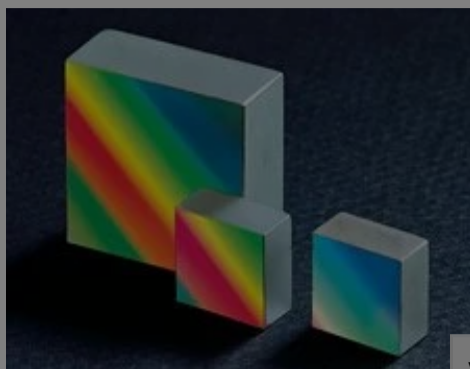


[All Products](#) / [Optics](#) / [Diffraction](#)  
/ [Near-IR \(NIR\) Reflective Gold G](#)

[See all 20 Products in Family](#)

# 1200 Grooves, 3



Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1

€225<sup>00</sup>

ADD TO CART

### Volume Pricing

Qty 1-9	€225,00 each
Qty 10-24	€202,50 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

### Product Downloads

- STEP:step
- Curve
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## 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):** 1200

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

**Blaze Wavelength (nm):** 750

**Blaze Angle (°):** 26.73

**Coating:** Bare Gold

**Substrate:** Float Glass

## Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Reach 247: **Compliant**

- 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.

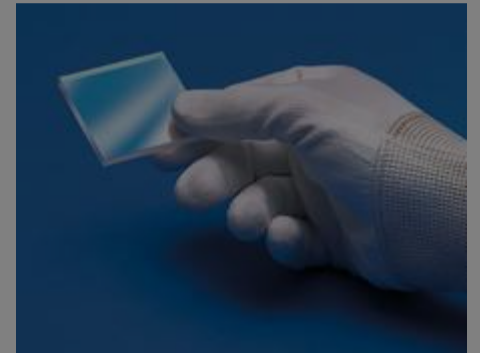
**Handling Gratings:** Gratings require special handling, making them prone to fingerprints and scratches. Gratings should only be handled by the edges. Before attempting to clean a grating, please [contact us](#).

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

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## 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.



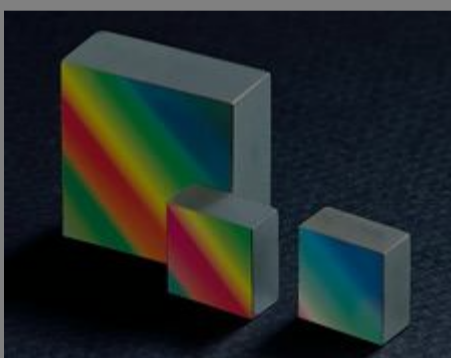
Component Handling Tools

## Related Products



Adjustable Grating Mounts

## Frequently Purchased Together



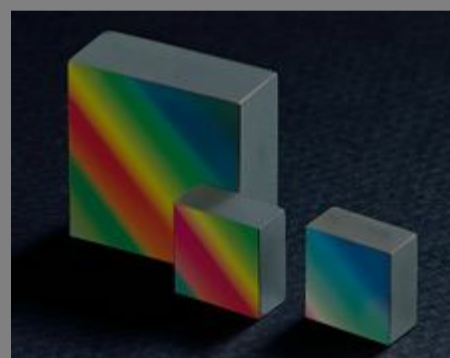
#46-080 - 830 Grooves, 25mm Square, 1250nm NIR Ruled Grating  
€185,00

Qty



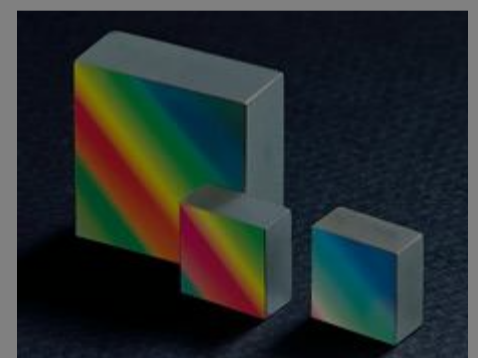
#55-010 - 25.4mm, Polarizer Mount  
€221,00

Qty



#55-262 - 830 Grooves, 30mm Square, 800nm NIR Ruled Grating  
€225,00

Qty



#55-263 - 1200 Grooves, 30mm Square, 1000nm NIR Ruled Grating  
€225,00

Qty



# Resources

### Media Type

- Glossary
- Application Note
- Video
- FAQ

GLOSSARY

NIP (NIP)

GLOSSARY

VIC (NIP)

WEBINARS

Helpful Tips for  
Selecting the  
Correct  
Diffraction...

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APPLICATION NOTE

All About  
Diffraction  
Gratings

VIDEO

Richardson  
Gratings™  
Unboxing

? FAQ

What is the  
difference  
between  
holographic...

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