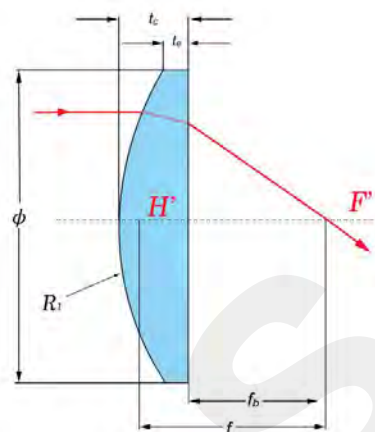


Plano Convex Lens

Specifications:

- **Material:** BK7 or other optical glass, Fused Silica, CaF2, ZnSe
- **Diameter Tolerance:** +0.0, -0.15mm
- **Thickness Tolerance:** +/-0.2mm
- **Paraxial Focal Length:** ±2%
- **Centration:** 3 arc minutes
- **Surface Quality:** 60-40 scratch and dig
- **Surface Figure:** $\lambda/4@632.8\text{nm}$
- **Clear Aperture:** >85%
- **Coating:** Customer specified



Part Number	Diameter (mm)	Focal Length (f mm)	Back Focal Length (fb mm)	R1 (mm)	Center Thickness (Tc mm)	Edge Thickness (Te mm)	Material
LEN0035-3R9-35ZF6	3.5	3.94		3	3.5		H-ZF6
LEN0040-005-19	4	5	3.78	2.58	1.9	0.95	
LEN0040-6R3-17	4	6.3	5.1	3.25	1.7	1.01	
LEN0040-010-17	4	10	8.8	5.17	1.7	1.3	
LEN0050-4R97-18-ZLaF50	5	4.97		4.02	1.87	1	H-ZLaF50B
LEN0050-008-15	5	8	7	4.13	1.5	0.66	
LEN0060-7R3-30	6	7.2		3.75	3		
LEN0060-008-20	6	7.9		4.125	2		
LEN0060-010-25	6	10	8.3	5.15	2.5	1.5	
LEN0060-012-23	6	12	10.4	6.18	2.3	1.5	
LEN0060-14R9-20	6	14.9		7.75	2	1.4	
LEN0060-015-21	6	15	13.6	7.73	2.1	1.5	
LEN0060-15R6-10ZF6	6	15.5		11.668	1		H-ZF6
LEN0060-16R2-19LaF10L	6	16.1		12.8	1.9		H-LaF10L
LEN0060-18R2-19ZF2	6	18.2		12.33	1.9		H-ZF2
LEN0060-030-18	6	30	28.8	15.45	1.8	1.5	
LEN0063-008-26	6.3	8	6.2	4.13	2.6	1.14	
LEN0063-010-26	6.3	10	8.3	5.17	2.6	1.53	
LEN0063-12R5-23	6.3	12.5	10.9	6.46	2.3	1.48	
LEN0063-016-21	6.3	16	14.6	8.26	2.1	1.48	
LEN0063-020-20	6.3	20	18.7	10.36	2	1.51	
LEN0063-025-19	6.3	25	23.7	12.91	1.9	1.51	
LEN0063-040-17	6.3	40	38.8	20.65	1.7	1.46	
LEN0063-063-17	6.3	63	61.8	32.5	1.7	1.55	
LEN0068-08R9-30ZF13	6.8	8.9		7.06	3		H-ZF13
LEN0070-07R3-34	7	7.2		3.75	3.4		
LEN0080-24R7-17	8	24.7		12.8	1.7		
LEN0080-090-20	8	90		48.68	2		
LEN0084-17R7-22	8.4	17.7		9.15	2.2		
LEN0090-012-34	9	12	9.7	6.18	3.4	1.5	
LEN0090-19R6-25ZK50	9	19.6		12	2.5		H-ZK50
LEN0090-020-25	9	20	18.3	10.3	2.5	1.5	
LEN0099-18R9-31	9.87	18.8		9.793	3.1		
LEN0100-12R5-39	10	12.5	9.9	6.46	3.9	1.53	



