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KO | BRINGING QUALITY INTO FOCUS

Cylindrical Lenses for Optical Systems

Knight Optical can offer [Cylindrical Lenses](#) for use within Optical Systems.

We supply a range of cylindrical lenses for a range of applications. All individually QA checked and metrology tested for quality to ensure parts meet customer specification. Supplied in a range of sizes and shapes with custom coatings tailored to meet your individual applications.

Knight Optical supply precision optical components to customers with optical systems. Cylindrical lenses are designed to light to a straight line, rather than a point.

Cylindrical lenses are often used to change the profile of laser beams, for example to correct for astigmatism and elliptic shape in diode lasers or to generate lines from single mode lasers.

Typical specs:

Material:	N-BK7 or equivalent, UV Fused Silica, SF11 or equivalent
Dimensional Tolerances:	+/- 0.1mm
Shapes:	Diameter/Rectangular, Convex/Concave
Centering:	< 3 arcminutes
Surface Quality:	< 40-20 Scratch/Dig
Surface Figure:	< 5(1) @ 633nm
Coating:	Antireflective coatings for application bandwidth (if required)

All our Cylindrical Lenses are fully inspected on their quality in our ISO 9001 certified, state-of-the-art Metrology laboratory, using our Zygo Verifire Interferometer and Trioptics OptiSpheric. This allows us to work to the highest [QA standards](#) and meet the tolerance specifications on these **precision components**.

[Contact our technical sales team](#) to discover how Knight Optical's high quality Cylindrical Lenses and superior service can improve your instrumentation and supply chain experience.

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