

High light Optics UK Ltd
Meniscus Lenses

Part No.	E.F.L mm	Diameter mm	C.T mm	E.T mm	R1 mm	R2 mm	Material
HL-001	611.12	95.25	6.43	2.61	105.23	-153.590	B270
HL-002	292.55	95.25	10.88	2.3	77.23	-148.336	B270
HL-003	292.55	88.9	10.07	2.3	77.23	-148.336	B270
HL-004	611.12	88.9	6.43	3.15	105.23	-153.590	B270
HL-005	642	91.95	7	3.67	107	-153.500	B270
HL-006	637.33	88.9	7	3.88	106.2	-152.330	B270
HL-007	633.56	88.9	7.06	3.91	104.14	-148.336	B270
HL-008	633.56	92	7.06	3.6	104.14	-148.336	B270
HL-009	205.75	74	9.45	2.75	85.91	-410.015	GREEN
HL-010	205.75	71.5	9.45	3.3	85.91	-410.015	GREEN
HL-011	274.78	91.95	10.6	2	72.75	-139.990	B270
HL-012	279.24	88	10.47	2.6	67	-117.150	B270
HL-013	292.55	91.95	10.44	2.57	77.23	-148.336	B270
HL-014	320.3	88.9	9.14	2.9	104	-266.000	B270
HL-015	553	95.25	7	2.8	106	-163.500	B270
HL-016	642.17	91.95	7	3.67	107	-153.500	B270
HL-017	281.5	89	10.1	2.5	77.248	-155.220	B270
HL-018	1020.3	77.4	5	3.6	120	-152.600	B270
HL-019	279.24	88.9	10.47	2.36	67	-117.150	B270
HL-020	642.17	91.95	7	3.67	107	-153.500	B270
HL-021	556.4	88.9	6	2.39	106	-163.500	B270
HL-022	331.48	88.9	8.82	2.8	106	-265.000	B270
HL-023	610	95.25	6.5	2.68	105.23	-153.590	B270
HL-024	355	88.9	9	2.5	77.23	-126.950	B270
HL-025	292.55	88.9	10.07	2.3	77.23	-148.336	B270
HL-026	292.55	88.9	10.07	2.3	77.23	-148.336	GREEN
HL-027	280.39	91.998	11.1	3.46	104.14	-346.140	B270
HL-028K	269.42	76	8.6	2.93	74.39	-153.590	K9
HL-028	269.42	76	8.6	3.02	74.9	-153.590	B270
HL-029	215	50	6	3.16	85.91	-355.300	GREEN
HL-030	526.7	91.95	7.27	3.17	104.14	-163.500	B270
HL-031	194.15	84	12	4.17	95	-449.000	SK4

Part No.	E.F.L mm	Diameter mm	C.T mm	E.T mm	R1 mm	R2 mm	Material
HL-032	164.88	60	6.59	2	73.522	-249.780	SK15
HL-033	98.73	70	13.04	2	59.085	-1373.200	SK15
HL-035	280.5	88.9	9.81	2.7	104.14	-347.220	B270
HL-036	175.1	75	10.5	2.3	81.4	-700.000	B270
HL-037	185.06	88.9	15	2.83	77.23	-542.000	BOROSI
HL-038	269.37	76	9	2.98	57.8	-91.900	B270
HL-039	292.55	88.4	10.07	2.3	77.23	-148.336	B270
HL-040	355	91.95	9	2.5	77.23	-126.950	B270
HL-041	1719.8	85.2	6.1	5	311	-472.000	B270
HL-043	172.2	50	6.1	2.5	67.678	-263.742	B270
HL-044	95	50	9.72	2.38	38.365	-163.814	B270
HL-045	190	54	7.35	4.16	67.55	-150.770	BACD15
HL-048	232.36	51	6.8	4.26	66.279	-128.000	BaK4
HL-051	181.83	53.9	10.52	7.09	74.91	-211.240	F2
HL-054	162.79	53.9	10.14	6.14	56.69	-120.470	F2
HL-059	226.64	64	8.19	3	51.16	-85.060	B270
HL-060	130.38	40.74	12.6	9.11	42.88	-103.870	B270
HL-063	186.94	64	13.22	7.6	54.02	-91.290	SK15
HL-066	187.15	53	10.4	9.04	68.4	-180.784	BaK4
HL-069	215.82	54	11	8.09	75.37	-162.920	F2
HL-076	171.14	64	8.7	3.94	54	-95.466	BaF10
HL-081	185.15	64	10.97	4.27	50.894	-99.339	B270
HL-087	171.14	65.45	8.7	3.13	54	-95.466	BaF10
HL-099	601.35	89.4X894	8	2.7	105	-153.500	B270
HL-147	109.25	70	13.2	3.52	66.968	-3076.100	SK15
HL-148	109.73	70	13.16	3.5	66.988	-3076.100	SK15
HL-181	183.5	58	9.31	6.02	61.189	-106.720	LaK10
HL-182	68.504	37.5	6	3.68	41.894	-649.860	LaKN22
HL-186	120.68	64	10.95	2.8	59	-391.610	BaK4
HL-190	153.08	71.5	11.45	2	52.53	-141.330	B270
HL-191	173.43	64	10.4	2.84	48.179	-80.913	SK4
HL-195	-201.32	70	3	7.97	320	-92.300	ZF1
HL-196	-165.23	76.2	5.87	14.77	121.55	-55.830	SF2
HL-199	-180.98	70	3	8.04	231.14	-83.310	SF10
HL-200	530.24	70	6	3.18	47.24	-54.610	BK7
HL-201	119.89	70	12.7	3.08	54.61	-201.000	BaF4
HL-216	-69.46	70	3	9.28	93.16	-32.340	SF10
HL-217	122.35	70	15.04	6.39	67.088	-511.480	SK15