Plano Convex Lens

Part Number	Diameter (mm)	Focal Length (f mm)	Back Focal Length (fb mm)	R1 (mm)	Center Thickness (Tc mm)	Edge Thickness (Te mm)	Material
LEN0100-15R1-30BaK2	10	15.1	13.2	8.183	3	1.3	H-BaK2
LEN0100-016-32	10	16	13.8	8.26	3.2	1.52	
LEN0100-020-28	10	20	18.2	10.36	2.8	1.51	
LEN0100-025-25	10	25	23.3	12.91	2.5	1.49	
LEN0100-31R5-23	10	31.5	29.9	16.27	2.3	1.51	
LEN0100-040-21	10	40	38.6	20.65	2.1	1.49	
LEN0100-050-20	10	50	48.7	25.84	2	1.51	
LEN0100-60R1-30	10	60		31.041	3		
LEN0100-063-19	10	63	61.6	32.5	1.9	1.51	
LEN0100-100-17	10	100	98.8	51.64	1.7	1.46	
LEN0110-12R6-38	11	12.6		6.55	3.8		
LEN0110-15R5-32	11	15.5		8.017	3.2		
LEN0120-20R3-30	12	20.3	18.3	10.5	3	1.12	
LEN0120-23R9-28	12	23.9		12.42	2.8		
LEN0120-23R9-28	12	23.9		12.42	2.8		
LEN0124-017-50	12.4	17		8.743	5		
LEN0125-150-28	12.5	50			2.8		
LEN0127-015-51	12.7	15	11.6	7.73	5.1	1.8	
LEN0127-020-40	12.7	20	17.3	10.3	4	1.8	
LEN0127-020-42	12.7	20		10.37	4.2		
LEN0127-025-35	12.7	25	22.6	12.88	3.5	1.8	
LEN0127-030-32	12.7	30	27.8	15.45	3.2	1.8	
LEN0127-030-30	12.7	30	28	15.495	3	1.64	
LEN0127-030-34	12.7	30		15.55	3.4		
LEN0127-040-28	12.7	40	38.1	20.6	2.8	1.8	
LEN0127-040-29	12.7	40		20.67	2.9		
LEN0127-050-26	12.7	50	48.2	25.75	2.6	1.8	
LEN0127-100-22	12.7	100	98.5	51.51	2.2	1.8	
LEN0127-100-127	12.7	100		51.68	12.7		
LEN0140-30R3-50	14	30.3		15.668	5		
LEN0140-30R3-34	14	30.3		15.668	3.4		
LEN0140-057-50	14	57		29.316	5		
LEN0150-060-23	15	26.4	23.4	13.644	4.5	2.25	
LEN0150-060-23	15	60	58.5	31.02	2.3	1.38	
LEN0160-020-48	16	20	16.9	10.36	4.8	1.02	
LEN0160-025-40	16	25	22.3	12.91	4	1.22	
LEN0160-31R5-36	16	31.5	29.1	16.27	3.6	1.5	
LEN0160-040-31	16	40	37.9	20.65	3.1	1.49	



Plano Convex Lens

Part Number	Diameter (mm)	Focal Length (f mm)	Back Focal Length (fb mm)	R1 (mm)	Center Thickness (Tc mm)	Edge Thickness (Te mm)	Material
LEN0160-050-28	16	50	48.2	25.84	2.8	1.53	
LEN0160-063-25	16	63	61.2	32.5	2.5	1.5	
LEN0160-080-23	16	80	78.4	41.3	2.3	1.52	
LEN0160-100-21	16	100	98.6	51.64	2.1	1.48	
LEN0160-160-19	16	160	158.7	82.62	1.9	1.51	
LEN0170-030-34	17	30		15.28	3.4		
LEN0170-48R7-30	17	48.7	46.7	25.19	3	1.52	
LEN0180-020-71	18	20	15.3	10.3	7.1	1.8	
LEN0180-025-55	18	25	21.3	12.88	5.5	1.8	
LEN0180-030-47	18	30	26.9	15.45	4.7	1.8	
LEN0180-050-34	18	50	47.7	25.75	3.4	1.8	
LEN0190-36R6-46	18.98	36.5		18.978	4.567		
LEN0200-030-45	20	30	27	15.5	4.5	0.84	
LEN0200-050-42	20	50	47.2	25.84	4.2	2.19	
LEN0200-050-113	20	50		25.92	11.3		
LEN0250-25R4-112	25	25.4	18	13.11	11.16	2	
LEN0250-26R7-95	25	26.7	20.4	13.8	9.5	1.55	
LEN0250-31R5-79	25	31.5	26.3	16.27	7.86	2	
LEN0250-040-62	25	40	35.8	20.65	6.21	2	
LEN0250-050-56	25	49.9		25.985	5.51		
LEN0250-050-47	25	50	46.1	25.84	4.7	1.47	
LEN0250-063-40	25	63	59.4	32.5	4	1.5	
LEN0250-076-36	25	76	73.6	39.28	3.6	1.56	
LEN0250-080-39	25	80	77.3	41.3	3.94	2	
LEN0250-100-35	25	100	97.6	51.64	3.54	2	
LEN0250-125-32	25	125	122.8	64.55	3.22	2	
LEN0250-160-30	25	160	158	82.62	2.95	2	
LEN0250-200-28	25	200	198.1	103.28	2.76	2	
LEN0250-250-26	25	250	248.5	129.24	2.61	2	
LEN0250-315-20	25	315	313.6	162.79	2	1.5	
LEN0250-400-24	25	400	397.5	206.1	2.38	2	
LEN0250-500-23	25	500	498.4	258.18	2.3	2	
LEN0250-630-18	25	630	628.8	325.58	1.78	1.54	
LEN0250-800-17	25	800	798.8	413.44	1.7	1.5	
LEN0250-1000-22	25	1000	998.8	516.5	2.15	2	
LEN0254-99R3-40	25.4	99.2		51.5	4		
LEN0286-46R8-68B270	28.6	46.7		24.559	6.74		B270



