

## KO | BRINGING QUALITY INTO FOCUS

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### Absorptive glass neutral density filters

[Glass Neutral Density](#) filters attenuate light by absorption just like the gelatine neutral density filters. Glass ND Filters are more robust and tend to have more uniform absorption characteristics. They also attenuate by absorption and so care must be taken to avoid overheating. Attenuation is achieved by polishing glass to the correct thickness.

Knight Optical offers stock absorptive ND filters in 12.5mm and 25mm diameters, and 50x50mm squares manufactured from high quality glass. Each filter is available with blocking between 0.1 and 4.0 OD and are available to purchase direct from this page.

In addition to our stock absorptive glass ND filters, Knight Optical also offers an extensive custom optic service thanks to our many years of experience in the industry. We can supply ND filters cut to sizes and shapes to fit individual application and mount filters where applicable.

#### Specification

Material:	Colour Glass
Optical density :	± 12.5% (@546nm)
Diameter:	+0.0 / -0.2 mm
Length / width:	± 0.2 mm
Thickness:	± 0.1 mm
Surface quality:	<a href="#">&lt;60-40 scratch/dig</a>
Flatness:	<2.5λ over 90% test area
Parallelism:	<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.
- Available in sets, supplied in a wooden storage box for research and laboratory use.

#### See also:

##### Neutrel density filters

[Gelatine neutrel density filters](#)

[Mounted absorptive glass neutrel density filters](#)

[Metallic neutrel density filters](#)

[Mounted metallic neutrel density filters](#)

[Neutrel density filter sets](#)

**All our Light Guides are checked for quality in our state-of-the-art** Metrology laboratory 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 Mirrors and superior service can improve your instrumentation and supply chain experience.

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- View our [QA and metrology information](#)
- Watch our [Corporate Video](#)

- [View Our Corporate Brochure](#)