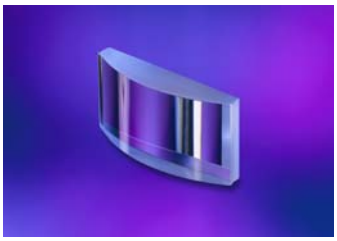
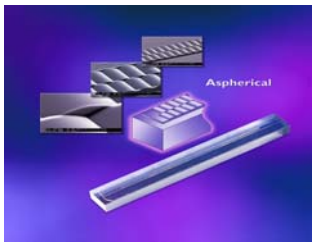
海纳光学有限公司
HIGHLIGHT OPTICS CO., LTD.

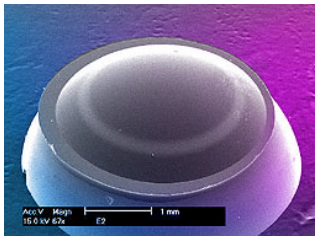
Aspheric Lenses

Customized:

Collimators, objectives, circulizers,
beam shapers
Single and arrays
Integrated filters and coatings
Free form, e.g. cylindrical, anamorphic







Features:

Customized aspheric surfaces
Elimination of astigmatism
High NA up to 0.95
Diffraction limited quality, also at high NA
Wave Front Aberration < 40 mλ
Tight back focal length control < 5 micron
Low transmission loss < 2%
Application in broad wavelength range
Deep UV resistant
Stable in broad temperature range –40 to +150 °C
Robust to reflow soldering

Phone:0755-84870203,sales@highlightoptics.com
www.highlightoptics.com

海纳光学有限公司
HIGHLIGHT OPTICS CO., LTD.

Lens Type	f (mm)	SD (mm)	NA (mm)	CA (mm)	D (mm)	CT (mm)	ET (mm)	Weight (g)	FR (mm)	RMS (waves)
AC409	40.00	38.20	0.11	9.0	10.00	3.00	2.40	0.65	0.80	0.020
AC407	27.00	25.50	0.11	6.0	8.00	2.50	2.10	0.34	0.70	0.020
AC405	23.00	22.00	0.13	6.0	8.00	2.50	1.87	0.30	0.50	0.030
AC400	22.00	20.80	0.11	4.8	6.00	2.00	1.63	0.20	0.50	0.020
AC403	19.00	18.00	0.16	6.0	8.00	2.50	1.74	0.30	0.40	0.030
AC044	19.00	17.00	0.11	4.2	5.20	3.00	2.68	0.20	0.40	0.025
AC068	15.00	13.50	0.20	6.0	8.00	2.50	1.60	0.40	0.25	0.030
AC072	14.80	13.30	0.22	6.4	8.00	2.50	1.60	0.40	0.30	0.004
AC069	14.80	13.40	0.18	5.4	6.50	2.50	1.92	0.30	0.25	0.030
AC210	11.00	9.60	0.20	4.4	6.00	2.35	1.64	0.21	0.20	0.030
AC212	10.90	9.70	0.30	6.6	7.20	2.20	1.40	0.30	0.10	0.050
AC302	10.00	8.60	0.19	3.8	4.50	2.35	1.92	0.12	0.20	0.030
AC414	10.00	7.60	0.44	8.7	10.00	4.10	2.00	0.90	0.10	0.040
AC050	9.00	7.60	0.25	4.6	6.50	2.33	1.39	0.26	0.18	0.030
AC052	9.00	7.60	0.30	5.4	6.50	2.33	1.39	0.26	0.15	0.030
AC325	7.90	6.50	0.30	4.8	6.50	2.50	1.43	0.27	0.20	0.030
AC320	7.50	6.10	0.30	4.5	6.50	2.50	1.35	0.27	0.18	0.030
AC322	7.50	6.10	0.19	2.8	4.00	2.50	2.10	0.12	0.30	0.030
AC355	6.25	4.80	0.35	4.4	6.50	2.50	1.04	0.26	0.15	0.030
AC416	6.20	1.60	0.85	10.5	11.60	8.90	-	2.30	0.03	0.010
AC260	4.60	2.90	0.53	4.9	6.00	3.10	1.50	0.30	0.06	0.060
AC256	4.40	2.20	0.50	4.4	5.50	3.70	2.41	0.25	0.09	0.030
AC267	4.40	2.20	0.50	4.4	5.50	3.87	2.58	0.26	0.10	0.030
AC330	3.30	2.30	0.45	3.0	5.20	2.00	-	0.09	0.07	0.030
AC331	3.30	2.30	0.45	3.0	4.00	2.00	1.10	0.07	0.07	0.030
AC296	3.00	1.60	0.47	2.8	4.00	2.51	1.48	0.12	0.08	0.040
AC297	3.00	1.60	0.55	3.3	4.00	2.51	1.48	0.12	0.06	0.055
AC550 *	1.80	1.10	0.33	1.2	2.40	1.10	-	0.01	0.10	0.030
AC531	0.78	0.15	0.85	1.3	1.63	1.26	-	0.70	0.02	0.065
Objectives										
AO540**	3.30	2.10	0.45	3.0	3.70	2.20	1.30	0.07	0.06	0.050
AO510*	3.00	1.60	0.20	1.4	2.80	2.20	1.50	0.04	0.20	0.030
AO533*	2.43	1.30	0.30	1.6	2.30	3.90	1.60	0.04	0.09	0.050
AO534*	4.00	3.10	0.20	1.7	2.30	1.50	1.20	0.02	0.25	0.050

D:diameter **FL**: focal length **SD**: source distance **NA**: nummerical aperture **CA**: clear aperture **CT**: edge thickness
FR: field radius **RMS**: axial wave front quality * means designed for 1530nm ** means designed for 405nm

Phone:0755-84870203,sales@highlightoptics.com
www.highlightoptics.com