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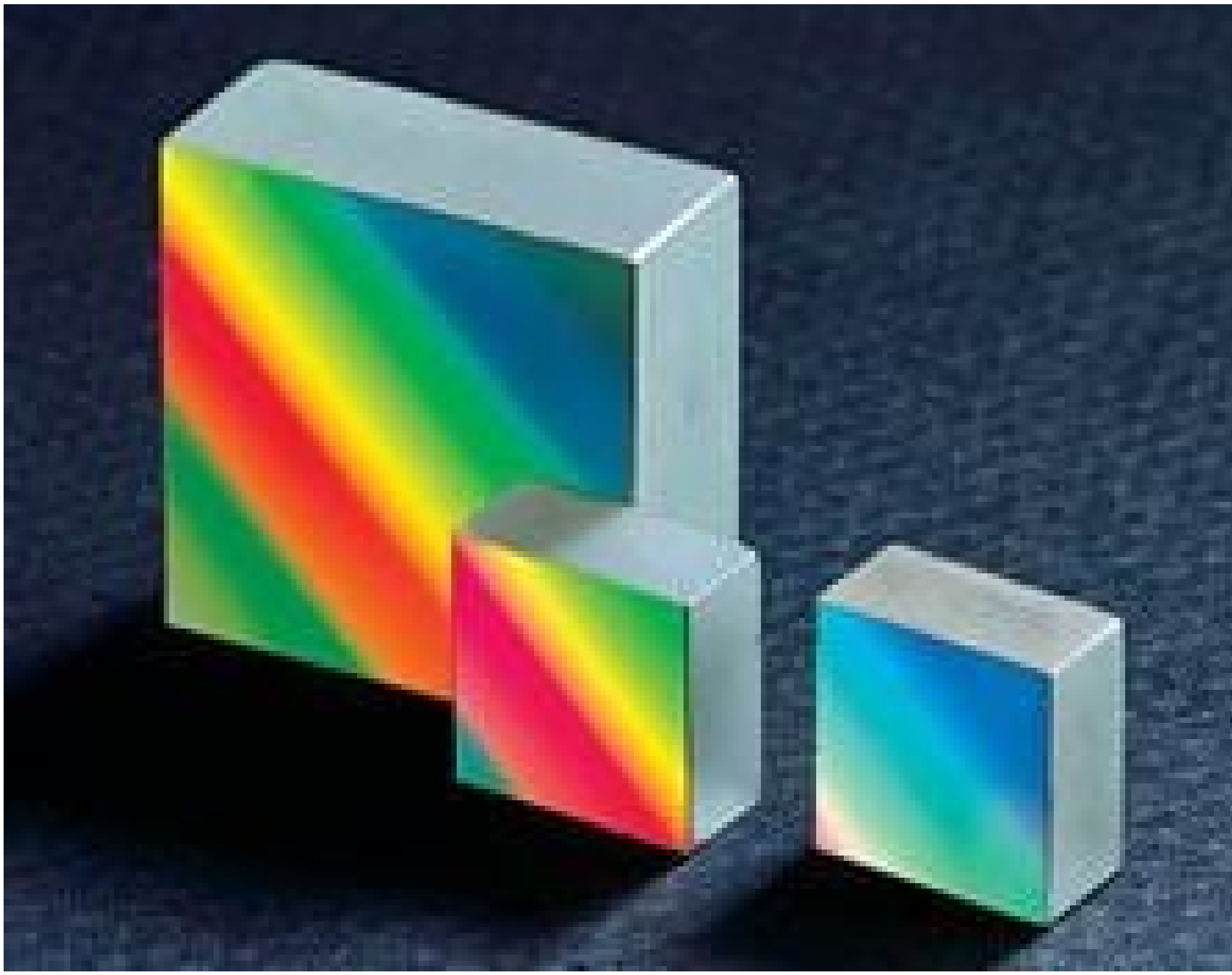
830 Grooves, 12.7mm Square, 1250nm NIR Ruled Grating



Stock **#46-079** **10 In Stock**

- 1 + **£124**.00

ADD TO CART

Volume Pricing	
Qty 1-9	**£124.00** each
Qty 10-24	**£111.60** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Reflective Diffraction Grating

Physical & Mechanical Properties

Dimensions (mm):

12.7 x 12.7 ±0.5

Clear Aperture (%):

90

Construction:	Ruled Grating
Direction of Grooves:	Parallel to Short Dimension
Length (mm):	12.70
Thickness (mm):	6.00 ±0.5
Width (mm):	12.70
Alignment of Grooves to Edge (°):	±0.5

Optical Properties

Groove Density (grooves/mm):	830
Wavelength Range (nm):	700 - 3000
Blaze Wavelength (nm):	1200
Blaze Angle (°):	29.87
Coating:	Bare Gold
Substrate:	Float Glass

Regulatory Compliance

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

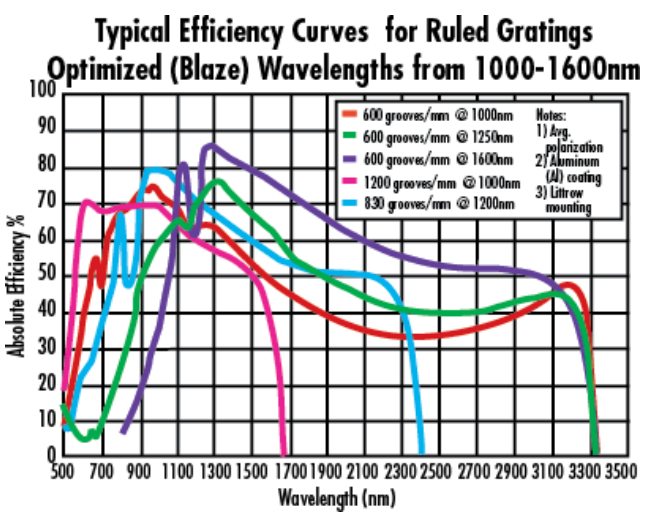
Product Details

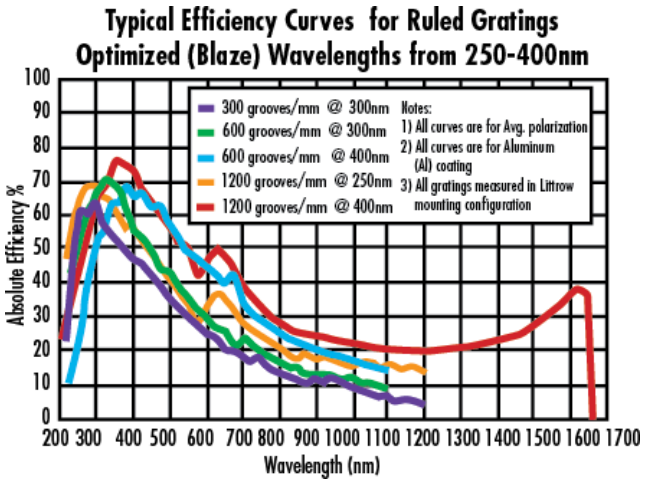
- Increased Reflection from 700 - 1100nm

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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