Plano Convex Lens

Part Number	Diameter (mm)	Focal Length (f mm)	Back Focal Length (fb mm)	R1 (mm)	Center Thickness (Tc mm)	Edge Thickness (Te mm)	Material
LEN0300-035-99	30	35	28.5	18.088	9.9	1.92	
LEN0400-050-120	40	50	42.1	25.84	11.98	2.5	
LEN0400-060-77	40	60	54.9	41.3	7.67	2.5	
LEN0400-60-93	40	60	53.9	31.03	9.31	2	
LEN0400-063-94	40	63	56.7	32.5	9.36	2.5	
LEN0400-80-90	40	80	74.7	41.48	9	2.86	
LEN0400-100-65	40	100	95.7	51.64	6.53	2.5	
LEN0400-100-70	40	100	95.3	51.85	7	3.02	
LEN0400-125-57	40	125	121.2	64.55	5.68	2.5	
LEN0400-160-50	40	160	156.7	82.62	4.96	2.5	
LEN0400-200-45	40	200	197	103.28	4.45	2.5	
LEN0400-200-50	40	200	196.7	103.7	5	3.05	
LEN0400-250-41	40	250	247.6	129.24	4.06	2.5	
LEN0400-300-50	40	300	296.7	155.04	5	3.7	
LEN0400-400-50	40	400	396.7	206.72	5	4.03	
LEN0400-500-33	40	500	497.8	258.18	3.28	2.5	
LEN0450-100-61	45	100	96.4	51.9	6.1	0.97	
LEN0450-120-61	45	120	116	62.2	6.1	1.89	
LEN0500-063-147	50	63	53.2	32.5	14.73	3	
LEN0500-080-114	50	80	72.4	41.3	11.43	3	
LEN0500-75-110	50	75	68.3	38.76	11	1.86	
LEN0500-100-95	50	100	93.7	51.64	9.45	3	
LEN0500-100-100	50	100	93.4	51.68	10	3.55	
LEN0500-125-100	50	125	118.3	64.6	10	4.97	
LEN0500-150-90	50	150	144	77.52	9	4.48	
LEN0500-160-69	50	160	155.4	82.62	6.87	3	
LEN0500-175-90	50	175	169	90.44	9	5.48	
LEN0500-200-51	50	200	196.6	103.36	5.07	2	
LEN0500-250-54	50	250	246.7	129.24	5.44	3	
LEN0500-250-49	50	250	246.7	129.21	4.94	2.5	
LEN0500-500-42	50	500	497.2	258.18	4.21	3	
LEN0500-500-50	50	500	496.7	258.4	5	3.79	
LEN0630-100-137	63	100	90.9	51.64	13.72	3	
LEN0630-125-112	63	125	117.6	64.55	11.21	3	
LEN0630-160-92	63	160	153.9	82.62	9.24	3	
LEN0630-250-69	63	250	245.7	129.24	6.9	3	



