

Precise Glass Aspheric Lens for LASER, IMAGING

- Grinding and polishing manufacturing.
- Modeling manufacturing.
- Please contact us directly for customized lenses or sampling.

Part no	Diameter (mm)	Focal Length (f mm)	NA	Center thickness (Tc mm)	working distance (mm)	CA (mm)	Coating
LENA019-R91-23	1.97	0.91		2.31		1.77	
LENA025-R91-09	2.5	0.91	0.45	0.88	0.45	0.84	1550
LENA025-1R4-07	2.5	1.4	0.52	0.74	1.06	1.44	518
LENA028-05-19	2.8	5	0.2	1.95	4.77	2.6	AR@400-700
LENA030-02-20	3	2	0.5	2	1.09	2	780
LENA030-03-20	3	3	0.3	2	3.27	2.65	AR@400-700
LENA030-3R7-15	3	3.77	0.33	1.5	2.99	2.5	635
LENA030-3R7-20	3	3.77		2			
LENA030-3R8-15	3	3.8	0.3	1.5	2.8	2.5	AR@400-700
LENA030-4R5-18	3	4.5	0.3	1.79	3.46	2.7	633
LENA030-05-15	3	5	0.25	1.53	4.03	2.6	915
LENA030-06-15	3	6	0.22	1.5	5.2	0.27	635
LENA030-06-15	3	6	0.22	1.5	5.2	2.4	AR@400-700
LENA030-06-15	3	6		1.5			633
LENA030-6R2-35	3	6.2		3.5			633
LENA036-6R2-35	3.6	6.2		3.5			
LENA038-1R2-13	3.75	1.18	0.4/0.16	1.3	1.1/3.77	1.3	1550
LENA040-04-20	4	4	0.4/0.16	2	2.92	3.2	405
LENA040-7R2-22	4	7.2	0.21	2.2	5.81	3.5	AR@635nm
LENA040-7R2-22	4	7.2		2.2			635
LENA045-2R8-22	4.5	2.75	0.64	2.24	1.5	3.6	830
LENA045-08-20	4.5	8	0.22	2	6.73	3.5	915
LENA047-6R2-35	4.7	6.2	0.25	3.5	3.96	4.1	AR@400-700
LENA047-08-29	4.7	8	0.25	2.9	5.86	4.2	AR@400-700
LENA047-08-29	4.7	8		2.9			530
LENA047-6R2-35	4.7	6.2		3.5			633
LENA050-6R2-35	5	6.2	0.27	3.5	3.96	4.2	AR@400-700
LENA050-10-20	5	10	0.28	2	8.43	5	AR@400-700
LENA050-04-30	5	4.05		3			445
LENA055-8R8-24	5.5	8.8	0.25	2.4	7.3	4.6	635
LENA056-04-28	5.6	4	0.55	2.8	2.76	5.6	AR@400-700
LENA060-3R4-25	6	3.35	0.72	2.5	1.96	5	830
LENA060-04-28	6	4	0.55	2.8	2.76	5.6	AR@400-700
LENA060-4R5-28	6	4.5	0.48	2.8	2.72	5.2	AR@400-700
LENA060-08-23	6	8	0.26	2.3	6.55	5.8	AR@400-700
LENA060-08-20	6	8		2			530
LENA060-10-23	6	10	0.28	2.25	8.43	5.2	AR@400-700
LENA060-10-20	6	10		2			635
LENA060-10-20	6	10		2			520
LENA060-12-20	6	12	0.18	2	10.74	5.6	AR@400-700



Precise Glass Aspheric Lens for LASER, IMAGING

- Grinding and polishing manufacturing.
- Modeling manufacturing.
- Please contact us directly for customized lenses or sampling.

