

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

Richardson Gratings™ High Precision Reflective Holographic Diffraction Gratings

See More by [Richardson Gratings™](#)



- High Diffraction Efficiency
- Reduced Stray Light and More Accurate Periodicity than Ruled Gratings
- Wavelength Options from UV to NIR Regions Available
- Custom Sizes Available

Common Specifications

Physical & Mechanical Properties			
Clear Aperture (%):	>90	Construction:	Holographic 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			
Coating:	Aluminium	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
1200	400 - 1200	700	12.7 x 12.7	220H	1	#15-745	€142,14	1 In Stock
1200	400 - 1200	700	25.0 x 25.0	220H	1	#15-746	€173,04	7 In Stock
1200	400 - 1200	700	30.0 x 30.0	220H	1	#15-747	€184,37	3 In Stock
1800	190 - 900	250	12.7 x 12.7	300H	1	#15-748	€142,14	7 In Stock
1800	250 - 900	450	12.7 x 12.7	320H	1	#15-751	€142,14	16 In Stock
1800	250 - 900	450	25.0 x 25.0	320H	1	#15-752	€173,04	14 In Stock
1800	190 - 900	250	25.0 x 25.0	300H	1	#15-749	€173,04	5 In Stock
1800	190 - 900	250	30.0 x 30.0	300H	1	#15-750	€184,37	6 In Stock
1800	250 - 900	450	30.0 x 30.0	320H	1	#15-753	€184,37	17 In Stock
2400	200 - 800	270	12.7 x 12.7	420H	1	#15-754	€142,14	7 In Stock
2400	150 - 800	250	12.7 x 12.7	410H	1	#15-757	€142,14	1 In Stock
2400	150 - 800	250	25.0 x 25.0	410H	1	#15-758	€173,04	9 In Stock
2400	200 - 800	270	25.0 x 25.0	420H	1	#15-755	€173,04	14 In Stock
2400	200 - 800	270	30.0 x 30.0	420H	1	#15-756	€184,37	5 In Stock
2400	150 - 800	250	30.0 x 30.0	410H	1	#15-759	€184,37	15 In Stock



Copyright 2025 | Edmund Optics BV, De Maas 22B, 5684 PL Best, The Netherlands
 Phone: 1-800-363-1992 :
www.edmundoptics.com