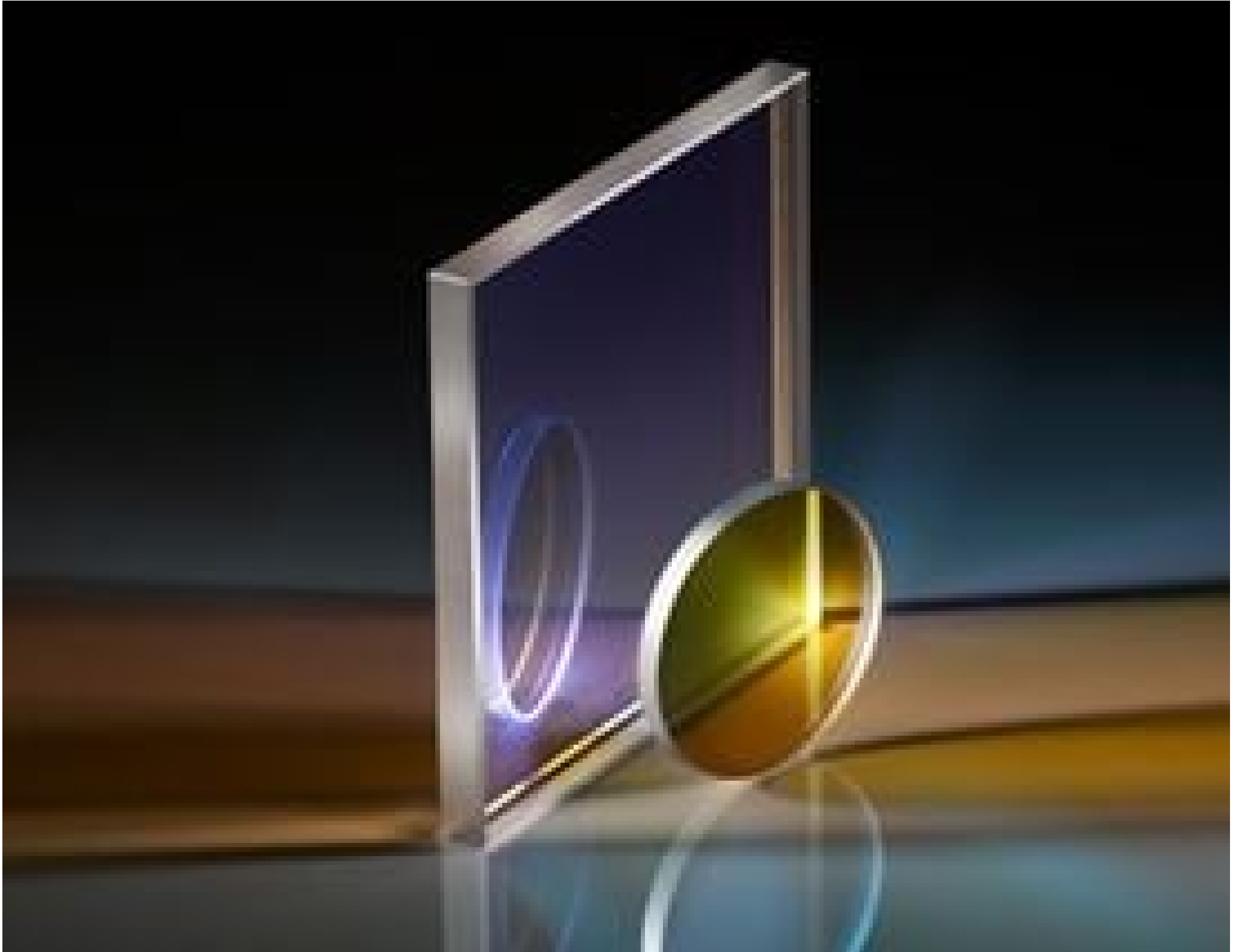


## TECHSPEC® 50R/50T 12.5 x 12.5mm, UV Plate Beamsplitter



TECHSPEC® UV Plate Beamsplitters

Stock #48-189 3-4 DAYS

⊖ 1 ⊕ €116.<sup>00</sup>

**ADD TO CART**

Qty 1-5  
€116,00

Qty 6+  
€92,00

Volume Pricing

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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads



## SPECIFICATIONS

### General

Type:  
Standard Beamsplitter

## Physical & Mechanical Properties

**Clear Aperture (%):**  
>85

**Construction:**  
Plate

**Dimensions (mm):**  
12.5 x 12.5 +0.00/-0.20

**Parallelism (arcmin):**  
<5

**Thickness (mm):**  
2.00 ±0.38

## Optical Properties

**Angle of Incidence (°):**  
45

**Coating Specification:**  
Surface 1:  $R_{\text{abs}} = 50 \pm 5\%$  @ 350nm,  $R_{\text{avg}} = 50 \pm 10\%$  over 250 - 450nm  
 $T_{\text{abs}} = 50 \pm 5\%$  @ 350nm,  $T_{\text{avg}} = 50 \pm 10\%$  over 250 - 450nm  
Surface 2: BBAR ( $R_{\text{avg}} < 1\%$ ,  $R_{\text{abs}} < 2\%$  over 250 - 450nm)

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

**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.

## COMPATIBLE MOUNTS