Part no	Diameter (mm)	Focal Length (f mm)	NA	Center thickness (Tc mm)	working distance (mm)	CA (mm)	Coating
LENA060-12-25	6	12		2.5			532
LENA060-12-20	6	12		2			530
LENA060-15-21	6	15	0.15	2.1	13.64	5.6	AR@400-700
LENA060-15-21	6	15		2.1			
LENA062-7R5-25	6.17	7.5		2.45			
LENA063-04-31	6.33	4.05	0.63	3.1	2.8	5.2	445
LENA063-04-30	6.33	4.05		3			445
LENA064-08-20	6.35	8		2			635
LENA064-10-23	6.35	10	0.28	2.25	8.43	5.6	AR@400-700
LENA064-10-30	6.35	10	0.27	3	8.26	5.4	786.5
LENA065-8R9-24	6.5	8.9	0.3	2.36	7.55	5.3	635
LENA065-12-24	6.5	12	0.21	2.36	10.55	5	635
LENA067-8R9-24	6.65	8.9	0.3	2.36	7.55	5.33	635
LENA070-08-23	7	8	0.2	2.3	5.67	6.5	AR@400-700
LENA070-12-24	7	12	0.21	2.36	10.55	5	635
LENA072-6R2-54	7.2	6.24	0.4	5.36	3.44	5	780
LENA075-7R5-23	7.5	7.5	0.2	2.3	7	6.8	AR@635nm
LENA080-11-26	8	11	0.18	2.6	9.86	7.6	AR@400-700
LENA080-11-26	8	11		2.6			
LENA080-11R2-27	8	11.2	0.3	2.66	9.7	6.8	635
LENA080-22R6-24	8	22.62	0.15	2.35	21.28	7	532
LENA085-15-25	8.5	15		2.5			530
LENA095-24-24	9.5	24.06	0.16	2.35	22.77	7.8	785
LENA100-16R7-32	10	16.7	0.27	3.23	14.65	8.8	976
LENA100-19-31	10	19	0.23	3.14	17	8.8	915
LENA105-15R3-30	10.5	15.25	0.3	3	13.55	9	639
LENA150-11R3-70	15	11.25	0.62	7	6.84	13.5	587.6
LENA170-35-47	17	35	0.21	4.62	32.08	15	635
LENA200-47-40	20	47	0.15	3.95	14.5	19	AR@400-700



Glass Aspheric Lens for LIGHTING

Part no	Outer Diameter (mm)	Inner Diameter (mm)	Focal Length (f mm)	R	Center thickness (Tc mm)	Edge thickness (mm)
LENA060-05-32	6		5		3.2	
LENA078-05-40	7.8		5		4	
LENA080-11-32	8		11		3.2	
LENA100-07-50	10		7		5	
LENA100-15-35	10		15		3.5	
LENA116-09-58	11.6		9		5.8	
LENA118-10-46	11.8		10		4.6	
LENA120-13-42	12		13		4.2	
LENA125-10-36	12.5	10	10		3.6	1.4
LENA130-08-58	13		8		5.8	
LENA140-20-44	14		20		4.4	
LENA150-09-65	15	13.5	9		6.5	1.5
LENA150-10-60	15	13	10		6	1.5
LENA150-10-72	15		10		7.2	
LENA150-20-38	15		20		3.8	
LENA160-14-51	16	15	14		5.1	1.1
LENA160-17-50	16		17		5	
LENA160-22R8-50	16		22.8		5	1.41
LENA170-09-78	17	16	9		7.8	1.8
LENA180-09-97	18	16	9		9.7	3.5
LENA180-12R8-80	18		12.7	20.630	8	1.65
LENA180-13R5-90	18		13.5		9.07	2.71
LENA180-14R1-80	18		14.1	22	8	1.83
LENA180-14R5-70	18	16	14.5		7	2
LENA180-23-47	18		23		4.7	
LENA193-37-45	19.3		37		4.5	
LENA198-14-75	19.8	18.5	14		7.5	1.5
LENA200-13R5-90	20		13.5		9.07	1
LENA200-15-83	20		15		8.3	
LENA200-28-50	20		28		5	
LENA202-13-81	20.2	17.8	13		8.1	2.8
LENA202-35-45	20.2	17.8	35		4.5	2
LENA210-20R2-75	21		20.1		7.5	1.15
LENA214-20R2-75	21.4		20.1		7.5	1.15
LENA220-17R3-82	22		17.3	19.687	8.16	1.5
LENA220-22-65	22	20	22		6.5	3
LENA230-05-130	23	21	5		13	2
LENA230-15-91	23	22	15		9.1	1.2
LENA230-18-80	23	21	18		8	1.5
LENA230-21R1-91	23		21.1		9.1	1.2



