

[See all 12 Products in Family](#)

830 Grooves/mm, 12.7mm Sq, UV Transmission Grating Beamsplitter



Stock #85-289 **11 In Stock**

- 1 + C\$180.⁰⁰

ADD TO CART

Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-9 | C\$180.60 each |
| Qty 10-24 | C\$162.54 each |
| Qty 25+ | C\$135.45 each |
| Need More? | Request Quote |

Product Downloads

General

Transmission Diffraction Grating **Type:**

Physical & Mechanical Properties

12.70 x 12.70 **Dimensions (mm):**

90 **Clear Aperture (%):**

| | |
|----------------|--|
| Blazed Grating | Construction: |
| 12.70 | Length (mm): |
| 2.00 ±0.5 | Thickness (mm): |
| 12.70 | Width (mm): |
| ±0.5 | Alignment of Grooves to Edge (°): |

Optical Properties

| | |
|-----------------------------|--|
| 830 | Groove Density (grooves/mm): |
| 250 - 450 | Wavelength Range (nm): |
| 19.4 | Blaze Angle (°): |
| Fused Silica (Corning 7980) | Substrate: <input type="checkbox"/> |

Regulatory Compliance

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

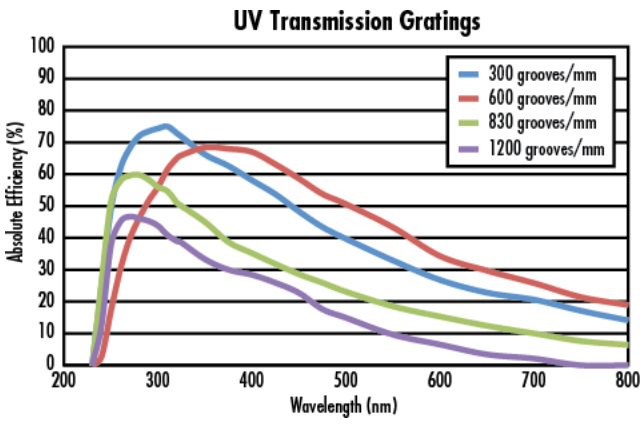
Product Details

- 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