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[UV Transmission Gratings](#)

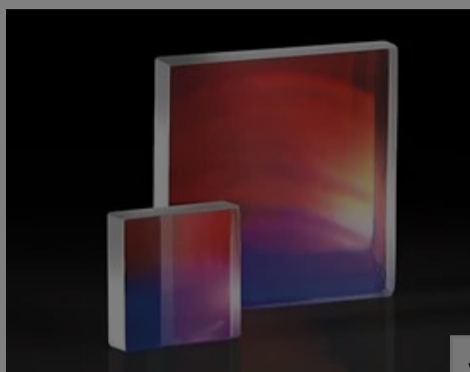
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# 1200 Grooves/mm Beamsplitter

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit



Stock #85-295 **1 In Stock**

1

€255<sup>,00</sup>

ADD TO CART

Volume Pricing	
Qty 1-9	€255,00 each
Qty 10-24	€229,50 each
Qty 25+	€191,25 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

### Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## General

**Type:** Transmission  
Diffraction  
Grating

## Physical & Mechanical Properties

**Dimensions (mm):** 25.00 x 25.00

**Clear Aperture (%):** 90

**Construction:** Blazed Grating

**Length (mm):** 25.00

**Thickness (mm):** 2.00 ±0.5

**Width (mm):** 25.00

**Alignment of Grooves to Edge (°):** ±0.5

## Optical Properties

**Groove Density (grooves/mm):** 1200

**Wavelength Range (nm):** 250 - 450

**Blaze Angle (°):** 26.7

**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, these gratings are designed for the 250 – 450nm wavelength range. As incident light strikes the grating, the diffraction angle depends on the groove spacing. As groove spacing increases, the diffraction angle decreases.

**Handling Gratings:** Gratings require special handling. For more information on handling gratings, please [contact us](#).

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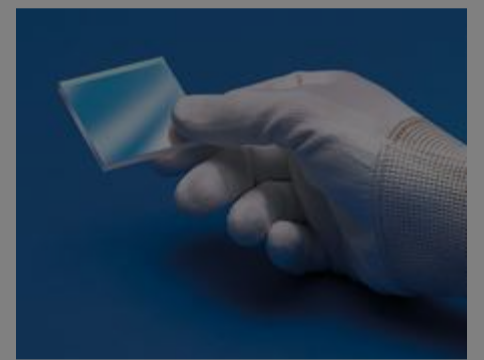
These gratings are designed for light for fixed grating applications in the 250 – 450nm wavelength range. As incident light strikes the grating at a fixed angle. As groove spacing increases, the diffraction angle decreases. As a result, gratings are sensitive to alignment errors.

Gratings require special handling. 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.



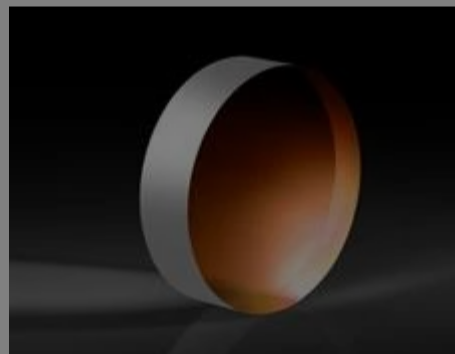
Component Handling Tools

### Frequently Purchased Together



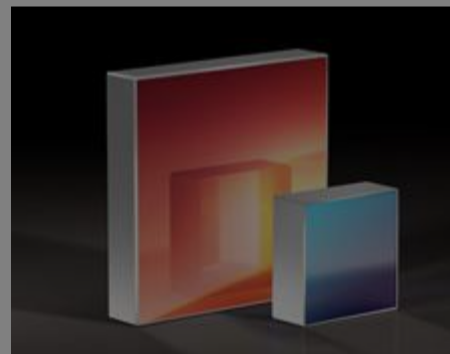
#45-343 - 100 x 100mm UV Enhanced Aluminum,  $\lambda/4$  Mirror  
€416,00

Qty



#48-069 - 50mm Dia., 5mm Thick, UV-VIS Coated  $\lambda/10$  Fused Silica Window  
€319,00

Qty



#48-465 - 1200 Grooves/mm, 25mm Square, UV Holographic Grating  
€195,00

Qty



#54-510 - 12,700 Lines/Inch, 2" Square Card, 15/Pack, Holographic Diffraction Grating Film  
€27,50

Qty



## Resources

### Media Type

- Scientific Paper
- Application Note
- FAQ
- Glossary
- Video

SCIENTIFIC PAPER

Ultraviolet fatigue testing of laser optics

APPLICATION NOTE

UV Optics: Tighter Tolerances and Different...

APPLICATION NOTE

Why Laser Damage Testing is Critical for UV...

? FAQ

Can BK7 be

GLOSSARY

Ultraviolet (UV)

WEBINARS

Helpful Tips for  
Selecting the  
Correct  
Diffraction...

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