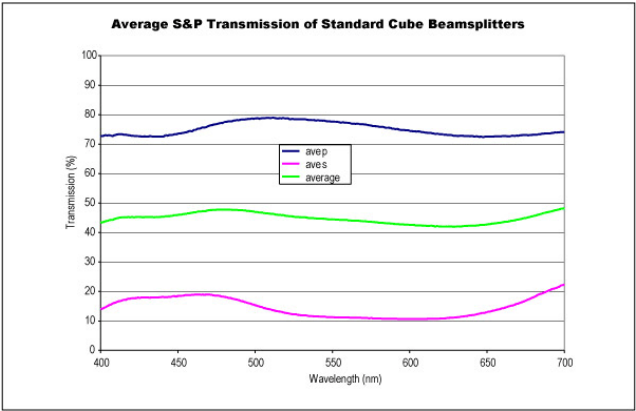
Output is partially polarized. If polarization sensitivity is critical to your application, we recommend using [TECHSPEC® Polarizing Beamsplitters](#) or [TECHSPEC® Non-Polarizing Beamsplitters](#).

- 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





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