

Excimer Laser Focusing Lenses

- All fused silica air-spaced design
- Metal barrel for ease of mounting
- Standard focal lengths from 40 to 300mm
- Clear apertures of 27 and 47mm



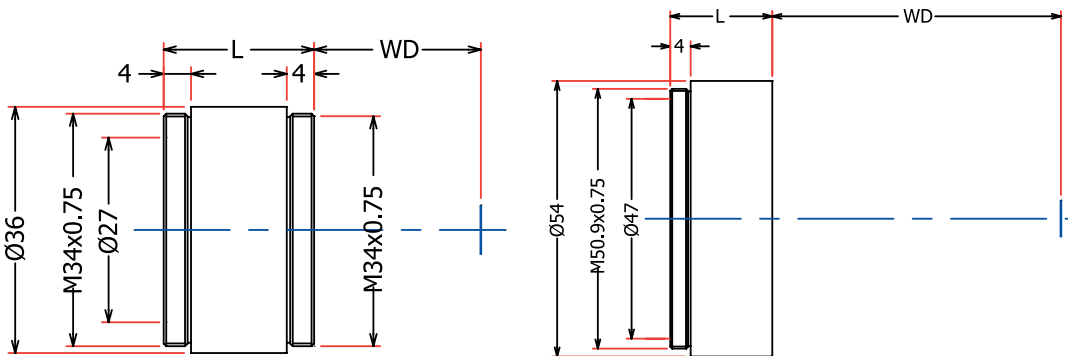
These air-spaced focusing lenses are manufactured from synthetic fused silica. They are optimized for use in the region 180 to 400nm making them ideal for use with excimer lasers or other ultraviolet sources. In air-spaced doublets the air gap acts as a third lens element providing a greater degree of correction. In this way it is possible to minimize all of the paraxial aberrations for the highest possible performance. As a result, these very simple lenses provide excellent performance for focusing, imaging and light collection. Focal lengths from 40 to 300mm are available with clear apertures from 27 to 47mm. These lenses are supplied uncoated and mounted in metal cells with a plain outer barrel.

Specifications & Tolerances

Focal length: $\pm 2\%$ @248.4nm

Material: Synthetic fused silica

Coating: Optional Anti-Reflection upon request



EXCIMER LASER FOCUSING LENS 36mm & 54 mm

Excimer Laser Focusing Lenses

Focal Length @248nm (mm)	Clear Aperture (mm)	Working Distance, WD (mm)	Cell Diameter (mm)	Cell Length, L (mm)	Mounting Thread	Lens Composition	Price	PART NUMBER
39.6	27	31.1	36	22	M34 x P0.75	Triplet		027-1210
49.8	27	41.6	36	22	M34 x P0.75	Triplet		027-1220
59.7	27	52.4	36	22	M34 x P0.75	Triplet		027-1225
79.8	27	73.2	36	22	M34 x P0.75	Triplet		027-1230
99.9	27	94.6	36	12	M34 x P0.75	Doublet		027-1240
149.3	27	144.6	36	12	M34 x P0.75	Doublet		027-1250
199.3	27	194.7	36	12	M34 x P0.75	Doublet		027-1260
100.4	47	87.1	54	20	M50.9 x P0.75	Doublet		027-1350
149.6	47	137.9	54	20	M50.9 x P0.75	Doublet		027-1360
199.1	47	187.9	54	20	M50.9 x P0.75	Doublet		027-1370
249.0	47	238.0	54	20	M50.9 x P0.75	Doublet		027-1380
298.6	47	288.0	54	20	M50.9 x P0.75	Doublet		027-1390

- Spherical Lenses
- Cylindrical Lenses
- Lens Kits
- Achromatic Doublets
- Multi-Element**
- Micro Optics
- Mirrors
- Prisms
- Substrates & Windows
- Beamsplitters
- Polarizers
- Filter & Apertures