



Your reliable supplier & strategic partner **in optics**

Products & Ser..

Your Are Here: [Products & Services](#)> [Precision optical compoments](#)> [Cylindrical Lens](#)

[Spherical Lens](#)

[Achromatic Lens](#)

[Ball Lens](#)

[IR Lens](#)

[Aspheric Lens](#)

[Prism](#)

[Mirror](#)

[Optical Filter](#)

[Window](#)

[Cylindrical Lens](#)

[Lens Assembly](#)

[Rod Lens](#)

[Test Plates](#)

Cylindrical Lens

Cylindrical lenses can be used to focus light into a thin line in the applications of scanning, spectroscopy, laser diode, acousto-optic, optical processing, and others. Cylindrical lenses can also be used to expand the output of a laser diode into a symmetrical beam. Alpha-Optics' cylindrical lenses are designed to meet the stringent requirements of industry applications. The microlenses are manufactured to minute tolerances to ensure minimum wavefront error and polished to accurate surface finish to minimise scatter and unwanted diffraction.



- [Plano-convex Lens](#)
- [Plano-concave Lens](#)
- [Double convex Lens](#)
- [Double concave Lens](#)
- [Meniscus Lens](#)

Specifications:

Material: BK7 A grade optical glass or UV grade Fused Silica

Design Wavelength: 632.8 nm

Design Index: $n = 1.45702 \pm 0.00005$

Surface Figure: $x: \lambda/2; y: 2\lambda$

Dimension Tolerance: $\pm 0.2\text{mm}$

Paraxial Focal Length: $\pm 2\%$

Centration: 3 arc minutes

Clear Aperture: $> 85\%$ of diameter

Surface Quality: 60-40 S/D

Bevel: 0.25mmx45deg

[back](#)

[About Us](#)

[Products & Servers](#)

[News](#)

[TOP](#)

[About Us](#)

[Standard products](#)

[Home](#)

[Contact](#)

[Precision optical compoments](#)

[Coatings](#)