Part No.	E.F.L mm	Diameter mm	C.T mm	E.T mm	R1 mm	R2 mm	Material
HL-218	-237.44	60	3	5.68	53.368	-37.694	LF5
HL-220	182.74	70	7.56	2	99.621	-773.959	SK15
HL-221	95.01	70	13.56	2	57.101	-1468.250	SK15
HL-225	-76.92	70	4	9.66	97.205	-34.923	SF10
HL-227	-76.28	70	4	14.84	496.835	-49.795	SF10
HL-228	-76.32	70	4	10.25	97.205	-34.928	SF10
HL-230	-76.72	70	4	12.8	496.835	-49.795	SF10
HL-243	-74.4	31.2	2.3	4.6	5350	-53.630	SF10
HL-244	-48.045	26	1.7	4.8	86.87	-22.822	EDF
HL-251	-231.04	40	3	4.61	42.91	-33.780	SF6
HL-255	41.67	20	5	2.51	18.37	-106.000	B270
HL-260	54.06	33	8	1	20	-80.000	DURAN
HL-262	362	120	12.96	3	148.42	-666.240	B270
HL-266	245.9	120	17.9	3	125.949	-5833.200	B270
HL-267	269.3	120	16.54	3	131.291	-1851.120	B270
HL-268	787.28	150	9.97	3	281.247	-876.551	B270
HL-270	256.97	120	17.249	3	127.005	-2202.050	B270
HL-271	495.2	150	15.836	3	117.702	-205.788	B270
HL-337	91.33	40	7.8	3.1	32.69	-95.090	B270
HL-357	5059.7	170	20.54	15.4	138.17	-138.500	BK7
HL-358	593.08	94	20.18	16.3	143.755	-257.980	BK7
HL-366	195.12	53.9	10	6.2	72.6	-145.810	BaFD7
HL-373	120.45	64	11	2.86	58.94	-392.420	BaK7
HL-375	-170	41	2	3.74	283.6	-85.950	ZF4
HL-377	-91.1	41	2	5.43	153.85	-46.100	ZF4
HL-379	400	35	2	2.59	574.75	-178.450	ZF1
HL-387	67.4	20.39	2.4	0.81	25.03	-89.130	BK1
HL-393	64.15	38	6	0.96	33.8	-255.000	ZK6
HL-395	-90.1	44	3	7.85	68.95	-32.850	SF18
HL-398	92.2	43	6.2	1.55	46.5	-371.500	BaK8
HL-423	-147	71	5	14	119.61	-50.900	F4
HL-424	-289.8	71	8	11.61	591.9	-137.130	K9
HL-425	64.15	38	6.8	1.76	33.8	-225.000	ZK6
HL-434	172.2	50	6.16	2.7	68.86	-258.940	K9
HL-435	95	50	10.06	2.7	38.75	-183.210	K9
HL-476	-320.56	101.6	6.35	7.95	91.399	-57.490	K9
HL-485	221.72	112	18.45	3.21	95.128	-525.410	K9
HL-496	47.5	161	6	5	101	-95.000	BOROSI

