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Richardson Gratings™ High Precision Plane Ruled Reflective Diffraction Gratings

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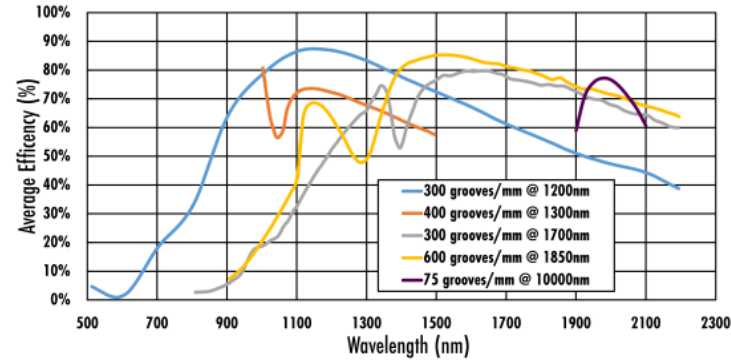
- Excellent Efficiency at Blaze Wavelength and Blaze Angle
- Superior Dimensional Tolerances
- Ideally Suited for Spectroscopic Applications
- Custom Sizes Available

Common Specifications

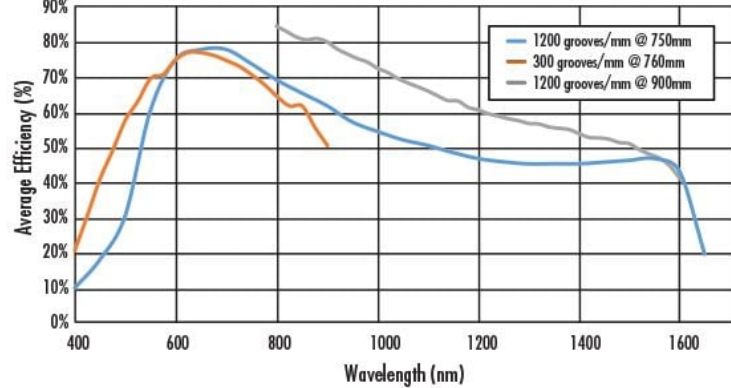
Physical & Mechanical Properties			
Clear Aperture (%):	>90	Construction:	Ruled Grating
Thickness (mm):	6.00 ±0.5	Groove Spacing Tolerance (%):	<0.05
Optical Properties			
Coating:	Aluminium	Substrate:	Float Glass
Spectral Order (m):	1		

Technical Information

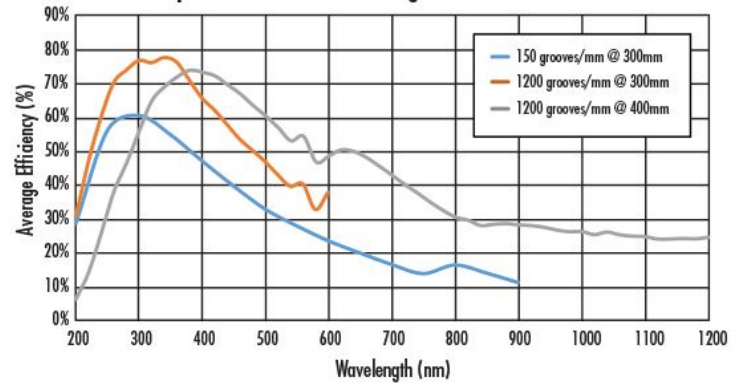
Typical Efficiency Curves for High Precision Reflection Gratings
Optimized (Blaze) Wavelengths from 1200 - 1850nm



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	£135.70	8 In Stock
75	7000 - 16000	10000	12.7 x 12.7	1104	1	#15-769	£117.32	6 In Stock
75	7000 - 16000	10000	25.0 x 25.0	1104	1	#15-770	£149.71	20+ In Stock
150	200 - 900	300	12.5 x 12.5	1524	1	#37-117	£117.32	5 In Stock
150	200 - 900	300	25.0 x 25.0	1524	1	#37-128	£149.71	20+ In Stock
300	450 - 1400	760	12.5 x 12.5	1451	1	#37-118	£117.32	4 In Stock
300	1000 - 5000	3000	12.5 x 25.0	1156	1	#15-774	£135.70	13 In Stock
300	1000 - 5000	3000	12.7 x 12.7	1156	1	#15-772	£117.32	7 In Stock
300	750 - 2000	1200	25.0 x 25.0	0938	1	#37-130	£149.71	5 In Stock
300	1000 - 5000	3000	25.0 x 25.0	1156	1	#15-773	£149.71	20+ In Stock
300	750 - 2000	1200	12.5 x 12.5	0938	1	#37-119	£117.32	2 In Stock
300	700 - 1000	1700	12.5 x 12.5	0891	1	#37-120	£117.32	5 In Stock
300	450 - 1400	760	25.0 x 25.0	1451	1	#37-129	£149.71	5 In Stock
300	700 - 1000	1700	25.0 x 25.0	0891	1	#37-131	£149.71	2 In Stock
400	800 - 1800	1300	12.5 x 12.5	0986	1	#37-121	£117.32	9 In Stock
400	800 - 1800	1300	25.0 x 25.0	0986	1	#37-132	£149.71	4 In Stock
500	350 - 1200	560	12.5 x 12.5	1350	1	#37-122	£117.32	11 In Stock
500	350 - 1200	560	25.0 x 25.0	1350	1	#37-133	£149.71	5 In Stock
600	1000 - 2400	1850	12.5 x 12.5	0951	1	#37-123	£117.32	2 In Stock
600	350 - 800	500	12.5 x 25.0	1670	1	#15-765	£135.70	14 In Stock
600	350 - 800	500	12.7 x 12.7	1267	1	#15-763	£117.32	20+ In Stock
600	350 - 800	500	25.0 x 25.0	1267	1	#15-764	£149.71	7 In Stock
600	1000 - 2400	1850	25.0 x 25.0	0951	1	#37-134	£149.71	3 In Stock
1200	250 - 1000	300	12.5 x 12.5	0990	1	#37-124	£117.32	1 In Stock
1200	200 - 1600	400	12.5 x 12.5	1264	1	#37-125	£117.32	5 In Stock
1200	450 - 1500	750	12.5 x 12.5	2917	1	#37-126	£117.32	5 In Stock
1200	500 - 1500	900	12.5 x 12.5	MR224	1	#37-127	£117.32	4 In Stock
1200	175 - 400	250	12.7 x 12.7	2840	1	#15-760	£117.32	15 In Stock
600	700 - 1600	1000	12.7 x 12.7	3017	1	#15-766	£117.32	16 In Stock

1200	175 - 400	250	12.5 x 25.0	2840	1	#15-762	£135.70	20+ In Stock
600	700 - 1600	1000	12.5 x 25.0	3017	1	#15-768	£135.70	14 In Stock
1200	175 - 400	250	25.0 x 25.0	2840	1	#15-761	£149.71	5 In Stock
1200	200 - 1200	300	25.0 x 25.0	0990	1	#37-135	£149.71	8 In Stock
1200	200 - 1600	400	25.0 x 25.0	1264	1	#37-136	£149.71	2 In Stock
1200	450 - 1500	750	25.0 x 25.0	2917	1	#37-137	£149.71	10 In Stock
1200	500 - 1500	900	25.0 x 25.0	MR224	1	#37-138	£149.71	6 In Stock
600	700 - 1600	1000	25.0 x 25.0	3017	1	#15-767	£149.71	7 In Stock



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