

Knight Optical offer extensive custom prism capabilities in manufacturing bespoke optics to our customer's specifications.

We offer a range of materials and designs as small as 5mm up to sizes in excess of 200mm, with prism angle tolerances as small as 3 arcseconds where required.

Prisms can be AR coated for improved transmission or mirror coated dependant on type.

Custom Capabilities

Types of Prism

Right Angle, Equilateral, Porro, Dove, Amici, Wedge, Rhomboid, Penta, Pellin-Broca, Littrow, Anamorphic Pairs, Corner Cube, Polygon, Fresnel, Inverting

Dimensions

5mm to 300mm+

Angular Tolerance

<3 arcseconds

Surface Form

< 1/10th wave @ 633nm

Surface Quality

< 10:5

Material

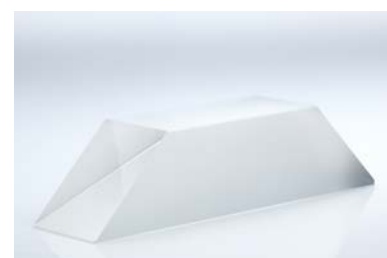
BK7 (or equivalent), SF11 (or equivalent), F2 (or equivalent), UV Fused Silica, IR Crystal

Coating Options

AR Coated
Mirror Coated
Blackened

Mounting Options

Mounted or unmounted



To keep up with the latest scientific developments, we guarantee that our in-house Metrology and Quality Assurance departments will not only deliver premium, individually inspected and tested optical components to your business, but should there be a need, can deliver bespoke optics designed to your exact specifications.

For more information on any of our optical services, to discuss your requirements or place a direct order with one of our technical sales team, please contact Knight Optical by Email: info@knightoptical.com or call direct on +44 1622 859 444 (UK, EUR or ROW) +1 401 583 7846 (USA & Canada).