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HL-516	95.44	35	4.25	1	43.33	-346.670	K9
HL-564	317	89.9	9.4	2.86	104	-276.400	K9
HL-565	317	88.9	9.4	3	104	-276.400	K9
HL-580	37.5	125	3	3.8	84	-75.000	PYREX
HL-586	-254.3	95	5	10.99	275	-116.500	SF6
HL-587	280.71	93	8.9	1.78	103.5	-247.000	SK16
HL-588	79.8	55	8.6	1.84	45.29	-140.000	SF6
HL-590	109.88	47	10	5.72	57.68	-350.000	SK16
HL-614	100	34	3.9	1.6	39	-153.500	K9
HL-623	-549.01	46	3	3.38	201.5	-136.390	SF11
HL-625	-384.46	42	3	3.44	176.72	-110.610	SF11
HL-629	68.57	30	6	2.3	22.08	-53.230	K9
HL-635	-132.6	50	3	8.3	101.633	-40.5	F2
HL-639	137.67	72	13.35	1.5	50	-190.000	PYREX
HL-644	-7832.55	41	1.6	1.68	69.132	-67.532	GREEN
HL-649	-383.37	30	2.5	2.1	160.3	-103.860	SF11
HL-658	16.72	13	4.13	2.3	10.94	-68.550	ZF6
HL-673	47.744	21.5	4.04	2.32	20.23	-42.760	LaK3
HL-675	63.803	24	4	1.91	18.836	-33.500	ZK5
HL-676	47.36	19	7.83	6.25	23.5	-107.650	ZK7
HL-677	-64.16	17	3.32	4.14	58.61	-25.880	ZF6
HL-678	28.489	17	3.29	1.07	16.982	-567.500	ZK7
HL-679	-40.71	14.5	1.86	1.6	11.324	-7.691	ZF6
HL-684	684.29	110	9	4.58	161.17	-290.700	K9
HL-699	163.78	50	7	2.4	43.017	-90.420	PYREX
HL-701	-138.6	57	3	7.59	84.18	-47.250	ZF7
HL-702	-678.4	57	6	6.68	44.18	-38.400	ZF7
HL-706	-114.5	67	2.5	10.3	98.16	-40.810	ZK9
HL-711	-130.6	60	5.9	12.08	126.47	-50.870	ZF2
HL-713	-387.8	100	4	9.3	487.51	-159.295	F2
HL-716	-135.3	76	2.8	11.9	829	-76.094	F4
HL-723	228.31	69	10	4.53	66.64	-145.450	K9
HL-724	-1090.22	69	10	11.1	50.28	-43.031	K9
HL-725	448.02	69	12	9.4	133	-303.252	K9
HL-745	-45.81	25.4	1.4	4.4	316.23	-26.039	F4
HL-747	-88.44	25.4	2.2	3.7	640.1	-50.481	F4
HL-748	-30.81	10.6	1.5	2.34	21.23	-10.000	ZF1
HL-750	-49.46	18.5	1.5	3	40.74	-17.673	ZF1

