600 Grooves/mm, 50mm Sq, UV Transmission Grating Beamsplitter
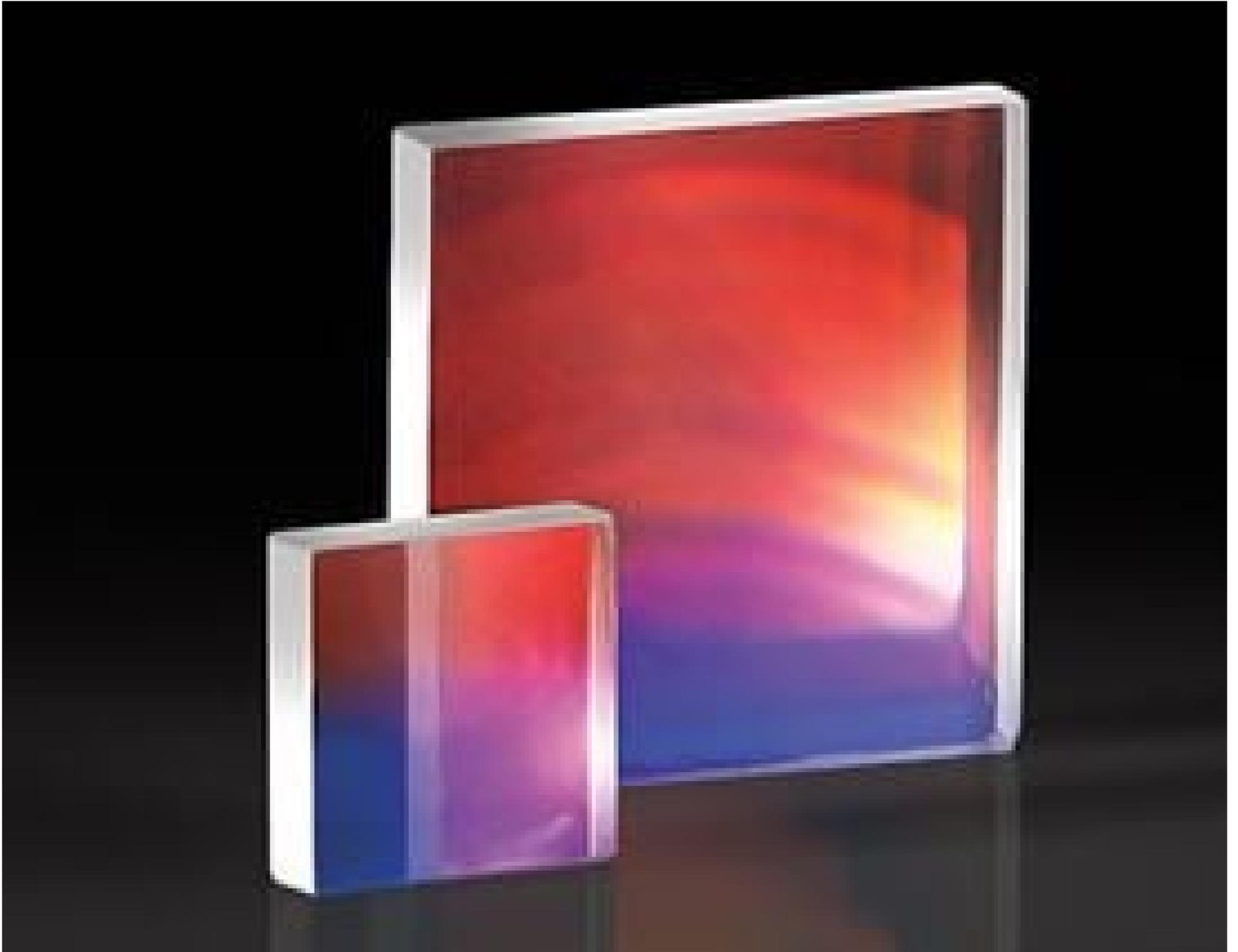
Stock **#85-297**   **1 In Stock**

⊖   1   ⊕   €365,⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-9	**€365,00** each
Qty 10-24	**€328,50** each
Qty 25+	**€273,75** each
Need More?	**Request Quote**

🛈 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

	Type:
Transmission Diffraction Grating	

Physical & Mechanical Properties

	Dimensions (mm):
50.00 x 50.00	
	Clear Aperture (%):
90	

	Construction:
Blazed Grating	
	Length (mm):
50.00	
	Thickness (mm):
2.00 ±0.5	
	Width (mm):
50.00	
	Alignment of Grooves to Edge (°):
±0.5	

Optical Properties

	Groove Density (grooves/mm):
600	
	Wavelength Range (nm):
250 - 600	
	Blaze Angle (°):
22.0	
	Substrate: □
Fused Silica (Corning 7980)	

Regulatory Compliance

|	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 247:
Compliant	

Product Details

- Multiple Diffraction Angles Available
- UV Grade Fused Silica Substrate
- Ideal for Fixed Grating Applications

Ideal for spectrographs and other compact systems using small detector arrays, UV Transmission Gratings are a simplistic means of dispersing light for fixed grating applications in the 250 – 450nm wavelength range. As incident light strikes the UV Transmission Gratings' coarse groove spacing, it is dispersed on the opposite side of the grating at a fixed angle. As groove spacing increases, the diffraction angle decreases. UV Transmission Gratings are relatively polarization insensitive and are fairly insensitive to alignment errors.

Handling Gratings: Gratings require special handling, making them prone to fingerprints and aerosols. Gratings should only be handled by the edges. Before attempting to clean a grating, please **contact us.**

Technical Information
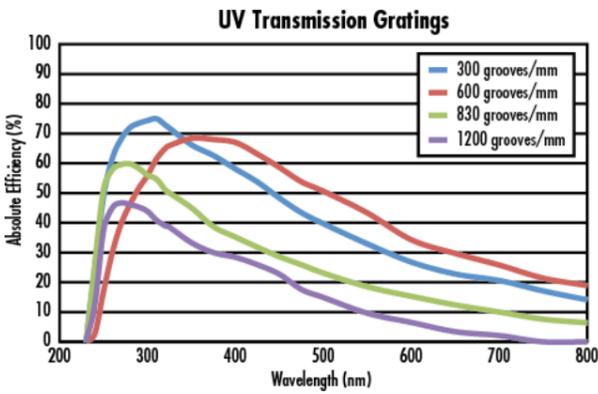
Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our **Optics Cleaning Resources** for step-by-step guides and best practices. For personalized assistance, **Email us** or **Chat** with our technical support team.

Component Handling Tools