Glass Aspheric Lens for LIGHTING

Part no	Outer Diameter (mm)	Inner Diameter (mm)	Focal Length (f mm)	R	Center thickness (Tc mm)	Edge thickness (mm)
LENA230-24R5-70	23		24.5		7	1.51
LENA239-14-105	23.9	22.5	14		10.5	2.1
LENA250-15-110	25		15		11	
LENA250-20-120	25		20		12	2.76
LENA250-35-68	25		35		6.8	
LENA254-19R8-100	25.4		19.8		10	1.58
LENA254-19R7-100	25.4		19.7		10	1.58
LENA260-11R7-134	26		11.7	-65	13.4	2.66
LENA260-16R9-102	26		16.9	27.110	10.15	1.54
LENA260-16R8-115	26		16.8	27.107	11.5	1.54
LENA260-20R9-150	26		20.9	-46	15	3.05
LENA260-31R4-65	26		31.4		6.47	1.52
LENA270-16R6-127	27		16.6	-38	12.7	2.07
LENA275-16R5-102	27.5	25	16.5		10.2	2.7
LENA280-20-94	28	25	20		9.4	2.2
LENA280-28-73	28	25	28		7.3	2
LENA290-17R3-140	29		17.3	-35	13.95	1
LENA291-31R6-84	29.1		31.6		8.4	1.4
LENA298-23-115	29.8		23		11.5	
LENA298-45-69	29.8		45		6.9	
LENA300-25-98	30	27.5	25		9.8	2.6
LENA300-52R3-75	30		52.3		7.5	3.24
LENA300-90R2-32	30		90.2		3.21	1.47
LENA310-20R6-149	31		20.6	-43.350	14.88	2.38
LENA317-27R8-145	31.67		27.8	-42.842	14.5	2.09
LENA316-27R7-145	31.67		27.7	-43.35	14.5	2.09
LENA320-18R5-130	32		18.4	-60	13	2.23
LENA320-21-78	32	24	21		7.8	2.4
LENA320-23-140	32	29.5	23		14	2
LENA320-145	32	29			14.5	1.5
LENA328-90R7-40	32.8		90.7		4	2.02
LENA328-96R9-40	32.8		96.9		4	2.02
LENA330-53R9-54	33		53.9		5.49	2
LENA335-22-125	33.5	30.5	22		12.5	3.5
LENA340-11-210	34	31.5	11		21	3
LENA340-24R3-165	34		24.3	-55.000	16.5	1.82
LENA340-24R2-165	34		24.2	-60	16.5	1.82
LENA340-30R4-165	34		30.4	-55	16.5	1.82
LENA343-23-118	34.3	30	23		11.8	2.8
LENA348-55-80	34.8		55		8	
LENA350-17-160	35	32	17		16	3



Glass Aspheric Lens for LIGHTING

Part no	Outer Diameter (mm)	Inner Diameter (mm)	Focal Length (f mm)	R	Center thickness (Tc mm)	Edge thickness (mm)
LENA360-24R5-195	36		24.5	54.36	19.5	2.5
LENA360-24R6-195	36		24.6		19.5	2.5
LENA360-27R7-195	36		27.7		19.5	2.5
LENA360-28R2-195	36		28.2		19.5	1.98
LENA360-37R6-112	36		37.6	93.3	11.2	2.16
LENA378-16-195	37.8	35.8	16		19.5	2.5
LENA378-35-100	37.8	32	35		10	2.7
LENA380-49R4-122	38		49.3		12.15	1.75
LENA400-22-160	40	36	22		16	2.5
LENA400-39R1-112	40		39.1		11.2	2.46
LENA400-65-85	40		65		8.5	
LENA410-203-65	41		203.9	80	6.5	1.91
LENA410-204-65	41		204		6.5	1.91
LENA420-34R8-174	42		34.8	134.417	17.35	3
LENA420-34R7-173	42		34.7		17.35	3
LENA420-43-130	42		43		13	2.29
LENA430-28-145	43	36	28		14.5	2.8
LENA435-35-130	43.5	39.5	35		13	2
LENA440-23-190	44	39.5	23		19	3
LENA440-46-115	44		46	134.417	11.5	2.09
LENA440-62R4-85	44		62.3		8.5	2.08
LENA450-49R9-130	45		49.9		13	1.9
LENA450-50-120	45		50	70.324	12	2.18
LENA450-50R1-120	45		50.1		12	2.18
LENA460-24-178	46	39	24		17.8	3
LENA480-24R5-167	48		24.5	70.324	16.72	1.97
LENA480-24R4-167	48		24.4		16.72	1.97
LENA480-31-150	48		31	80	15	2.04
LENA480-31R5-166	48		31.5	73.429	16.64	2
LENA480-35R6-152	48		35.6	73.95	15.2	1.92
LENA480-45R3-130	48		45.3		13	2.51
LENA480-56R3-125	48		56.2		12.47	3.34
LENA500-33-190	50	46	33		19	3
LENA500-35-172	50	46	35		17.2	2.7
LENA500-36R6-167	50		36.6	90	16.73	2.27
LENA500-41R9-165	50		41.8		16.5	2
LENA500-42-155	50	46	42		15.5	2.9
LENA500-48R4-191	50		48.4		19.05	2
LENA500-70-201	50		70	-132.5	20.14	2.98
LENA500-144-80	50		144.8	-523.69	8	3.3



