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## KO | BRINGING QUALITY INTO FOCUS

### Custom Rod Lenses for Optical Systems

**Knight Optical** can offer custom [Rod Lenses](#) for use within Optical Systems.

We supply a range of custom & stock Rod 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. Rod Lenses are a special variant of cylindrical lenses so they focus light to a line. Rod lenses have an outside face that is polished and the ends are ground. Typical uses for rod lenses would be to generate a line image from a circular laser beam.

Rod lenses can be cut at 45 degrees for use in beam steering and other similar applications.

#### Typical specs:

<b>Material:</b>	N-BK7 or equivalent, Borosilicate, UV Fused Silica
<b>Shapes:</b>	Plane, 45°
<b>Dimensional Tolerances:</b>	+/- 0.1mm
<b>Centering:</b>	< 3 arcminutes
<b>Surface Quality:</b>	< 40-20 Scratch/Dig
<b>Surface Figure:</b>	< 5(1) @ 633nm
<b>Coating:</b>	Antireflective coatings for application bandwidth (if required)
<b>Mounting:</b>	Available on request

**All our Rod 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/OptiCentric. 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 Rod Lenses and superior service can improve your instrumentation and supply chain experience.

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