

830 Grooves, 12.7mm Square, 800nm NIR Ruled Grating



Stock **#43-849** 4 In Stock

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1

+

₹10,743

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General

Reflective Diffraction Grating

Type:

Physical & Mechanical Properties

12.7 x 12.7 ±0.5

Dimensions (mm):

90

Clear Aperture (%):

Ruled Grating

Construction:

Direction of Grooves:

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

Optical Properties	
830	Groove Density (grooves/mm):
700 - 3000	Wavelength Range (nm):
800	Blaze Wavelength (nm):
19.38	Blaze Angle (°):
Bare Gold	Coating:
Float Glass	Substrate: ☐

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

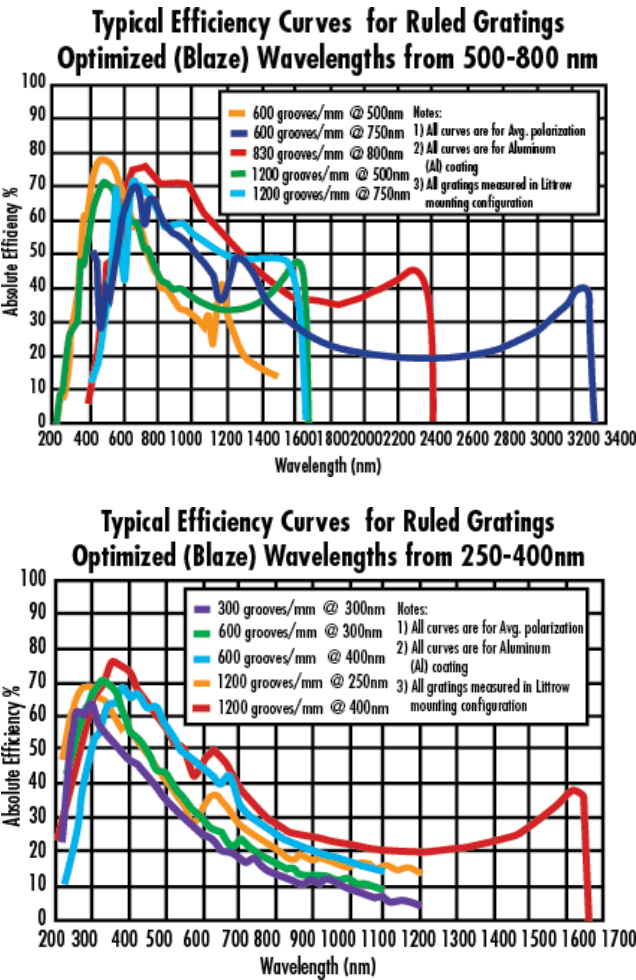
Product Details

- 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

