



吉林省武圆光电科技有限公司
VY Optoelectronics Co.,Ltd.

Cylindrical lens is used to correct astigmatism in the eye, and, in rangefinders, to produce astigmatism, stretching a point of light into a line. They are available in either plano concave or plano convex configurations.

Plano-Concave Cylindrical lenses have a negative focal length and are used for image reduction or to spread light.

Plano-Convex Cylindrical lenses have a positive focal length, which makes them ideal for collecting and focusing light for many imaging applications.

Double-Convex Lenses are used in image relay applications, or for imaging objects at close conjugates.

Double-Convex Lenses have positive focal lengths, along with two convex surfaces with equal radii. Aberrations will increase as the conjugate ratios increase. DCV Lenses are used in a range of industries or applications.

VY Optics offers a wide variety of cylindrical lenses in a range of substrates or anti-reflection coatings for maximum performance in the Ultraviolet (UV), Visible, or Infrared (IR). Anti-reflection coatings include UV-AR, UV Fused Silica or Calcium Fluoride (CaF₂) substrates are also available for additional performance in the Ultraviolet (UV) or Infrared (IR) spectrums. UF Fused Silica Double-Convex Lenses are ideal for close conjugate imaging systems utilizing Ultraviolet (UV) illumination. Calcium Fluoride (CaF₂) offers a very wide transmission range of 350nm - 7μm.

Plano-convex cylindrical lens, plano-concave cylindrical lens, bi-convex cylindrical lens, bi-concave cylindrical lens, meniscus cylindrical lens, long cylindrical lens, special cylindrical lens etc..

Specification of our cylindrical lens as follow:

- *Material BK7 or other optical materials
- *Dimension Tolerance +0.00 -- 0.01mm
- *Center Thickness +/-0.1mm
- *Focal Length Tolerance +/-1%
- *Surface Quality:10/5
- *Surface Figure $\lambda/2$ at 633nm on plano side
- *Clear Aperture >95%
- *Chamfer 0.25mm at 45 degree typical
- *Coating Optional

