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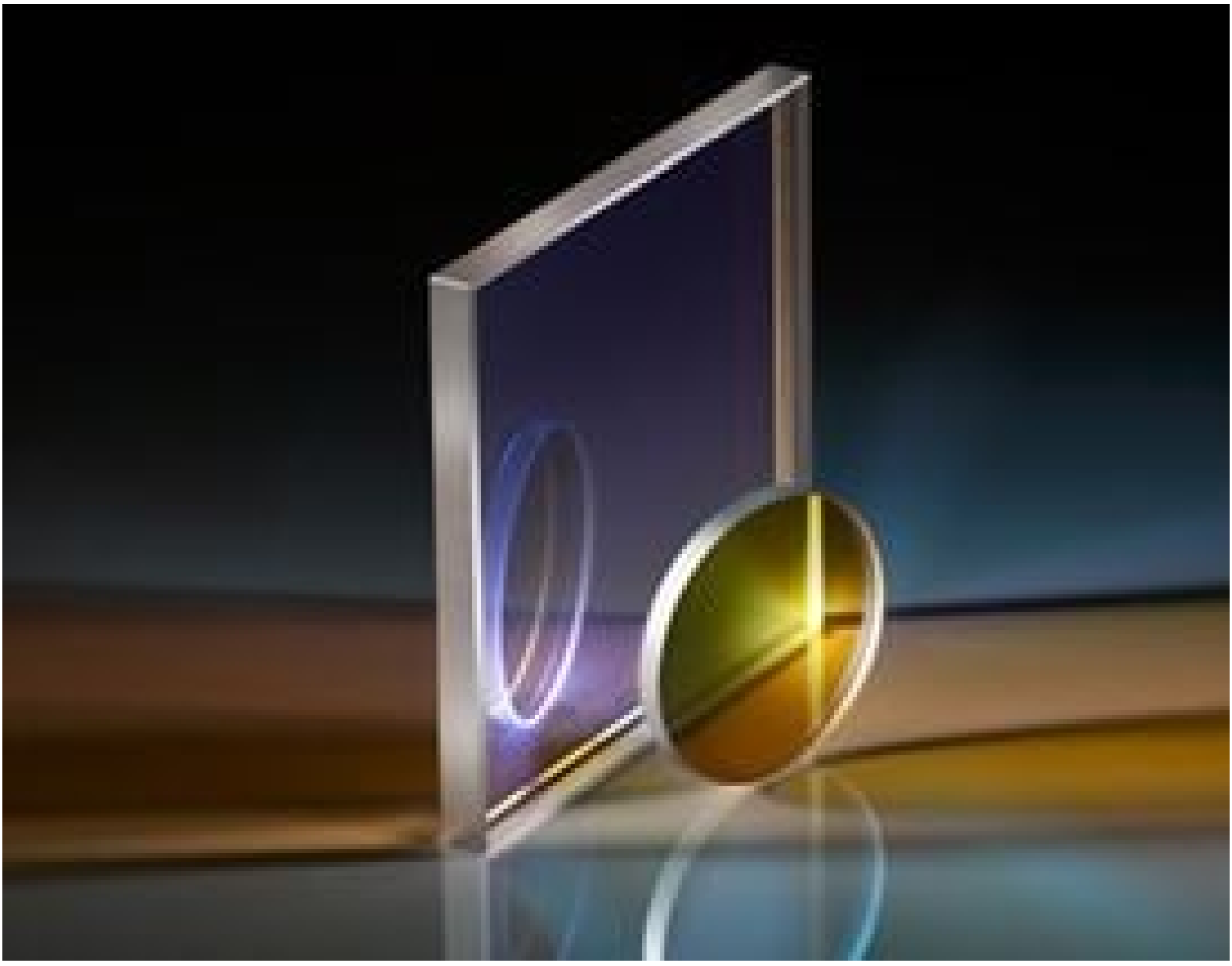
TECHSPEC® 70R/30T 50mm Dia., UV Plate Beamsplitter



TECHSPEC® UV Plate Beamsplitters

Stock **#84-491** **1 In Stock**

- 1 + **€253**.00

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Volume Pricing	
Qty 1-5	**€253,00** each
Qty 6-25	**€198,00** each
Qty 26-99	**€181,00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Standard Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):

>85

Construction:

Plate

Diameter (mm):
50.00 +0.00/-0.20

Parallelism (arcmin):
<5

Thickness (mm):
4.00 ±0.38

Optical Properties

Angle of Incidence (°):
45

Coating Specification:
Surface 1: R_{abs} = 70 ±5% @ 350nm, R_{avg} = 70 ±10% over 250 - 450nm
T_{abs} =30 ±5% @ 350nm, T_{avg} = 30 ±10% over 250 - 450nm
Surface 2: BBAR (R_{avg} <1%, R_{abs} <2% over 250 - 450nm)

Reflection/Transmission Ratio (R/T):
70/30

Substrate:
Fused Silica (Corning 7980)

Surface Flatness (P-V):
1λ

Surface Quality:
60-40

Wavelength Range (nm):
250 - 450

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

Product Details

- Multiple Transmission/Reflection Ratios Available
- BBAR Coated Second Surface
- Fused Silica Substrate

TECHSPEC® UV Plate Beamsplitters offer optimum performance in the 250-450nm spectral range and feature low absorption and negligible ghost reflections. The precision fused silica substrate has been designed to minimize the additional optical path length a beamsplitter adds to an imaging or photonic system. Available in multiple transmission/reflection ratios, TECHSPEC® UV Plate Beamsplitters are ideal for fluorescence imaging, biomedical and pharmaceutical applications, forensics, and spectroscopy. All coatings are designed for 45° AOI and random polarization.

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.**

Compatible Mounts