



Quartz Scanning Lens Series

Fused silica lens for high power short pulse laser material processing, fused silica lens with minimal thermal focus shift, less damage when used for high power lasers, lens surface film will reduce reflectivity and absorption, in practice, a broader range.

355nm									
Model	Effective Focal Length (mm)	Scanning Format (mm)	Entrance Pupil (mm)	Scanning angle (°)	Threaded Interface	Flange Distance (mm)	Working Distance (mm)	M2- Bottom End of Thread	Focused Beam Diameter (um) Centre/ Edge
QSL-355-50-100	100	50*50	10	±20.7	M85*1	166.75	130.05	37	7.36-14.38
QSL-355-60-100	100	60*60	6	±25	M85*1	164.03	136.94	48.41	9-11
QSL-355-60-110	110	60*60	6	±23.8	M85*1	175.2	137.4	21.65	21-24
QSL-355-105-170-A	170	105*105	10	±25	M85*1	206.8	218.1	44	13.4-15.8
QSL-355-105-170-B	170	105*105	6	±27	M85*1	242.96	216.06	37.72	15-19
QSL-355-100-160	160	100*100	10	±27	M85*1	206.96	192.46	55.5	11-28
QSL-355-110-160-A	160	110*110	6	±25	M85*1	241.8	205.8	49.06	10-12
QSL-355-110-160-B	160	110*110	12	±28	M85*1	220.04	189	46	15-20
QSL-355-110-160-C	160	110*110	6	±25	M85*1	309.33	118.3	37.72	11-11
QSL-355-110-160-D	160	110*110	10	±27.8	M85*1	253.25	213.35	34.5	13.2-42.4
QSL-355-110-210	210	110*110	10	±28	M79+1	326.14	263.14	27	12.4-13.4
QSL-355-110-170	170	110*110	10	±27.53	M85*1	288.42	211.86	39.34	11-13.3
QSL-355-130-180	180	130*130	12	±28	M85*1	243.3	210.9	46	15-20
QSL-355-155-250	250	155*155	10	±24	M85*1	320.71	297.7	50.61	16-57
QSL-355-160-210	210	160*160	12	±28	M85*1	282.16	247.22	46	30-40
QSL-355-170-250	250	170*170	10	±25	M85*1	383.2	311.5	27	15-20
QSL-355-170-500	500	170*170	10	±28	M55*1	421.92	351.92	27	30-35



QSL-355-175-254-A	254	175*175	10	±25	M79*1	283.99	206.49	25	23-32
QSL-355-175-254-B	254	175*175	10	±28	M85*1	347	314.4	37.02	16.4-38.8
QSL-355-175-254-C	254	175*175	12	±25	M79/M85*1	351.92/345.92	304	32.53	20-30
QSL-355-175-254-D	254	175*175	12	±25	M79/M85*1	345.48/339.48	298.48	32.53	30-42
QSL-355-170-255	255	170*170	10	±25	M85*1	309.59	302.46	32.53	16-23
QSL-355-180-295	295	180*180	10	±25	M85*1	-	359	24.84	15-16
QSL-355-210-328	328	210*210	10	±26.4	M85*1	-	406.38	26.6	16.5-18.5
QSL-355-210-300	300	210*210	10	±28.4	M85*1	435	380	37.03	19.4-67
QSL-355-210-330	330	210*210	14	±24.7	M85*1	363.61	265.11	50	15-19
QSL-355-220-330	330	220*220	12	±28	M85*1	417.92	392.07	46	35-45
QSL-355-250-360-A	360	250*250	12	±28	M85*1	443.2	418.3	46	40-50
QSL-355-250-360-B	360	250*250	10	±28	M85*1	501.89	443.8	37	23.2-45.4
QSL-355-250-410	410	250*250	10	±23	M55»1	512	488.2	44.21	27-31
QSL-355-300-420-A	420	300*300	12	±28	M85*	506.4	483.1	46	45-55
QSL-355-300-420-B	420	300*300	10	±29	M85*1	601.22	523.56	35	27.06-30.84
QSL-355-330-511	511	330*330	14	±26	M85*	639.16	609.66	42	23-35
QSL-355-350-580	580	350*350	10	±24.5	M85*1	729.96	682.76	41	28-29
QSL-355-400-580	580	400*400	15	±28	M85*1	703.5	652.31	36.5	25-30
QSL-355-500-750	750	500*500	15	±25	M85*1	865.55	840.17	36.5	31-40
QSL-355-500-815	815	500*500	10	±25	M85*1	-	976.4	41.41	39.5-48.7
QSL-355-600-840	840	600*600	10	±28	M85*1	954.2	923.4	36.5	50-60
QSL-355-700-853	853	700*700	10	±32	M79*1	1000	949	26	55-66
QSL-355-800-1117	1117	800*800	18	±27.4	M80*1	1211.8	1143.8	15.67	41-46