Glass Aspheric Lens for LIGHTING

Part no	Outer Diameter (mm)	Inner Diameter (mm)	Focal Length (f mm)	R	Center thickness (Tc mm)	Edge thickness (mm)
LENA500-146-603	50		146.3		6.03	2
LENA506-30-220	50.6	48	30		22	3.2
LENA510-31-190	51	46	31		19	2.8
LENA510-75-125	51		75		12.5	3
LENA510-225	51	47			22.5	3.5
LENA515-33-185	51.5	45.5	33		18.5	2.6
LENA520-26-248	52	49	26		24.8	2.5
LENA525-36-200	52.5	48	36		20	2.8
LENA530-37-200	53	48	37		20	3.5
LENA530-54R7-142	53		54.7	88.131	14.2	2
LENA636-59R3-130	53		59.3	78.68	13	2.05
LENA545-34-210	54.5	49	34		21	2.6
LENA550-30-270	55		30		27	7.5
LENA550-60-178	55		60		17.8	5
LENA560-63R2-140	56		63.2	108.219	14	2.44
LENA570-30-270	57		30		27	5.5
LENA570-35-232	57	53.8	35		23.2	3.2
LENA590-33-195	59	47	33		19.5	3.5
LENA590-48R1-290	59		48.1	-87	29	2
LENA590-60-178	59		60		17.8	3.5
LENA600-40-245	60	55.8	40		24.5	3.5
LENA605-52-205	60.5	56.3	52		20.5	3
LENA610-25-300	61	54	25		30	4
LENA630-100-130	63	59	100		13	3
LENA630-145-225	63		145		22.5	15
LENA-423-120	63.6		423.9	352	12	12.12
LENA637-37-270	63.7	59.3	37		27	3.3
LENA639-55-190	63.9	59.9	55		19	3
LENA639-65-178	63.9	59.9	65		17.8	3
LENA640-40-250	64	59	40		25	3
LENA650-42-250	65	59	42		25	3.5
LENA660-47-240	66	61.5	47		24	3
LENA662-42-285	66.2	61.2	42		28.5	4
LENA665-48-250	66.5	62.4	48		25	3.5
LENA668-52-247	66.8	62	52		24.7	3.2
LENA690-55-255	69	64	55		25.5	3
LENA690-35-295	69	60.5	35		29.5	3.2
LENA693-205	69.3	63.1			20.5	5.3
LENA700-145-225	70		145		22.5	13
LENA710-47-280	71	67	47		28	3



