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Richardson Gratings™ High Precision Plane Ruled Reflective Diffraction Gratings

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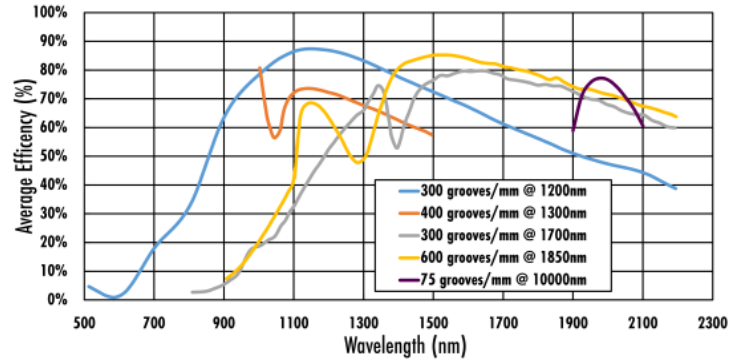
- Excellent Efficiency at Blaze Wavelength and Blaze Angle
- Superior Dimensional Tolerances
- Ideally Suited for Spectroscopic Applications
- Custom Sizes Available

Common Specifications

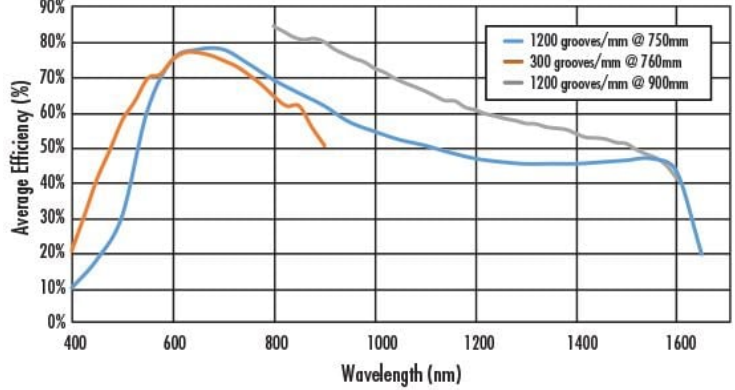
Physical & Mechanical Properties			
Clear Aperture (%):		>90	Construction: Ruled Grating
Thickness (mm):		6.00 ±0.5	Groove Spacing Tolerance (%): <0.05
Optical Properties			
Coating: Aluminium		Substrate: Float Glass	
Spectral Order (m): 1			

Technical Information

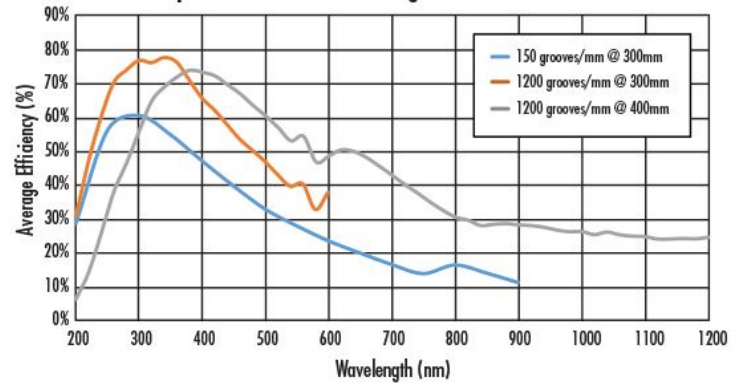
Typical Efficiency Curves for High Precision Reflection Gratings
Optimized (Blaze) Wavelengths from 1200 - 1850nm



Typical Efficiency Curves for High Precision Reflection Gratings
Optimized (Blaze) Wavelengths from 750 - 900nm



