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KO | BRINGING QUALITY INTO FOCUS

Metallic ND Filters for use in Photographic Applications

KO can offer [Metallic](#) Neutral Density [Filters](#) for use in Photographic Applications.

We supply a range of Metallic Neutral Density (ND) Filters for a variety of applications – all individually QA checked and metrology tested for quality to ensure parts meet customers’ specifications. What’s more, our Metallic ND Filters are supplied in a range of sizes and shapes with custom coatings tailored to meet your individual applications.

Our Metallic ND Filters reflect (with a metallic coating) light neutrally over a wavelength range (typically visual). They can be used to lower the intensity of light prior to the image plane.

These are often used in photography, allowing photographers more flexibility with their setups to achieve desired effects. Often, an ND filter will be used in conjunction with a long exposure to prevent washed-out and overexposed images. They can also be used to add motion blur, reduce depth of field and to use a wider aperture.

For more information read PDF...

Our Metallic ND filters comprise a partial mirror layer on a Borosilicate or UV Fused Silica substrate. Metallic ND filters reflect light rather than absorb it and; therefore, circumvent heating problems often associated with absorptive filters. That said, the reflected light will need to be considered for individual systems.

Typical specs:

Shapes:	Circular Filters, Square Filters
Dimensional Tolerances:	+/- 0.1mm
Parallelism:	< 1 arcminute
Flatness:	< 5(1) @ 632.8nm
Surface Quality:	< 40-20 Scratch/Dig

All our Metallic Neutral Density Filters are fully inspected on their quality in our ISO 9001-certified, state-of-the-art Metrology laboratory, using our Cary 7000 UMS. This allows 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 Metallic Neutral Density Filters and superior service can improve your instrumentation and supply chain experience.

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