Glass Aspheric Lens for LIGHTING

Part no	Outer Diameter (mm)	Inner Diameter (mm)	Focal Length (f mm)	R	Center thickness (Tc mm)	Edge thickness (mm)
LENA720-52R4-288	72		52.4		28.8	3.38
LENA720-60-265	72	68	60		26.5	3.8
LENA738-73-242	73.8	69.9	73		24.2	4.1
LENA740-65-250	74	71	65		25	3.5
LENA740-58-275	74	70	58		27.5	4
LENA740-70-250	74	70.3	70		25	3.5
LENA750-70-236	75	70	70		23.6	4.5
LENA750-83R8-360	75		83.8	-88.636	36	13.44
LENA750-145-225	75		145		22.5	11.5
LENA760-53-300	76	69.5	53		30	4
LENA776-42-330	77.6	71	42		33	3
LENA780-50-305	78	71.1	50		30.5	4
LENA780-53-300	78	73	53		30	5
LENA782-50-329	78.2	73	50		32.9	4
LENA782-51-275	78.2	66.7	51		27.5	4
LENA790-45-340	79	74.2	45		34	4
LENA798-145-225	79.8		145		22.5	10
LENA800-32-400	80	72	32		40	4.5
LENA800-76R2-258	80		76.2	139.998	25.87	4.1
LENA800-115-174	80		115.9	117.14	17.49	4
LENA810-55-275	81	74	55		27.5	3.5
LENA830-92R4-215	83		92.4	113.84	21.5	2.04
LENA850-145-225	85		145		22.5	8.5
LENA880-145-225	88		145		22.5	7.5
LENA890-65-300	89	74	65		30	5.7
LENA890-161-177	89		161.3	-231.5	17.72	2.9
LENA898-145-225	89.8		145		22.5	7
LENA900-102-222	90		102.7	600	22.2	2.92
LENA910-145-225	91		145		22.5	6
LENA920-69R7-314	92		69.7		31.39	2
LENA930-145-225	93		145		22.5	5.5
LENA950-145-225	95		145		22.5	4.5
LENA970-180-153	97		180.3	353	15.34	2.91
LENA980-145-225	98		145		22.5	3
LENA1000-126-217	100		126.7	270	21.72	2.46
LENA1000-135-220	100	92	135		22	4
LENA1040-110-300	104	100	110		30	4.5
LENA1080-145-220	108	101	145		22	2.2
LENA1120-151-236	112		151.9	1100	23.63	3



Glass Aspheric Lens for LIGHTING

Part no	Outer Diameter (mm)	Inner Diameter (mm)	Focal Length (f mm)	R	Center thickness (Tc mm)	Edge thickness (mm)
LENA1120-176-208	112		176.4		20.8	2.99
LENA1280-293-175	128		293		17.59	4
LENA1300-211-243	130		211.3		24.3	5.45
LENA1300-355-134	130		355	740	13.43	2.5
LENA-41X39-188	41*38.6	38.2*34.3			18.8	2
LENA-41X39-229	41*38.6	38.1*35.6			22.9	2
LENA-90X69-175	90*68.5	83.5*61			17.5	3.5



Plastic Aspherical Lens for LIGHTING

Part Number	Outer Diameter (mm)	Inner Diameter (mm)	Focal Length (f mm)	Center thickness (Tc mm)	Edge Thickness (Te mm)	Surface Type
LENA070-011-20-PMMA-1	7	/	11	2	/	Type 1
LENA76-010-23-PMMA-1	7.6	7.2	10	2.25	0.7	Type 1
LENA080-012-23-PMMA-1	8	/	12	2.3	/	Type 1
LENA085-011-22-PMMA-1	8.5	/	11	2.2	/	Type 1
LENA85-008-28-PMMA-1	8.5	7.8	7.5	2.8	1	Type 1
LENA090-006-27-PMMA-1	9	7	6	2.7	1	Type 1
LENA100-014-27-PMMA-1	10	/	14	2.7	/	Type 1
LENA100-010-30-PMMA-1	10	9	10	3	1	Type 1
LENA100-006-30-PMMA-1	10	7.8	6	3	1.1	Type 1
LENA100-007-45-PMMA-1*	10	/	7	4.5	1.4	Type 1
LENA107-012-27-PMMA-1	10.7	9.9	12	2.7	0.8	Type 1
LENA108-030-27-PMMA-1	10.8	9.5	30	2.7	0.73	Type 1
LENA110-013-25-PMMA-1	11	8.6	13	2.5	1	Type 1
LENA110-024-20-PMMA-1	11	9.9	24	2	1	Type 1
LENA120-009-49-PMMA-1	12	8.9	9	4.85	1.5	Type 1
LENA125-008-45-PMMA-1	12.5	11.4	8	4.5	1.2	Type 1
LENA125-010-37-PMMA-1	12.5	11	10	3.7	1	Type 1
LENA130-025-23-PMMA-1	13	12	25	2.3	0.8	Type 1
LENA130-005-50-PMMA-1	13	10.9	5	5	1	Type 1
LENA130-009-52-PMMA-1*	13	/	9	5.2	1.6	Type 1
LENA135-023-27-PMMA-1	13.5	12	23	2.65	1	Type 1
LENA140-012-38-PMMA-1	14	12	12	3.8	1	Type 1
LENA140-010-45-PMMA-1	14	13	10	4.5	0.9	Type 1
LENA145-027-27-PMMA-1	14.5	13	27	2.65	1	Type 1
LENA145-010-88-PMMA-1	14.5	/	10	8.8	/	Type 1
LENA150-033-25-PMMA-1	15	13.5	33	2.5	1	Type 1
LENA150-020-38-PMMA-1	15	14.5	20	3.75	1	Type 1
LENA150-009-56-PMMA-1	15	13.1	9	5.6	1.2	Type 1
LENA150-032-25-PMMA-1	15	14	32	2.5	1	Type 1
LENA157-012-49-PC	15.7	14.8	12	4.9	1	Type 1
LENA160-023-37-PMMA-1	16	/	23	3.7	/	Type 1
LENA160-014-50-PMMA-1	16	14.8	14	5	1.2	Type 1
LENA160-020-65-PMMA-1*	16	/	20	6.5	3	Type 1
LENA160-00-77-PMMA-1	16	14.8	/	7.7	2.6	Type 1



