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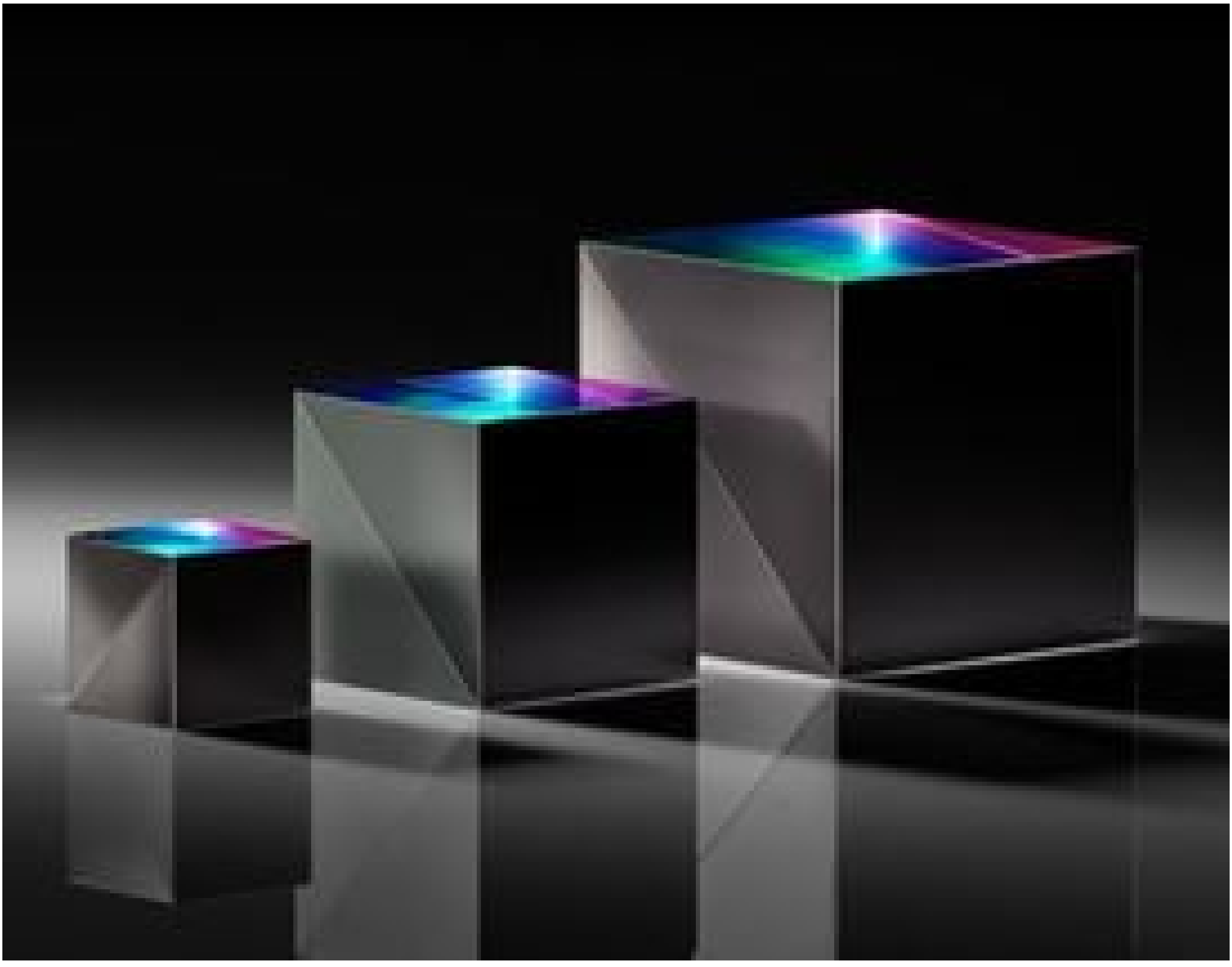
TECHSPEC® 50mm VIS, 50R/50T, Non-Polarizing In-Line Cube Beamsplitter



Stock **#20-098** **20+ In Stock**

- 1 + **€740**.00

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Volume Pricing	
Qty 1-5	**€740,00** each
Qty 6-25	**€630,00** each
Qty 26-99	**€545,00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Note:
Absorptive Surface Treatment on Blackened Face

Type:
Non-Polarizing Beamsplitter

Physical & Mechanical Properties

Bevel:
Protective as needed

Clear Aperture (%):
>90

Construction:
Cube

Dimensions (mm):
50.0 x 50.0 x 50.0

Optical Properties

Beam Deviation (arcmin):
≤2

Coating:
VIS

Coating Specification:
R_{avg} <0.5% @ 430 - 670nm

Reflection/Transmission Ratio (R/T):
50/50

Substrate:
N-BK7

Surface Quality:
40-20

Wavelength Range (nm):
430 - 670

|Ts-Tp|:
<6%

Absolute Transmission (%):
45 ±10

Average Transmission (%):
45 ±5

Power (fringes) @ 632.8nm:
1.25

Irregularity (fringes) @ 632.8nm:
0.25

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

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
- 50/50 Reflection/Transmission Ratio
- Ideal for In-Line Illumination

TECHSPEC® Non-Polarizing In-Line Cube Beamsplitters are specialized versions of **TECHSPEC® Broadband Non-Polarizing Cube Beamsplitters** that include a proprietary surface treatment on one surface. This feature reduces glare, interference artifacts, and improves image contrast. These cube beamsplitters are ideal for in-line illumination applications and are particularly useful in a wide range of applications that are sensitive to ghost reflections. TECHSPEC® Non-Polarizing In-Line Cube Beamsplitters are constructed from high tolerance right angle prisms and are Broadband Anti-Reflection (BBAR) coated to maximize transmission at specified wavelengths. These beamsplitters are spectrally flat within their design wavelength range, reducing undesirable effects caused by changes in the angle of incidence or converging/diverging beams.

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