**Typical Efficiency Curves for High Precision Reflection Gratings
Optimized (Blaze) Wavelengths from 300 - 400nm**



Products

Groove Density (grooves/mm)	Wavelength Range (nm)	Blaze Wavelength (nm)	Dimensions (mm)	Master Reference	Spectral Order (m)	Stock Number	Price	Buy
75	7000 - 16000	10000	12.5 x 25.0	1104	1	#15-771	C\$230.02	8 In Stock
75	7000 - 16000	10000	12.7 x 12.7	1104	1	#15-769	C\$198.86	6 In Stock
75	7000 - 16000	10000	25.0 x 25.0	1104	1	#15-770	C\$253.76	20+ In Stock
150	200 - 900	300	12.5 x 12.5	1524	1	#37-117	C\$198.86	5 In Stock
150	200 - 900	300	25.0 x 25.0	1524	1	#37-128	C\$253.76	20+ In Stock
300	450 - 1400	760	12.5 x 12.5	1451	1	#37-118	C\$198.86	4 In Stock
300	1000 - 5000	3000	12.5 x 25.0	1156	1	#15-774	C\$230.02	13 In Stock
300	1000 - 5000	3000	12.7 x 12.7	1156	1	#15-772	C\$198.86	7 In Stock
300	750 - 2000	1200	25.0 x 25.0	0938	1	#37-130	C\$253.76	5 In Stock
300	1000 - 5000	3000	25.0 x 25.0	1156	1	#15-773	C\$253.76	20+ In Stock
300	750 - 2000	1200	12.5 x 12.5	0938	1	#37-119	C\$198.86	2 In Stock
300	700 - 1000	1700	12.5 x 12.5	0891	1	#37-120	C\$198.86	5 In Stock
300	450 - 1400	760	25.0 x 25.0	1451	1	#37-129	C\$253.76	5 In Stock
300	700 - 1000	1700	25.0 x 25.0	0891	1	#37-131	C\$253.76	2 In Stock
400	800 - 1800	1300	12.5 x 12.5	0986	1	#37-121	C\$198.86	9 In Stock
400	800 - 1800	1300	25.0 x 25.0	0986	1	#37-132	C\$253.76	4 In Stock
500	350 - 1200	560	12.5 x 12.5	1350	1	#37-122	C\$198.86	11 In Stock
500	350 - 1200	560	25.0 x 25.0	1350	1	#37-133	C\$253.76	5 In Stock
600	1000 - 2400	1850	12.5 x 12.5	0951	1	#37-123	C\$198.86	2 In Stock
600	350 - 800	500	12.5 x 25.0	1670	1	#15-765	C\$230.02	14 In Stock
600	350 - 800	500	12.7 x 12.7	1267	1	#15-763	C\$198.86	20+ In Stock
600	350 - 800	500	25.0 x 25.0	1267	1	#15-764	C\$253.76	7 In Stock
600	1000 - 2400	1850	25.0 x 25.0	0951	1	#37-134	C\$253.76	2 In Stock
1200	250 - 1000	300	12.5 x 12.5	0990	1	#37-124	C\$198.86	1 In Stock
1200	200 - 1600	400	12.5 x 12.5	1264	1	#37-125	C\$198.86	5 In Stock
1200	450 - 1500	750	12.5 x 12.5	2917	1	#37-126	C\$198.86	5 In Stock
1200	500 - 1500	900	12.5 x 12.5	MR224	1	#37-127	C\$198.86	4 In Stock
1200	175 - 400	250	12.7 x 12.7	2840	1	#15-760	C\$198.86	15 In Stock
600	700 - 1600	1000	12.7 x 12.7	3017	1	#15-766	C\$198.86	16 In Stock

1200	175 - 400	250	12.5 x 25.0	2840	1	#15-762	C\$230.02	20+ In Stock
600	700 - 1600	1000	12.5 x 25.0	3017	1	#15-768	C\$230.02	14 In Stock
1200	175 - 400	250	25.0 x 25.0	2840	1	#15-761	C\$253.76	5 In Stock
1200	200 - 1200	300	25.0 x 25.0	0990	1	#37-135	C\$253.76	8 In Stock
1200	200 - 1600	400	25.0 x 25.0	1264	1	#37-136	C\$253.76	2 In Stock
1200	450 - 1500	750	25.0 x 25.0	2917	1	#37-137	C\$253.76	10 In Stock
1200	500 - 1500	900	25.0 x 25.0	MR224	1	#37-138	C\$253.76	6 In Stock
600	700 - 1600	1000	25.0 x 25.0	3017	1	#15-767	C\$253.76	7 In Stock



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