Plano Convex Lens

Part Number	Diameter (mm)	Focal Length (f mm)	Back Focal Length (fb mm)	R1 (mm)	Center Thickness (Tc mm)	Edge Thickness (Te mm)	Material
LEN0630-500-49	63	500	496.3	258.18	4.93	3	
LEN0630-1000-40	63	1000	997.6	516.5	3.96	3	
LEN0750-75-326.8	75	75	53.4	38.76	32.68	3.66	
LEN0750-150-115	75	150	142.4	77.52	11.45	1.78	
LEN0750-200-87	75	200	194.2	103.36	8.74	1.7	
LEN0800-150-141	80	150	140.6	77.52	14.12	3	
LEN0800-300-83	80	300	294.5	155.04	8.25	3	
LEN0800-500-61	80	500	495.5	258.18	6.12	3	
LEN0800-1000-46	80	1000	996	516.82	4.6	3.05	
LEN0800-2000-38	80	2000	1997.5	1033.65	3.76	2.99	
LEN01000-160-209	100	160	146.2	82.62	20.85	4	
LEN01000-200-153	100	200	189.9	103.36	15.3	2.4	
LEN01000-250-141	100	250	241.3	129.24	14.05	4	
LEN01000-300-114	100	300	292.4	155.04	11.4	3.12	
LEN01000-400-107	100	400	392.9	206.72	10.7	4.56	
LEN01000-500-89	100	500	494.1	258.18	8.89	4	
LEN01000-500-89	100	500	494.1	258.4	8.9	4.02	
LEN01000-600-88	100	600	594.2	310.08	8.78	4.72	
LEN01250-200-246	125	200	183.8	103.36	24.55	3.51	
LEN01250-250-196	125	250	237	129.2	19.6	3.48	
LEN01250-300-174	125	300	288.5	155.04	17.4	4.24	
LEN01250-400-136	125	400	391	206.72	13.6	3.93	
LEN01250-500-129	125	500	491.5	258.4	12.9	5.23	
LEN01250-600-118	125	600	592.2	310.08	11.8	5.44	
LEN01250-700-108	125	700	692.9	361.76	10.75	5.31	
LEN01250-800-103	125	800	793.2	413.44	10.3	5.55	
LEN01500-300-233	150	300	284.6	155.04	23.3	3.95	
LEN01500-400-166	150	400	389	206.72	16.59	2.5	
LEN01500-500-154	150	500	489.8	258.4	15.4	4.28	
LEN01500-600-137	150	600	590	310.08	13.7	4.49	
LEN01500-700-126	150	700	691.7	361.76	12.57	4.71	
LEN01500-800-121	150	800	792	413.44	12.1	5.24	
LEN02000-400-292	200	400	380.7	206.72	29.2	3.4	
LEN02000-500-243	200	500	483.9	258.4	24.3	4.17	
LEN02000-600-215	200	600	585.8	310.08	21.5	4.93	
LEN02000-700-196	200	700	687	361.76	19.6	5.5	



Plano Convex Lens

Part Number	Diameter (mm)	Focal Length (f mm)	Back Focal Length (fb mm)	R1 (mm)	Center Thickness (Tc mm)	Edge Thickness (Te mm)	Material
LEN02000-800-181	200	800	788	413.44	18.1	5.92	
LEN02000-900-173	200	900	888.6	465.12	17.3	6.4	
LEN02000-1000-167	200	1000	989	516.8	16.7	6.93	
LEN02500-600-305	250	600	579.9	310.08	30.5	4.19	
LEN02500-700-266	250	700	682.5	361.76	26.6	4.32	
LEN02500-800-245	250	800	783.8	413.44	24.5	5.15	
LEN02500-900-237	250	900	884.3	465.12	23.7	6.59	
LEN02500-1000-225	250	1000	985.2	516.8	22.5	7.16	
LEN02500-1100-216	250	1100	1085.8	568.48	21.6	7.69	
LEN02500-1200-201	250	1200	1186.7	620.16	20.1	7.27	
LEN03000-800-346	300	800	777.2	413.44	34.6	6.43	
LEN03000-1000-296	300	1000	980.4	516.8	29.6	7.35	
LEN03000-1200-268	300	1200	1182.3	620.16	26.8	8.39	
LEN03000-1400-240	300	1400	1384.1	723.52	24	8.28	
LEN03000-1600-243	300	1600	1584	826.88	24.3	10.58	

