

KO | BRINGING QUALITY INTO FOCUS

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Dichroic Filters for Medical Analysers

Looking to improve your medical system? Then look no further. **Knight Optical** presents to you their Dichroic colour filters range.

These Dichroic colour filters are typically used in scientific instrumentation or/and medical systems in particular palm vein scanners, ophthalmic diagnostics, professional eye care equipment from optical equipment or ophthalmic instruments.

Our Dichroic filters:

- Have a hard dielectric coating and are designed to offer high transmission over a specific wavelength while reflecting all other wavelengths.
- Offer superior contrast between transmitted and reflected wavelengths. Having a dielectric coating they are perfect for high power applications and do not show the strong fluorescence of certain glass filters.
- Are temperature resistant and can be used to reflect heat away from hot lighting systems in addition to their colour correcting properties, unlike traditional polyester type colour filters that melt and distort under thermal conditions.

We hold a massive inventory of [Bandpass](#), [Long pass](#), [Short pass](#), [Band-blocking](#) and [Color-correction filters](#).

- Stock sizes of 12.5mm, 25mm dia and 50x50mm squares x 1mmthk.
- Custom shapes and sizes at short notice, in most cases turned around within 1 week.
- Coated on Borofloat substrates for excessive thermal shock applications.

Typical specs:

Material:	Borosilicate or equivalent, Sodalime
Diameter:	+0.0/-0.20 mm
Length/Width:	+/- 0.25mm
Thickness:	+/-0.20mm
Wavelength:	300nm-1200nm dependant on type
Wavelength Accuracy:	+/- 5nm
Transmission:	Tmax=95% dependant on type and substrate

All our Dichroic 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 Dichroic Filters 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](#)