Part No.	E.F.L mm	Diameter mm	C.T mm	E.T mm	R1 mm	R2 mm	Material
HL-752	-52.62	12.5	1.5	2.1	64.576	-22.650	ZF2
HL-791	-38.95	11	2	2.6	39.54	-15.438	ZF3
HL-799	-36.08	10	1	1.6	45.5	-14.870	F5
HL-809	106.85	27	3.68	2	50	-520	K9
HL-817	-26.126	25	2.5	7.64	131.65	-16.490	ZF4
HL-820	84.92	44	7.45	2.1	44.804	-581.34	BaK4
HL-837	-89.92	40	3	4.96	50.716	-26.011	ZK9
HL-838	-98.973	36	2	4.37	98.301	-32.219	QK3
HL-842	43.886	24	5.3	1.43	17.966	-99.527	QK3
HL-843	-51.048	24	1.9	4.46	36.333	-17.966	ZBAF21
HL-858	-141.29	45	3	6.3	98.03	-45.72	F4
HL-859	295	88	10.79	3.8	79.32	-157.829	K9
HL-866	67.97	30	5.1	2.3	33.521	-154.303	F4
HL-869	-85.09	40	3.86	7.2	56.034	-24.246	K9
HL-871	-91.07	38.2	2.8	5.7	83.73	-38.509	ZF7
HL-873	-706.4	43.5	2.5	2.9	430.79	-244.5	ZF7
HL-875	-76.8	43.5	3.5	8.4	73.32	-32.84	ZF7
HL-881	62.43	31	7	1.57	17.62	-33.42	K9
HL-886	328.64	40	4	2.79	46.13	-61.38	K9
HL-889	146.27	60	9.5	2.02	46.13	-126.47	PYREX
HL-896	120	50	9	3.4	43.558	-136.32	K9
HL-911	-1806.82	110.02	8.5	11	103.5	-91.7	F2
HL-912	1410.11	110.02	16.029	14.4	186.4	-229.9	F2
HL-915	148.23	40	5	2.99	53.7	-174.23	K9
HL-918	-109.56	60	5	14.4	67.619	-35.575	ZF4
HL-925	-109.56	53	5	11.43	67.619	-35.575	ZF4
HL-932	330.13	63.5	8.86	11.2	569.6	-156.41	ZF1
HL-952	182.39	82	10.3	2.5	71.821	-170.310	LAK10
HL-953	82.01	41	5.62	2.1	34.974	-68.293	ZF7
HL-954	100.78	52	10.35	2.4	40.098	-196.680	QK3
HL-965	122.06	47	4.4	1.56	82.343	-473.150	ZF7
HL-966	162.39	34	3.4	1.55	64.94	-349.740	QK3
HL-994	-236.69	72	3.8	8.45	471.657	-110.610	F2
HL-996	-192.12	66	2.9	7.33	328.482	-92.415	ZF2
HL-997	100	90	5	2.5	137	-200.000	K9
HL-1013	-32.58	12.5	1.5	2.67	10	-19.500	ZF2
HL-1019	450	135	15.1	3.4	103.3	-176.720	K9
HL-1026	150	50	7	2.4	43.25	-92.800	K9
HL-1037	-105.12	60	4	14.85	74.402	-34.800	ZF1

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HL-1065	137.1	42	8	5.5	53.08	-117.830	ZBaF5
HL-1068	-132.3	37.5	10	9.75	44	-27.560	ZF6
HL-1086	738	220	20.58	4	250.5	-693.420	B270
HL-1091	-179.6	75	2.5	9.41	320.85	-81.724	F2
HL-1097	175.39	25	4	3.4	98.455	-339.680	ZF13
HL-1135	289.96	138	21	3.5	123	-649.000	K9
HL-1144	188.83	64.5	11.07	4.5	50.894	-97.163	B270
HL-1175	324	88.9	9.1	3	104.74	-265.000	B270
HL-1178	222.45	127	31.75	11.6	96.002	-518.686	B270
HL-1211	-126.28	60	4.2	9.6	150	-57.600	ZF6
HL-1241	506.5	38.1	2.688	2	88.16	-130.750	B270
HL-1249	316.78	76.4	8.25	3.5	79.756	-148.336	B270
HL-1270	194.7	84	8	1	65.65	-106.700	ZF7
HL-1271	445.79	68	2.85	1	139.5	-246.500	LaK7
HL-1274	-140	51	3	8	58.17	-35.215	ZF2
HL-1293	90.9	27.5	4.55	2.5	34.1	-115.033	B270
HL-1295	-81.49	27.5	2.43	4.1	107.83	-38.800	ZF6
HL-1300	38.45	15	2.9	1.27	11.43	-24.610	K9
HL-1301	50.77	20	4	1.98	22.88	-169.140	K9
HL-1313	-179.6	68	2.5	8.1	320.85	-81.724	F2
HL-1317	-144.33	34	4.04	5.23	356.79	-71.270	ZK9
HL-1318	-76.91	20	3.71	4.59	173.78	-35.368	ZK2
HL-1340	-140	57	3	10	58.17	-35.215	ZF2
HL-1364	107.997	40	7	3.1	35.227	-87.222	B270
HL-1385	95.4	60	13.49	2.8	43.706	-314.728	B270
HL-1399	-343.8	90	4.6	8.8	464.72	-159.290	ZF2
HL-1416	110.43	50	8.44	2.6	47.928	-264.690	B270
HL-1419	-511.9	100	4	7.71	653.81	-225.000	ZF2
HL-1421	-256.2	100	4	11.8	367.4156	-116.800	ZF2
HL-1423	-763.7	100	4	6.5	1325.4	-369.770	ZF2
HL-1446	-358.7	82.94	4.9	8.89	891.55	-176.000	F2
HL-1471	-166.2	45	3.7	6.84	199.05	-59.580	ZF2
HL-1484	172.27	95.3	21.342	2	52.622	-108.889	B270
HL-1485	195.18	80	10.4	2	82.327	-406.978	B270
HL-1489	-42.1	25	2.5	6.2	50.87	-17.410	ZF1