

## 600 Grooves, 25mm Square, 1600nm NIR Ruled Grating



Stock #54-851 **5 In Stock**

- 1 + €185<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-9	€185,00 each
Qty 10-24	€166,50 each
Need More?	<a href="#">Request Quote</a>

**i** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Reflective Diffraction Grating **Type:**

### Physical & Mechanical Properties

25.0 x 25.0 ±0.5 **Dimensions (mm):**

90 **Clear Aperture (%):**

**Construction:**  
Ruled Grating

**Direction of Grooves:**  
Parallel to Short Dimension

**Length (mm):**  
25.00

**Thickness (mm):**  
9.50 ±0.5

**Width (mm):**  
25.00

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

## Optical Properties

**Groove Density (grooves/mm):**  
600

**Wavelength Range (nm):**  
700 - 3000

**Blaze Wavelength (nm):**  
1600

**Blaze Angle (°):**  
28.68

**Coating:**  
Bare Gold

**Substrate:**   
Float Glass

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 247:**  
[Compliant](#)

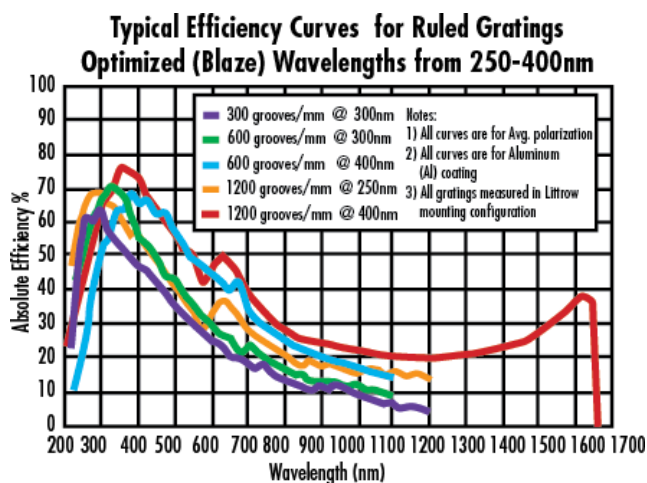
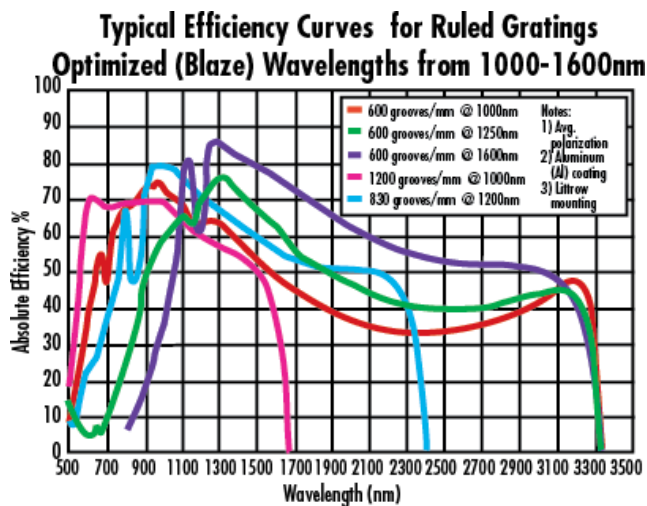
## Product Details

- Increased Reflection from 700 - 1100nm

Near-IR (NIR) Reflective Gold Gratings are ruled gold-coated versions of our commercial gratings. These gratings provide increased reflection from 700 - 1100nm. This makes them an excellent choice for applications such as fiber optic pulse compression and spectroscopy setups using [silicon detectors](#). Near-IR (NIR) Reflective Gold Gratings feature a float glass substrate and a ruled grating construction. The gratings are available in three sizes, with varying groove densities and blaze wavelengths.

**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

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