

[All Products](#) / [Optics](#) / [Diffraction Gratings](#) / [Ruled Reflective Diffraction Gratings](#)

Richardson Gratings™ High Precision Plane Reflective Gold Diffraction Gratings

 See More by [Richardson Gratings™](#)


- Optimized for use from 350-800nm (500nm) or 700-1600nm (1000nm)
- Available in standard sizes 12.7 x 12.7, 25 x 25 and 30 x 30mm
- Groove Spacing Tolerance <0.05%
- Custom Sizes Available

Common Specifications

Physical & Mechanical Properties

Clear Aperture (%):	>90	Construction:	Ruled Grating
Thickness (mm):	6.00 ±0.5	Centering of Ruled Area on Substrate (mm):	±1
Alignment of Grooves to Edge (°):	±0.15	Groove Spacing Tolerance (%):	<0.05

Optical Properties

Groove Density (grooves/mm):	600	Coating:	Gold
Substrate:	Float Glass	Reflected Wavefront, RMS:	λ/4
Polarization:	S, P and Average	Spectral Order (m):	1

Technical Information

Products

Groove Density (grooves/mm)	Wavelength Range (nm)	Blaze Wavelength (nm)	Dimensions (mm)	Master Reference	Spectral Order (m)	Stock Number	Price	Buy
600	350 - 800	500	12.7 x 12.7	260R	1	#15-775	S\$232.99	14 In Stock
600	350 - 800	500	25.0 x 25.0	260R	1	#15-776	S\$280.78	10 In Stock
600	350 - 800	500	30.0 x 30.0	260R	1	#15-777	S\$301.69	16 In Stock
600	700 - 1600	1000	12.7 x 12.7	520R	1	#15-778	S\$232.99	13 In Stock
600	700 - 1600	1000	25.0 x 25.0	520R	1	#15-779	S\$280.78	3 In Stock
600	700 - 1600	1000	30.0 x 30.0	520R	1	#15-780	S\$301.69	12 In Stock



Copyright 2024, Edmund Optics Singapore Pte. Ltd, 18 Woodlands Loop #04-00, Singapore 738100
[PRIVACY POLICY](#) [COOKIE POLICY](#) [TERMS & CONDITIONS](#)

Phone: 1-800-363-1992 :
www.edmundoptics.com