

# 830 Grooves, 30mm Square, 800nm NIR Ruled Grating



Stock **#55-262** [CONTACT US](#)

-

1

+

₹15,492

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | ₹15,492 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

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 |                                   |
|                             |                                   |
| 30.00                       | Length (mm):                      |
|                             |                                   |
| 9.50 ±0.5                   | Thickness (mm):                   |
|                             |                                   |
| 30.00                       | 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: <input type="checkbox"/> |

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

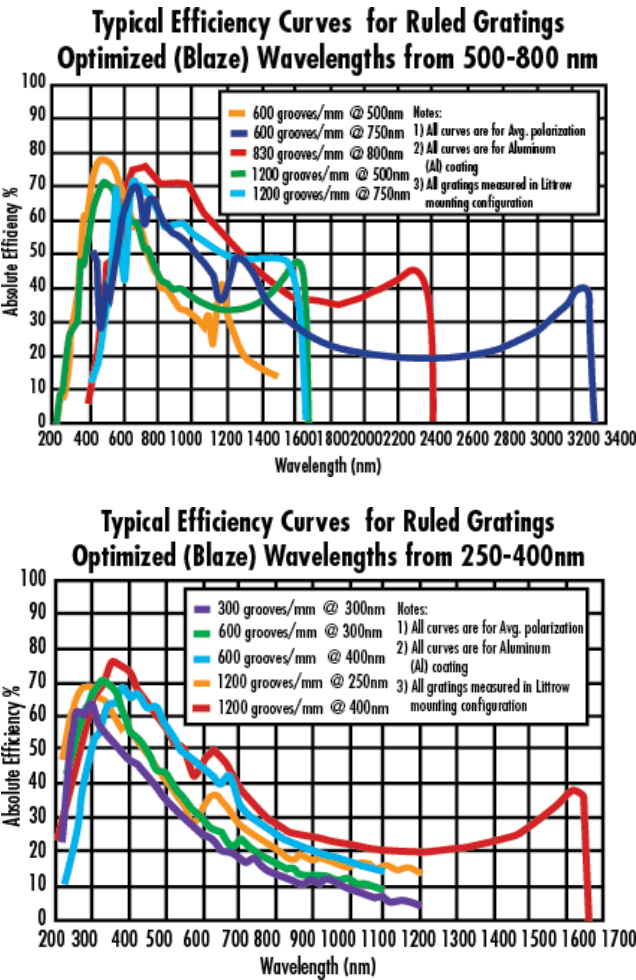
## Product Details

- 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