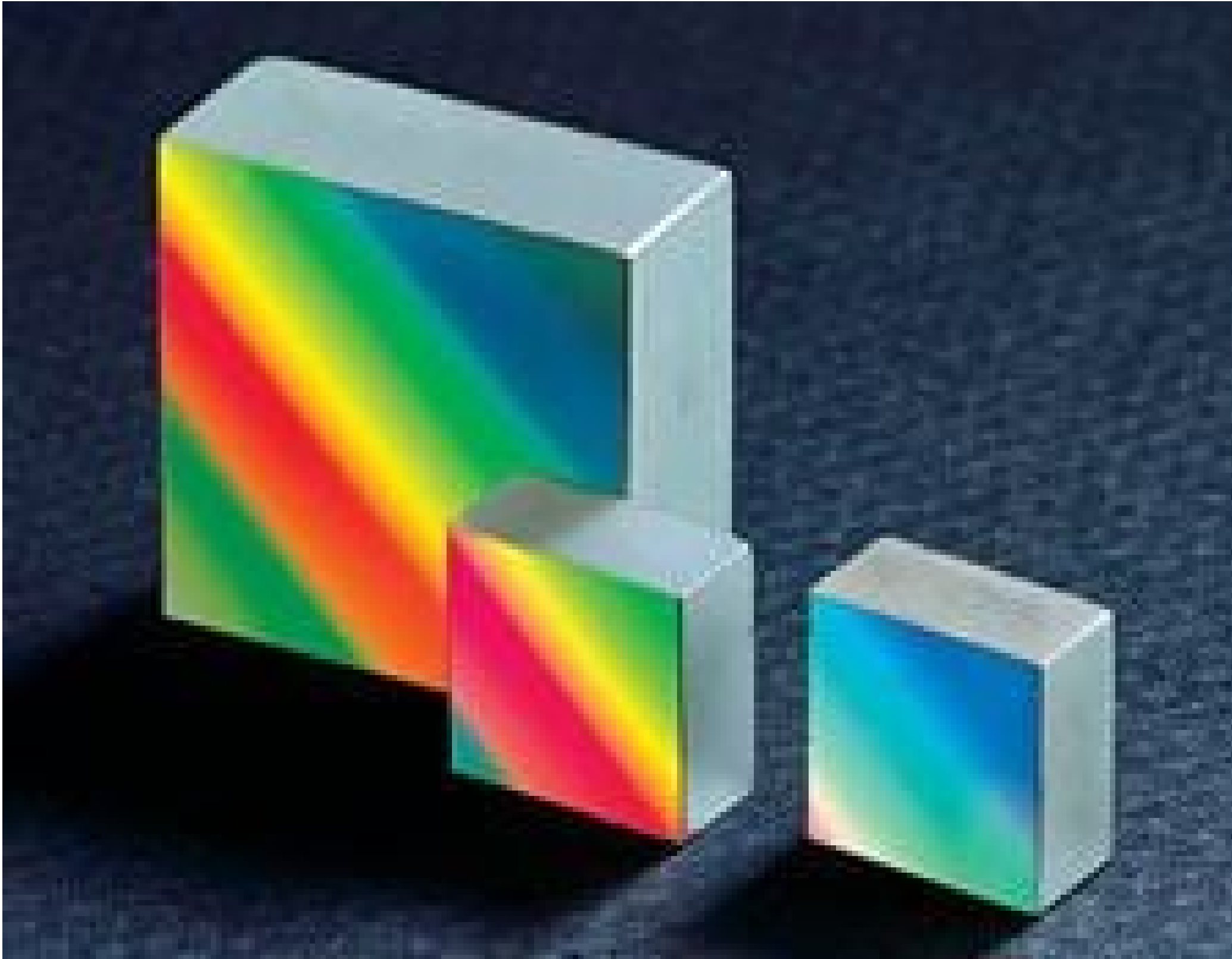


600 Grooves, 30mm Square, 1600nm NIR Ruled Grating



Stock **#48-427** 1 In Stock

-

1

+

₹15,492

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Volume Pricing	
Qty 1+	₹15,492 each
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General

Type:

Reflective Diffraction Grating

Physical & Mechanical Properties

Dimensions (mm):

30.0 x 30.0 ±0.5

Clear Aperture (%):

90

Construction:

Ruled Grating

Direction of Grooves:

Parallel to Short Dimension	
Length (mm):	30.00
Thickness (mm):	9.50 ±0.5
Width (mm):	30.00
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

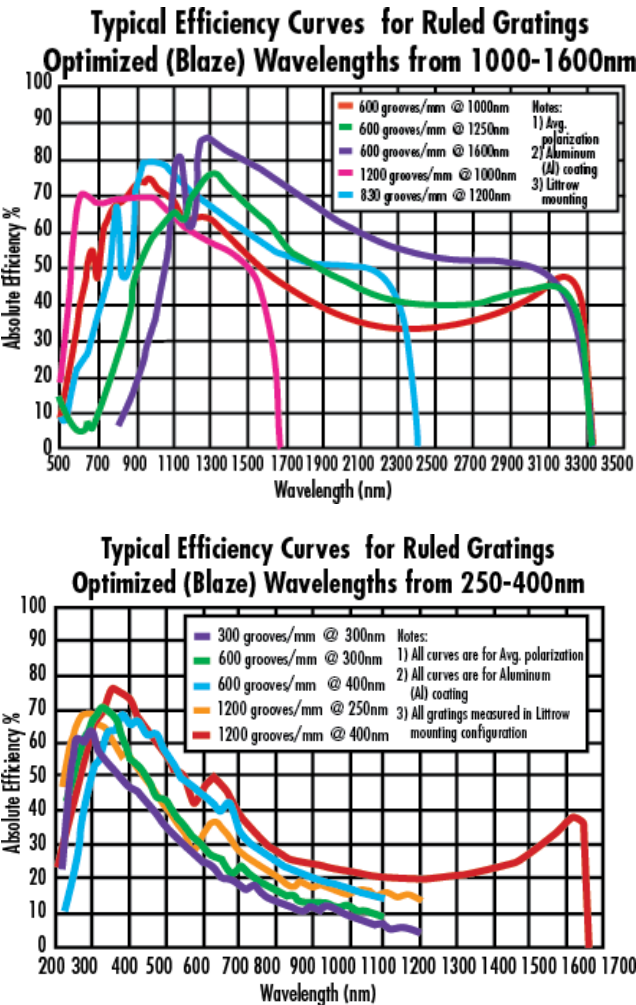
Regulatory Compliance

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

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
