

asphericon StockOptics

a | Low-NA

Available in a focal length-diameter-ratio (f/d) of 2.0 and ideally suited for light collection and laser applications.

Key Benefits:

- = Outstanding surface form deviation of $RMS_s \leq 0.5 \mu\text{m}$
- = Long focal length (f/d 2.0)
- = Available with 3 standard coatings¹:
 - A: $R_{MAX} < 1.0\%$, $R_{AVG} \leq 0.4\%$, 400-600 nm, $AOI=0^\circ$
 - B: $R_{MAX} < 1.0\%$, $R_{AVG} \leq 0.4\%$, 600-1050 nm, $AOI=0^\circ$
 - C: $R_{MAX} < 1.0\%$, $R_{AVG} \leq 0.4\%$, 1000-1600 nm, $AOI=0^\circ$
- = Off-the-shelf delivery
- = RoHS compliance

Lens description		
Surface form deviation (RMS_s) ²	[μm]	≤ 0.5
EFL tolerance	[%]	≤ 0.1
Surface imperfections	[Scratch-Dig]	60 - 40
Diameter tolerance	[mm]	+0/-0.05
Center thickness tolerance ³	[mm]	+0.05 ³
Clear aperture	[%]	≥ 90

Product code	Diameter	EFL	NA	f/d	WD	Material
ALL12-25 ⁴	12.5 mm	25 mm	0.23	2.0	22.4 mm	N-BK7
ALL25-50 ⁴	25 mm	50 mm	0.23	2.0	46.0 mm	N-BK7
ALL50-100	50 mm	100 mm	0.23	2.0	93.4 mm	N-BK7
ALL75-60	75 mm	60 mm	0.61	0.8	36.5 mm	N-BK7
ALL75-150	75 mm	150 mm	0.23	2.0	140.1 mm	N-BK7
ALL100-100	100 mm	100 mm	0.47	1.0	76.2 mm	N-BK7
ALL100-200	100 mm	200 mm	0.23	2.0	187.4 mm	N-BK7

¹ Custom coatings available upon request. | ² For lenses ALL75-60, ALL75-150, ALL100-100, ALL100-200 please consider a maximum value of 0.75. RMS_s corresponding to ISO 10110-5 (surface form tolerances). | ³ For lenses ALL50-100, ALL100-200 please consider a center thickness tolerance of ± 0.1 . For lenses ALL75-60, ALL100-100 please consider a center thickness tolerance of ± 0.15 . | ⁴ Also available as mounted lens. | General: Technical parameters and prices are subject to change without prior notice.



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