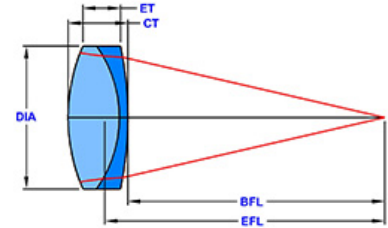




Standard Achromats

These lenses consist of two optical elements, usually of crown and flint glass types, cemented together to form an achromatic doublet. Most often, the crown lens is a biconvex positive lens. Due to the difference in refractive indices, chromatic aberration with respect to two selected wavelengths has been corrected. The lenses have been corrected for on-axis spherical aberration as well. Achromatic doublets are used as telescope objectives, eye loupes, magnifying glasses and eyepieces. Achromatic doublets have also been used to focus and manipulate laser beams because their image quality is superior to single lenses.



Diameter	Dia. Tolerance	CT Tolerance	Centering	Irregularity	Surface Quality	Bevel
6.00-25.00	+0.00 / -0.10	±0.2	< 3 minutes	0.5 Waves	40-20	0.25 x 45°
25.01 - 50.00	+0.00 / -0.10	±0.2	< 3 minutes	0.5 Waves	60-40	0.50 x 45°
>50.00	+0.05 / -0.10	±0.2	3 - 5 arc min.	1.0 Waves	60-40	0.50 x 45°
Dimensions		MM				
Clear Aperture		CA >= 90% of Diameter				
Coating		1/4wave MgF2 @ 550nm (See Coating Chart for Available Options)				
Design Wavelength		587.6nm				
Focal Length Tolerance		±2%				
Edge Thickness		Reference				

* All dimensions are in mm

Viewing 1 to 30 (310 Total)

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Part Number	Diameter	Effective Focal Length	Back Focal Length	Center Thickness	Edge Thickness	
L-AOC000	6.0000	10.0000	7.5200	4.75	3.5000	Request A Quote
L-AOC001	8.0000	16.0000	13.3400	4.91	3.8000	Request A Quote
L-AOC002	6.0000	12.6000	11.2000	2.6000	1.9000	Request A Quote
L-AOC003	8.0000	25.0000	22.6500	5.13	4.4000	Request A Quote
L-AOC004	8.0000	30.0000	27.7900	4.5	4.0000	Request A Quote
L-AOC005	8.5000	20.0000	17.5900	3.9	3.1000	Request A Quote
L-AOC006	8.5000	22.0000	20.2300	3.6	2.6000	Request A Quote
L-AOC007	10.0000	20.0000	17.0300	5.57	4.4000	Request A Quote
L-AOC008	10.0000	30.0000	27.3100	5.7	4.7000	Request A Quote
L-AOC009	9.0000	36.0000	34.1700	4.0000	3.3000	Request A Quote
L-AOC010	12.0000	25.0000	22.2200	5.76	4.0000	Request A Quote
L-AOC011	12.5000	30.0000	27.1900	5.33	4.1000	Request A Quote
L-AOC012	12.7000	63.5000	61.4900	4.5	3.7000	Request A Quote
L-AOC013	16.0000	36.0000	32.4800	7.5	5.2000	Request A Quote
L-AOC014	6.0000	17.3000	15.9000	3.0000	2.4000	Request A Quote
L-AOC015	6.1000	12.0000	10.3600	3.1000	2.4000	Request A Quote
L-AOC016	17.0000	73.0000	70.3800	5.2	4.3000	Request A Quote
L-AOC017	6.2000	15.0000	13.3900	3.5000	2.7000	Request A Quote
L-AOC018	6.2500	10.0000	7.8400	4.09	3.2000	Request A Quote
L-AOC019	17.5000	31.0000	27.3000	8.85	6.2000	Request A Quote
L-AOC020	6.2500	12.5000	10.3700	3.8	3.1000	Request A Quote
L-AOC021	6.2500	15.0000	12.5000	3.5	2.6000	Request A Quote

L-AOC022	18.0000	40.0000	35.4400	8.04	6.1000	Request A Quote
L-AOC023	6.2500	20.0000	18.2300	3.6	3.0000	Request A Quote
L-AOC024	6.2500	25.0000	23.4600	3.2	2.7000	Request A Quote
L-AOC025	18.0000	50.0000	46.9300	5.96	4.2000	Request A Quote
L-AOC026	18.0000	60.0000	57.2100	5.2	4.0000	Request A Quote
L-AOC027	6.2500	30.0000	28.4600	3.2	2.8000	Request A Quote
L-AOC028	18.0000	80.0000	77.4900	5.4	4.2000	Request A Quote
L-AOC029	6.2500	35.0000	33.6000	3.2	2.9000	Request A Quote

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