

Precision glass aspheres



The high-precision glass aspheric lenses are designed for collimating laser diodes. These lenses are particularly well suited to applications across a wide temperature range or in harsh environments.

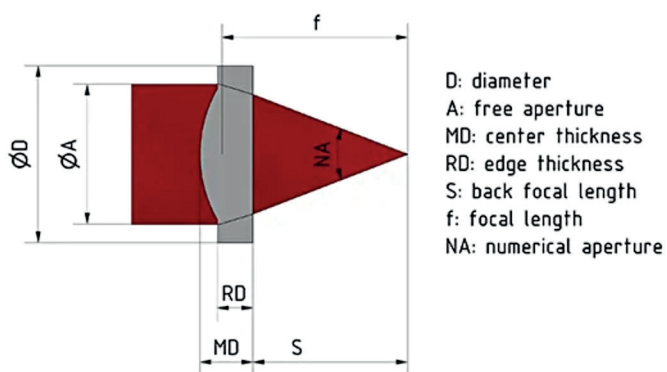
FEATURES

- High working temperature range
- Wide-band AR coating
- Custom lenses on request
- High output density possible
- Suitable for applications over 350 nm

APPLICATIONS

- Laser diode modules and collimators
- Sensors
- Applications in the fields of industry and life science

TECHNICAL DATA



Individual. Innovative. Exceptional.

Precision glass aspheres

TECHNICAL DATA

LENS TYPE	f (mm)	NA	S (mm)	A (mm)	D (mm)	MD (mm)	RD (mm)	Weight (g)	FR (mm)	Design wavelength (nm)	Wave front deformation Lambda RMS
A123	5.4	0.38	3.76	4.18	5	2.5	1.67	0.118	0.1	790	0.04
A135	12.5	0.3	10.8	7.6	9	3		0.54		780	0.04
A136	15	0.3	13.3	9.1	10.5	3	1.9	0.71	0.1	780	0.04
A41	10	0.33	8.5	6.68	8	2.15	1.21	0.26	0.2	780	0.04
A61	3	0.55	1.2	3.4	4.4	1.95	0.98	0.06	0.07	780	0.04
A63	8	0.3	5.52	4.98	6.37	4	3.23	0.33	0.1	780	0.04
AC044	18.9	0.11	17.1	4.4	5.2	3	2.68	0.2	0.6	785	0.025
AC050	8.9	0.26	7.593	4.6	6.5	2.33	1.39	0.26	0.15	670	0.025
AC052	8.9	0.3	7.59	5.4	6.5	2.33	1.39	0.26	0.15	670	0.03
AC068	14.9	0.21	13.41	6.2	8	2.5	1.6	0.4	0.3	650	0.03
AC069	14.8	0.18	13.4	5.4	6.5	2.5	1.9	0.26	0.35	635	0.04
AC072	14.8	0.22	13.343	6.4	8	2.5	1.6	0.4	0.28	635	0.04
AC210	11	0.2	9.618	4.4	6	2.35	1.64	0.21	0.15	780	0.02
AC212	10.9	0.3	9.714	6.6	7.2	2.2	1.36	0.3	0.1	670	0.02
AC256	4.34	0.51	2.334	4.4	5.5	3.7	2.41	0.24	0.09	650	0.05
AC260	4.6	0.53	2.879	4.9	6	3.08	1.48	0.27	0.06	655	0.06
AC296	2.99	0.47	1.647	2.8	4	2.51	1.48	0.12	0.08	670	0.04
AC297	2.99	0.55	1.647	3.3	4	2.51	1.48	0.12	0.06	670	0.055
AC302	9.9	0.19	8.55	3.8	4.5	2.35	1.92	0.13	0.25	650	0.025
AC320	7.6	0.3	6.145	4.5	6.5	2.5	1.35	0.27	0.17	650	0.04
AC322	7.5	0.19	6.08	2.8	3.98	2.5	2.1	0.12	0.3	670	0.035
AC323	6	0.15	4.585	1.8	3	2.5	2.2	0.05	0.28	650	0.04
AC325	7.9	0.3	6.492	4.8	6.5	2.5	1.43	0.27	0.16	650	0.04
AC331	3.3	0.45	2.25	3	3.98	2	1.12	0.07	0.05	670	0.045

Individual. Innovative. Exceptional.

IMM Photonics GmbH | Ohmstraße 4 | 85716 Unterschleißheim | Germany | imm-photonics.de

Precision glass aspheres

TECHNICAL DATA

LENS TYPE	f (mm)	NA	S (mm)	A (mm)	D (mm)	MD (mm)	RD (mm)	Weight (g)	FR (mm)	Design wavelength (nm)	Wave front deformation Lambda RMS
AC332	3.3	0.43	2.467	3	3.98	2	1.125	0.07	0.75	650	0.04
AC333	3.3	0.45	2.25	3	4	2	1.11	0.07	0.07	670	0.045
AC355	6.25	0.35	4.83	4.4	6.5	2.5	1.04	0.25	0.14	670	0.04
AC400	22	0.11	20.809	4.8	6	2	1.63	0.16	0.7	650	0.02
AC403	19	0.16	17.49	6	8	2.5	1.74	0.3	0.4	655	0.03
AC404	20.6	0.17	18.815	7	8	3	2.3	0.4	0.37	650	0.04
AC405	23	0.13	21.448	6	8	2.5	1.87	0.3	0.5	655	0.03
AC407	27	0.11	25.488	6	8	2.5	1.97	0.35	0.7	635	0.04
AC409	40	0.11	38.168	9	10	3	2.4	0.7	0.85	650	0.04
AC414	10	0.44	7.552	8.7	10	4.2	2.1	1	0.12	635	0.04
AC415	14.8	0.32	11.79	9.5	12	5.25	3.3	1.4	0.22	635	0.04
AC438	27	0.11	25.488	6	10	2.5	1.67	0.5	0.7	635	0.04
AH10	4.5	0.5	2.16	4.5	6.38	2.8	1.69	0.21	0.08	830	0.04
AH11	6.25	0.4	4.57	5.08	6.38	2.5	1.64	0.198	0.1	780	0.04
AH4	4.2	0.5	2	4.2	6.38	2.56	1.36	0.18	0.08	780	0.04
IML136	15	0.3	13.24	9.1	10.5	3	1.76			780	0.05
IML63	8	0.32	5.51	5.1	6.37	4	3.28			780	0.05
IML67	9.4	0.19	8.07	3.6	4.5	2.15	1.83			715	0.05

Subject to technical modifications. As per October 2024.

Individual. Innovative. Exceptional.

IMM Photonics GmbH | Ohmstraße 4 | 85716 Unterschleißheim | Germany | imm-photonics.de

**WE LOOK
FORWARD**
to solving your
challenge