Note: * means the lens without step

Plastic Aspherical Lens for LIGHTING

Part Number	Outer Diameter (mm)	Inner Diameter (mm)	Focal Length (f mm)	Center thickness (Tc mm)	Edge Thickness (Te mm)	Surface Type
LENA170-028-32-PMMA-1	17	16	28	3.2	0.8	Type 1
LENA170-010-62-PMMA-1	17	15.8	10	6.2	1.4	Type 1
LENA175-015-42-PMMA-1	17.5	14	15	4.2	1.4	Type 1
LENA180-015-54-PMMA-1	18	14	15	5.4	1.85	Type 1
LENA180-018-68-PMMA-1*	18	/	18	6.8	2.5	Type 1
LENA180-018-84-PMMA-1	18	17	18	8.4	4.5	Type 1
LENA183-043-31-PMMA-1*	18.3	/	43	3.1	/	Type 1
LENA193-033-32-PMMA-1	19.3	18	33	3.2	0.9	Type 1
LENA193-017-56-PMMA-1	19.3	17.6	17	5.6	1.5	Type 1
LENA193-00-56-PMMA-3	19.3	17.6	/	5.6	1.5	Type 3
LENA193-030-42-PMMA-1	19.3	17.6	30	4.2	1.5	Type 1
LENA193-00-42-PMMA-2	19.3	17.6	/	4.2	1.5	Type 2
LENA200-034-27-PMMA-1	20	14.5	34	2.66	1	Type 1
LENA200-017-57-PMMA-1	20	17.4	16.5	5.7	1.5	Type 1
LENA200-00-56-PMMA-7	20	17.4	/	5.6	1.5	Type 7
LENA200-00-56-PMMA-3	20	17.4	/	5.6	1.5	Type 3
LENA205-012-80-PMMA-1	20.5	18.5	12	8	1.85	Type 1
LENA208-022-73-PMMA-1	20.8	19.5	22	7.3	1	Type 1
LENA208-041-30-PMMA-1	20.8	17.8	41	3	1	Type 1
LENA210-025-48-PMMA-1	21	18	25	4.8	1.6	Type 1
LENA225-016-80-PMMA-1	22.5	20.5	16	8	2	Type 1
LENA230-016-80-PMMA-1	23	21	16	8	1.7	Type 1
LENA230-00-80-PMMA-5	23	21	/	8	1.7	Type 5
LENA230-00-80-PMMA-4	23	21	/	8	1.7	Type 4
LENA230-00-80-PMMA-2	23	21	/	8	1.7	Type 2
LENA230-00-80-PMMA-3	23	21	/	8	1.7	Type 3
LENA230-00-80-PMMA-6	23	21	/	8	1.7	Type 6
LENA230-00-80-PMMA-7	23	21	/	8	1.7	Type 7
LENA238-026-59-PMMA-1	23.8	21	26	5.9	1.7	Type 1
LENA250-050-46-PMMA-1*	25	/	50	4.6	/	Type 1
LENA250-051-45-PMMA-1	25	23	51	4.5	1.8	Type 1
LENA250-018-104-PMMA-1*	25	/	18	10.4	3.2	Type 1
LENA269-018-108-PMMA-1	26.9	17.8	18	10.8	2.3	Type 1
LENA270-050-56-PMMA-1	27	25	50	5.57	1.1	Type 1
LENA277-019-86-PMMA-1	27.7	25.8	19	8.6	1.4	Type 1
LENA277-029-63-PMMA-1	27.7	25.8	29	6.3	1.4	Type 1
LENA277-047-48-PMMA-1	27.7	25	47	4.75	1.45	Type 1