405nm									
Model	Effective Focal Length (mm)	Scanning Format (mm)	Entrance Pupil (mm)	Scanning angle (°)	Threaded Interface	Flange Distance (mm)	Working Distance (mm)	M2- Bottom End of Thread	Focused Beam Diameter (um) Centre/ Edge
QSL-405-110-175	175	110*110	6	±26	M85*1	224.75	209.44	29.69	16-20

532nm									
Model	Effective Focal Length (mm)	Scanning Format (mm)	Entrance Pupil (mm)	Scanning angle (°)	Threaded Interface	Flange Distance (mm)	Working Distance (mm)	M2- Bottom End of Thread	Focused Beam Diameter (um) Centre/ Edge
QSL-532-65-120	120	65*65	12	±20	M85*1	185.36	155.6	55.36	10-15
QSL-532-90-160	160	90*90	14	±25	M85*1	258.11	209.61	47.63	12-12
QSL--532-100-160	160	100*100	10	±22	M85*1	237.51	198.21	32.65	15-21
QSL-532-110-170	170	110*110	10	±25	M85*1	246.2	216.7	55	20-25
QSL-532-135-200	200	135*135	20	±25	M85*1	316.64	230.85	34.32	10-12
QSL-532-155-250	250	155*155	20	±25	M85*1	334.64	286.46	40.01	12-17
QSL-532-170-254	254	170*170	10	±22	M85*1	334.41	302.61	32.65	23-38
QSL-532-165-260	260	155*155	14	±25	M95*1	410.64	338.19	33,55	18-26

1064nm									
Model	Effective Focal Length (mm)	Scanning Format (mm)	Entrance Pupil (mm)	Scanning angle (°)	Threaded Interface	Flange Distance (mm)	Working Distance (mm)	M2- Bottom End of Thread	Focused Beam Diameter (um) Centre/ Edge
QSL-1064-50-1000	100	50*50	10	±21	M55*1	167.41	124.9	18.5	34.3-40.4



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DATA SHEET

QSL-1064-50-210	210	50*50	10	±9.7	M39*1	291.25	261.25	27.01	40.52-40.61
QSL-1064-66-125	125	66*66	14	±20.83	M58*1	155.9	58.4	27.9	17-20
QSL-1064-70-1000	100	70*70	10	±25	M85*1	196.88	123.42	36.85	20-35
QSL-1064-94-163	163	94*94	20	±25	M85*1	305.1	204.7	19.3	20-26.4
QSL-1064-100-160	160	100+100	14	±26.6	Flange	299.33	207.83	12.2	21.8-28.1
QSL-1064-112-160	160	112*112	10	±20	M85*1	201.4	191	12.9	32-38
QSL-1064-140-350	350	140+140	7	±25	M39*1	381.72	357.72	18.31	90-108
QSL-1064-142-277	277	142*142	15	±21	M85*1	389.6	347.5	41.4	32-33
QSL-1064-150-305	305	150*150	10	±20	M79*1	446.51	384.31	27.81	58.44-59.61
QSL-1064-165-254	254	165*165	20	±26.3	M85*1	358.9	294.5	31.3	26-32
QSL-1064-170-255	255	170*170	20	±28	M85*1	413.44	319.44	28.32	20-28
QSL-1064-175-254	254	175*175	10	±25	M85*1	322.55	304.18	55.31	35-35
QSL-1064-180-254-A	254	180*180	10	±25	M85*1	345.2	295	45.85	25-32
QSL-1064-180-254-B	254	180*180	14	±28	M85*1	322.05	253.05	22.41	36-40
QSL-1064-200-500	500	200*200	7	±25	M39*1	534.27	514.27	20.07	130-146
QSL-1064-220-350	350	220*220	10	±25	M85*1	453.47	407.97	32.5	52-60
QSL-1064-205-330	330	205*205	10	±25.4	M79*1	466	362	26	62-67
QSL-1064-215-340	340	215*215	20	±25	M85*1	373.28	203.82	30.14	30-46
QSL-1064-250-735	735	250*250	7	±25	M39*1	774.15	752.16	20	190-200
QSL-1064-280-420	420	280*280	14	+27	M85*1	559.6	510.6	41	58-78
QSL-1064-320-450	450	320*320	14	±25	M85*1	549.36	515.93	51	45-60
QSL-1064-340-500	500	340*340	20	±27.5	M85*1	667.33	598.47	37	85-97
QSL-1064-425-875	875	425*425	20	±25	M85*1	1032.2	987.92	28.32	80-130
QSL-1064-450-670	670	450*450	15	±25	M85*1	784.46	753.46	35.6	80-90