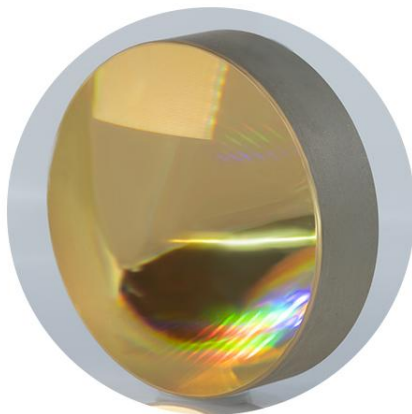




平场凹面光栅 波长:340 – 800nm



产品描述

筱晓上海光子的平场成像凹面光栅(Flat Field Concave Gratings)具有既不平行也不等距的凹槽。这种凹面光栅旨在 **Max.** 限度地减少散光和彗差。这使得像差校正凹面光栅非常适合用于平面阵列探测器，例如光电二极管阵列 (PDA) 或二维阵列探测器，例如电荷耦合器件 (CCD) 探测器。光栅的成像特性还意味着多个源（例如光纤输入）可以同时成像到入口狭缝上，并将每个信号分别读出到二维探测器或多个堆叠阵列探测器上。

产品型号

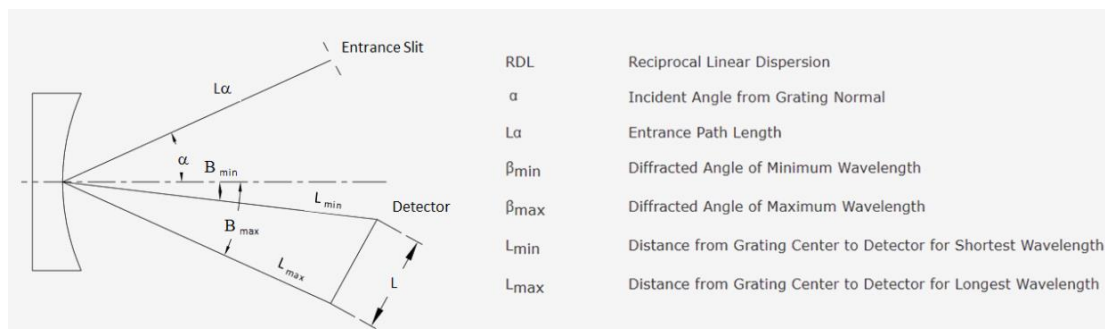
954-300-030

核心参数

波长范围	凹槽密度	色散
340 - 800nm	954g/mm	12.2nm/mm



详细参数



RDL : Reciprocal Linear Dispersion

互易线性色散

α : Incident Angle from Grating Normal

光栅法线的入射角

$L\alpha$: Entrance Path Length

入口路径长度

$\beta_{\min}$: Diffracted Angle of Minimum Wavelength

Min. 波长的衍射角

$\beta_{\max}$: Diffracted Angle of Maximum Wavelength

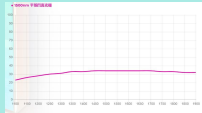
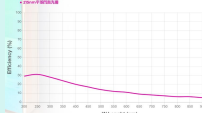
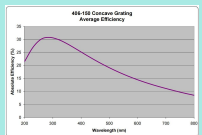
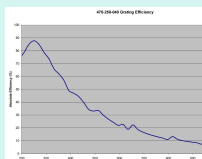
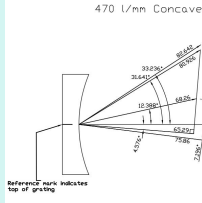
Max. 波长的衍射角

$L_{\min}$: Distance from Grating Center to Detector for Shortest Wavelength

最短波长光栅中心到探测器的距离

$L_{\max}$: Distance from Grating Center to Detector for Longest Wavelength

最长波长光栅中心到探测器的距离

型号	凹槽密度 (g/mm)	dispersion on 色 散 (nm/mm)	blaze-wave length 闪耀波长 nm	波长范围 nm	光谱 长度 mm	λ (mm)	f-number	直径 (mm)	效率曲线或其它																											
164-1500-045	164	32	1500	1100-1900	25	99	2.6	45																												
378-215-034	378	24.1	215	190-800	25	97.9	3.8	34																												
406-150-034	406	24.4	300	190-800	24.9	86.1	2.2	34																												
470-250-040A	470	21.3	250	190-850	27.88	75.86	2	40																												
470-250-040B	470	22.6	250	250-900	27.88	75.86	2	40	 470 l/mm Concave Grating <table><thead><tr><th>Wavelength (nm)</th><th>Beam Angle (deg)</th><th>Radius (mm)</th></tr></thead><tbody><tr><td>1.90E-07</td><td>12.3877</td><td>68.202</td></tr><tr><td>2.20E-07</td><td>14.5048</td><td>68.897</td></tr><tr><td>4.18E-07</td><td>16.7479</td><td>71.100</td></tr><tr><td>6.20E-07</td><td>21.6805</td><td>72.506</td></tr><tr><td>6.40E-07</td><td>25.3588</td><td>75.341</td></tr><tr><td>8.50E-07</td><td>31.6609</td><td>80.028</td></tr><tr><td>8.84E-07</td><td>32.0840</td><td>81.380</td></tr><tr><td>9.84E-07</td><td>33.0297</td><td>82.842</td></tr></tbody></table>	Wavelength (nm)	Beam Angle (deg)	Radius (mm)	1.90E-07	12.3877	68.202	2.20E-07	14.5048	68.897	4.18E-07	16.7479	71.100	6.20E-07	21.6805	72.506	6.40E-07	25.3588	75.341	8.50E-07	31.6609	80.028	8.84E-07	32.0840	81.380	9.84E-07	33.0297	82.842
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719-900-030	719	16	900	700-1100	25	100	3.5	30																												
954-300-030	954	12.2	300	340 - 800	38	55	2	30																												