

High Light Optics UK Ltd
 Double Concave Lenses

Part No.	E.F.L mm	Diameter mm	C.T mm	E.T mm	R1 mm	R2 mm	Material
HL-046	-85.51	54	1.3	7.47	-107.07	-83.719	FEL1
HL-049	-75.21	47	1.1	7.3	-110.42	-66.03	LLF1
HL-052	-80.12	54	2.5	9.94	-107.15	-88.07	F5
HL-055	-71.48	54	2.5	10.9	-73.33	-102.16	F5
HL-058	-80.4	64	3	15.55	-125.43	-64.32	LLF6
HL-061	-69.84	40.74	3.1	8.25	-48.546	-254.26	LF5
HL-064	-76.78	64	1.93	12.78	-65.07	-141.56	LF579411
HL-067	-75.18	50	1.3	7.674	-97.303	-72.017	LLF1
HL-070	-77.77	54	3	20.66	-122.08	-76.93	F5
HL-075	-85.08	64	3.5	13.92	-281.00	-62.10	F8
HL-082	-80.45	64	3.86	14.47	-220.193	-59.41	LF4
HL-086	-87.28	65.45	3.5	13.92	-281.00	-62.10	F8
HL-097	-147.82	115	4.775	21.2	-218.338	-172.593	SF2
HL-180	-84.12	50	1.5	7.6	-77.553	-160.472	F2
HL-187	-73.15	59	4.1	14.16	-194.96	-59.58	F2
HL-192	-75.17	64	2.52	14.72	-216.029	-54.609	LF4
HL-215	-121.5	70	3	10.1	-101.472	-700.000	SF10
HL-219	-205.17	70	3	6.83	-382.086	-246.179	SF10
HL-222	-68.39	70	3	13.54	-60.847	-133.332	SF2
HL-235	-69.76	40.74	4.1	9.25	-48.546	-254.260	LF5
HL-241	-123.47	59.4	9.2	14.32	-122.590	-300.500	SF15
HL-247	-24.55	24	2	6.3	-43.192	-29.005	SF15
HL-365	-85.3	54	3	10.2	-107.857	-92.750	FL5
HL-368	-99.2	62	3.2	11.42	-168.864	-92.415	F4
HL-370	-96.21	63.5	1.78	8.02	0.00	-77.546	ZF7
HL-372	-72.96	58	4	13.72	-192.626	-59.600	F4
HL-388	-15.5	11.9	1	2.47	-36.140	-18.621	SF11
HL-397	-39.9	45	2.5	11.36	-46.500	-77.300	SF18
HL-400	-54.6	25.4	1	2.96	-47.550	-223.280	SF1
HL-404	-70.2	28	2.3	5.1	0.00	-36.2577	BK7
HL-421	-71	62	5	17	-875.5400	-45.100	F1
HL-473	-74.5	103	5.18	32.5	-186.770	-60.000	ZK7
HL-477	-132.7	110	4.5	21.82	-168.660	-177.010	ZF1

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HL-480	-69.17	63.5	6.35	16.5	-385.001	-53.259	ZF2
HL-547	10.95	36	1.5	9	0.00	-21.900	GREEN
HL-568	-107.5	63.5	2	10.2	-131.145	-118.920	LF4
HL-571	-135.6	10.5	0.92	1	0	-70.000	K9
HL-583	-149.8	65	3	10.74	0	-72.138	BOROSI
HL-584	-127.8	85	3	20.04	0	-61.529	BOROSI
HL-589	-28.16	55	4	21.16	-45.290	-29.400	SK16
HL-592	-81.24	47	4	8.36	0	-65.500	SE6
HL-638	38.7	34.8	7.52	9.5	0	-77.400	PYREX
HL-646	-76.36	50	2.55	9.27	-134.488	-73.602	F2
HL-659	-10.03	10.5	1.18	2.86	-20.890	-9.162	F7
HL-661	-100	60	2	11.6	0	-51.640	K9
HL-662	-150	60	2	8.05	0	-77.460	K9
HL-665	-220	75	2.25	8.5	-210.680	-210.680	BOROSI
HL-672	-15.74	19	7.91	9.9	-15.346	-90.360	ZF7
HL-704	-56.69	67	2.5	17.7	-76.95	-65.580	ZK9
HL-709	-236.9	95	3	9	0	-191.020	ZF7
HL-722	-100	50	3	7.87	-124.580	-124.580	F4
HL-730	-60	30	2.5	6	-62.390	-62.390	K9
HL-739	-500	150	3.5	14.4	-516.970	-516.970	K9
HL-740	-1000	150	3.5	8.9	-1033.350	-1033.350	K9
HL-763	-45.98	12	2	2.8	-132.430	-29.110	K10
HL-764	400	75	9.19	10	0	-800.000	PYREX
HL-765	-500	75	9.35	10	0	-1000.000	PYREX
HL-766	600	75	9.46	10	0	-1200.000	PYREX
HL-780	-47.76	10	1.5	2.01	0	-24.660	K9
HL-781	-134.6	10	1.5	1.68	0	-69.500	K9
HL-808	-27.33	18.3	2.15	4	0	-21.450	ZF13
HL-819	-34.73	34	1.4	7.5	-46.600	-40.500	F4
HL-824	-393.52	50.8	6	7.6	0	-203.200	K9
HL-825	-295.14	25.4	6	6.5	0	-152.400	K9
HL-835	-63.84	66	3.94	15.2	-117.148	-61.098	F4
HL-839	-93.113	36	1.8	4.78	-54.131	-290.2	QK3
HL-845	-27.772	19	1.52	3.3	-18.82	0	ZF2
HL-846	-12.903	27	4.1	9.31	-13.749	-50.086	ZF7L
HL-853	-27.99	24.5	3	7.4	-29.513	-44.413	F4
HL-902	-101.54	52	3	9.8	-61.75	-353.8	K9
HL-903	-71.05	52	3.3	11.5	-56.58	-153.45	QF11
HL-923	-88.2	50	4	9.55	-49.747	-576.8	K9

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HL-958	-30.65	37	3	12.93	-112.200	-24.580	ZF1
HL-1027	-150	95	3	17.8	-156.040	-156.040	K9
HL-1067	-23.9	37.5	3	9.6	-19.630	-146.550	ZF3
HL-1134	-456.41	138	3	11.2	-283.000	0.000	F4
HL-1170	-50.45	41	4	9.547	-37.047	0.000	ZF4
HL-1209	-463.4	90	4	6.9	-350.000	0.000	ZF6
HL-1218	-70.2	46	3.94	9.43	-117.148	70.200	F4
HL-1220	-80.57	64	3.86	14.1	-220.193	-61.75	QF14
HL-1235	-165	130	3.5	32.26	-151.850	-151.85	QUARTZ
HL-1238	-70.2	36	3.94	7.171	-117.148	-70.2	F4
HL-1244	-63.84	61.3	3.9	14.56	-117.201	-61.062	F4
HL-1272	-64.23	68	4.207	12.14	-139.500	-82.72	ZF7
HL-1303	-23.626	17.3	1.73	4.33	-37.153	-24.39	F3
HL-1306	-21.83	17.3	1.73	4.55	-31.257	-24.13	F3
HL-1335	-185	145	3.5	34.53	-170.190	-170.19	QUARTZ
HL-1339	-355.2	140	6	19.88	-356.500	-356.50	K2
HL-1344	-354.16	140	6.4	19.88	-366.848	-366.85	K9
HL-1441	-142.3	70	2.3	10.1	-149.210	-149.210	B270
HL-1443	-251	60	3.09	5.7	0	-168.850	ZF2