



Available in a focal length-diameter-ratio (f/d) of 2.0 and ideally suited for light collection and laser applications. Some diameters are also available with high-precision mountings.

Key Benefits:

- Outstanding surface form deviation of RMSi $\leq 0.5 \mu\text{m}$
- Long focal length (f/d 2.0)
- Available with 3 standard coatings
- Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
- Off-the-shelf delivery
- RoHS compliance



Lens Description

Surface Form Deviation (RMSi) ¹	[μm]	≤ 0.5
EFL Tolerance	[%]	≤ 0.1
Surface Imperfections	[Scratch-Dig]	60-40
Diameter Tolerance	[mm]	+0/-0.05
Center Thickness Toleranc ²	[mm]	± 0.05
Clear Aperture	[%]	≥ 90

AR-Coatings³

A: $R_{\text{MAX}} < 1.0\%$, $R_{\text{AVG}} \leq 0.4\%$, 400-600nm, AOI=0°

B: $R_{\text{MAX}} < 1.0\%$, $R_{\text{AVG}} \leq 0.4\%$, 600-1050nm, AOI=0°

C: $R_{\text{MAX}} < 1.0\%$, $R_{\text{AVG}} \leq 0.4\%$, 1000-1600nm, AOI=0°

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

1. For lenses ALL75-60, ALL75-150, ALL100-100, ALL100-200 please consider a maximum value of 0.75. RMSi corresponding to ISO 10110-5 (surface form tolerances).

2. 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 .

3. Custom coatings available upon request.