Note: * means the lens without step

Plastic Aspherical Lens for LIGHTING

Part Number	Outer Diameter (mm)	Inner Diameter (mm)	Focal Length (f mm)	Center thickness (Tc mm)	Edge Thickness (Te mm)	Surface Type
LENA277-00-86-PMMA-2	27.7	25.8	/	8.6	1.4	Type 2
LENA277-00-86-PMMA-7	27.7	25.8	/	8.6	1.4	Type 7
LENA280-090-38-PMMA-1*	28	/	90	3.8	/	Type 1
LENA285-015-82-PMMA-1	28.5	20.6	15	8.2	2	Type 1
LENA287-045-54-PMMA-1	28.7	25.7	45	5.4	1.4	Type 1
LENA290-027-85-PMMA-1	29	27.5	27	8.5	1.5	Type 1
LENA290-00-85-PMMA-2	29	27.5	/	8.5	1.5	Type 2
LENA300-088-38-PMMA-1	30	/	88	3.8	/	Type 1
LENA300-025-81-PMMA-1	30	26.5	25	8.1	1.6	Type 1
LENA310-027-125-PMMA-1	31	29.3	27	12.5	2	Type 1
LENA310-00-102-PMMA-2	31	28.5	/	10.2	1	Type 2
LENA330-037-76-PMMA-1	33	29.5	36.5	7.6	1.6	Type 1
LENA335-080-50-PMMA-1	33.5	/	80	5	/	Type 1
LENA336-00-103-PMMA-3	33.6	31	/	10.3	1.45	Type 3
LENA337-032-133-PMMA-1	33.7	31.8	32	13.3	3	Type 1
LENA350-038-98-PMMA-1	35	33	38	9.75	2	Type 1
LENA350-028-113-PMMA-1	35	32	28	11.3	2.1	Type 1
LENA360-040-98-PMMA-1	36	33	40	9.8	2.1	Type 1
LENA370-053-84-PMMA-1	37	35	53	8.4	2.5	Type 1
LENA380-032-100-PMMA-1	38	33	32	10	2.3	Type 1
LENA380-00-100-PMMA-3	38	33	/	10	2.3	Type 3
LENA400-023-153-PMMA-1	40	35.3	23	15.3	2.5	Type 1
LENA448-063-100-PMMA-1	44.8	41.8	63	10	1.15	Type 1
LENA450-036-143-PMMA-1	45	42	36	14.3	2.1	Type 1
LENA483-00-100-PMMA-3	48.3	38	/	10	1.5	Type 3
LENA484-081-100-PMMA-1*	48.35	/	81	10	2	Type 1
LENA484-00-100-PMMA-2*	48.35	/	/	10	2	Type 2
LENA484-00-100-PMMA-3*	48.35	/	/	10	2	Type 3
LENA493-036-146-PMMA-1	49.3	44	36	14.6	2	Type 1
LENA600-045-192-PMMA-1	60	57.7	45	19.2	2.3	Type 1
LENA600-085-122-PMMA-1*	60	/	85	12.2	2.1	Type 1
LENA600-037-260-PMMA-1*	60	/	37	26	3	Type 1
LENA640-052-200-PMMA-1	64	58.5	52	20	3.2	Type 1
LENA680-220-100-PMMA-1	68	60.5	220	10	3.2	Type 1
LENA725-00-222-PMMA-2	72.5	64.2	/	22.2	3	Type 2
LENA26x19-008-139-PMMA	26*19	21*19	8	13.9	2.4	Type 1


 TOP

Note: * means the lens without step

Surface pictures of Types

Type 1



Convex Surface Plano Surface

Type 2



Convex Surface Plano Surface

Type 3



Convex Surface Plano Surface

Type 4



Convex Surface Plano Surface

Type 5



Convex Surface Plano Surface

Type 6



Convex Surface Plano Surface

Type 7



Convex Surface Plano Surface

