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instrumentation and supply chain  
experience today!

## KO | BRINGING QUALITY INTO FOCUS

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### Precision Colour Glass Filters for Inline Cameras

**Knight Optical** can offer you Stock and Custom Colour Glass Filters, for use within Inline Cameras in a range of materials of brands such as Schott, Kopp and CDGM. Depending on the achievable wavelength and desired affect you need for the Inline Camera we can find a suitable material for your application.

**Colour Glass Filters** are good for selecting a particular wavelength to be absorbed so that the high out of band blocking is achieved. With regards to the use in Inline Cameras, Colour Glass Short pass Filters are more desirable as they cut out the IR wavelengths mean the imaging is not saturated with the IR giving the image better clarity.

**Colour Glass Filters** are polished sheets of special glass that have been cast with a dye. Colour Glass Filters generally are relatively cheap and very stable. The disadvantage with them is that they are only available in a relatively small number of variants, and so can be restrictive in shortwave selection.

This stock range of colour glass filters range from 25mm dia to 50x50mm square. All the filter types are available in a custom size and thickness to ensure it meets the needs of your application.

#### Typical specs:

<b>Material:</b>	Colour glass
<b>Diameter:</b>	+0.0 / -0.20 mm
<b>Length / width:</b>	± 0.20 mm
<b>Thickness:</b>	± 0.20 mm
<b>Surface quality:</b>	<60-40 scratch/dig
<b>Parallelism:</b>	<3 arcmin

#### Options Available:

##### Mounting of diameters and squares.

- Antireflective coatings can be applied to one or both faces for improved transmission.
- Cutting down or edged to special shapes and sizes at short notice.
- Larger sheets available for larger custom sizes.
- Available in sets, supplied in a wooden storage box for research and laboratory use.

#### Documents and drawings:

[Filter set pdf showing all colour glass shortpass filters from 465-611nm](#)

[Filter set pdf showing all colour glass shortpass filters from 662-716nm](#)

**All our Colour Glass Filters are checked for quality in our state-of-the-art** Metrology laboratory using our Varian Cary 5000 spectrophotometer's fitted with UMA, allowing 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 Colour Glass Filters and superior service can improve your instrumentation and supply chain experience.

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