



Knight Optical (UK) Ltd

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Call +44 1622 859444 for all your custom optic requirements

#### [Optical Lenses from Knight Optical UK Ltd](#)

Aspheric Lenses - Precision Grade, Plastic Grade, Firepolished Grade

Ball Lenses - BK7, Quartz and Sapphire types

Biconvex Lenses - Quality Grade

Concave Lenses - UV Fused Silica, Quality Grade,

Concave Laser Lenses - High Index

Convex Lenses - Commercial Grade

Condenser Lenses - Large Quality Grade

Cylindrical Lenses - Quality Grade, UV Fused Silica, Commercial Grade

Uncoated & AR coated for 245-400nm

Doublet Lenses - Achromatic Quality Grade, Achromatic Commercial Grade

Fresnel Lenses - Cylindrical type, Standard Range, Precision Range

Fused Silica Convex Lenses (UV Grade) - Uncoated, AR Coated

Meniscus Lenses - Positive Type, Negative Type, Laser Type

Planoconvex Lenses - Quality Grade, Uncoated, AR Coated

Planoconvex Laser lenses - High Index AR Coated

Plastic lenses

Rod Lenses

#### [Filters from Knight Optical](#)

Interference Band-pass Filters - Narrowband Range, Standard Range, Standard IR Range,  
Broadband Range, Extra-broadband Range

Colour Filters - Glass Type, Acrylic Type, Polyester Type, Wratten Gelatin

Dichroic Beamsplitters (45°) - Long-Wave & Band Reflecting Type, Short-Wave Reflecting Type

Dichroic Filters (0°) - Long-pass Type, Short-pass Type, Band-pass / Band-blocking Type

Cold Mirrors (45°)

KG1 Heat Glass Filters

Hot Mirrors (0°)

Neutral Density Filters - Gelatin Type, Glass Type, Metallic Type

UV + IR absorption Filters Glass Type - Short-pass Filters, Long-pass Filters

UV transmitting Filters - Glass Type

Visible Transmitting Filters/Some UV-Glass Type

#### [Diffusers from Knight Optical UK Ltd](#)

\* Anti-Newton Glass

- Ground Glass Diffusers - LEGB & UV Fused Silica Grades, Visible & NIR Applications, UV & NIR Applications

\* Flashed Opal Diffuser - Diameters, Squares

\* Plastic Screen Diffuser

### Optical Windows

BK7 Windows Quality Grade - Diameters (Uncoated & BBAR Coated), Squares, Rectangles

Borosilicate Window - Polished Grade

Borosilicate - Float Grade

Quartz Window

Sapphire Window

Silicon Window

UV Fused Silica Windows - Diameters (Uncoated & UV AR Coated), Squares

White Float Windows - Uncoated, AR Coated, ITO Coated One Side

Windows - B270 Glass

### Optical Flats

Fused Silica Type - Flat 1 side-Lambda/4, Flat 1 Side-Lambda/10

Pyrex type - Flat 1 side-Lambda/4, Flat 1 side-Lambda/10

Zerodur type

### Optical Mirrors

Concave Mirrors - Quality Grade

Concave Lamp Reflectors

Elliptical Plane Mirrors

Plane Mirrors - Precision Grade (Lambda/10), Precision Grade (Lambda/4), (1 Wave Over 25mm), General-Purpose Grade

### Optical Beamsplitters

\* Plate Beamsplitters Precision Grade (Lambda/4) - Visible 50/50, NIR 50/50

\* Plate Beamsplitters General-Purpose Grade - Visible 50/50, NIR 50/50, Visible 33/67

\* Plate Beamsplitters - Economy Grade - Visible 40/60

\* Cube Beamsplitters - Visible Grade

### Optical Prisms from Knight Optical UK Ltd

Beam Dividers and Fresnel Prisms

Dove Prisms

Deviation Prisms - Penta

Dispersing Prisms - Equilateral Type

Dispersing Prisms - Pellin-Broca Type

Inverting Prisms - Amici (Roof Prism)

Inverting Prisms - Porro

Rhomboid Prisms

Right-angle Prisms (BK7) - Standard Grade

Right-angle Prisms (UV Fused Silica) Precision - Uncoated, Protected Grade

Wedge Prisms

Corner Cube Prisms - Unmounted Corner Cube Prisms, Mounted Corner Cube Prisms

Right-angle Prisms (BK7) Precision Grade - Uncoated, BBAR Coated/ Entry + Exit Faces,

Aluminium Coated+Protected/ Hypotenuse,  
Reflector/ Aluminium Coated on Hypotenuse

External

### Optical Polarizers

Circular Polarizers (HNCP37) - CAB Lamination, Acrylic Lamination  
Cube Polarizers - Visible Grade, NIR Grade  
Sheet Polarizers-UV and IR Range  
Crystal Polarizers  
Sheet Polarizers Visible Range - HN22 Sheet Polarizer, HN32 Sheet Polarizer, HN38 Sheet  
Polarizer, HN38S Sheet Polarizer,  
HN42 Sheet Polarizer, HN42HE Sheet Polarizer

### Optical Retarders

Achromatic Retarders  
Plastic Retarders  
Quartz Retarders - 1/4 Wave Plate, 1/2 Wave Plate  
Mica Retarders - 1/4 Wave Plate, 1/2 Wave Plate

### Optical Gratings, Graticules and Apertures

Apertures Precision Grade - Precision Pinholes (in 16mm Mount), Precision Slits (Unmounted  
10mm Foils)  
Apertures Standard Grade - High Power Pinholes, Standard Series Pinholes, Standard Series Slits  
Diffraction Gratings - Ruled - Research Range, Holographic Research Range, Commercial  
Range  
Bar Gratings  
Resolution Charts  
Graticules / Reticules - Eyepiece Type, Stage Type  
Iris Diaphragms

### Optical Accessories and Optro Mechanics

Optical Filter Wooden Storage Boxes  
Opto Mechanics - please call for our capabilities

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