

Dichroic Beamsplitter

Dichroic beam splitters separate the incoming light into a transmission and a reflection range. Steep edges allow this separation within a few nanometers. The beam splitters are free of absorption and guarantee highest values in transmission and reflection.

The design is based on dielectric oxide layers, produced with the Reactive Low Voltage Ion Plating Process (RLVIP). RLVIP beamsplitters are optically stable and practically indestructible even under the harshest temperature and environmental conditions. They guarantee a long service life. The filters can be manufactured in any shape, spectral characteristic and for any angle of incidence.

Properties

- High reflection and excellent transmission in the desired spectrum
- Steep slopes
- Lowest self-fluorescence
- Temperature stable up to 400°C
- Dense layers that do not absorb water = tropicalized
- Extremely long service life

Technical data

AOI:	45° standard, other angles on request
Material:	Fused Silica or Borofloat
Thickness:	acc. to customers' request, standard = 1,0 mm
Surface:	acc. to DIN 3140 or MIL-Spec
Humidity:	acc. to DIN 3140 or MIL-Spec
Hardness:	acc. to DIN 3140 or MIL-Spec

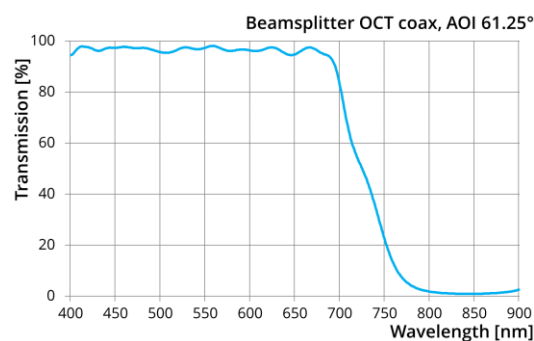
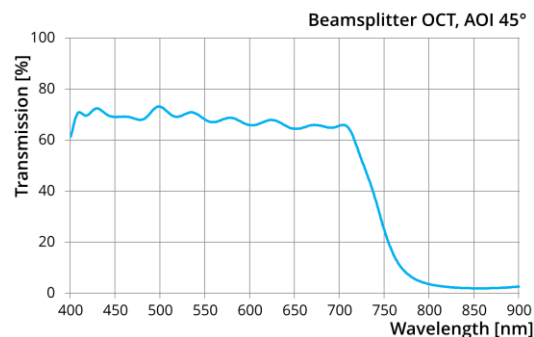


Beamsplitter OCT

Applications

- Reader, barcode scanner
- Optical measuring instruments, spectroscopy
- Optical sensors
- Colour printer
- Operating microscopes

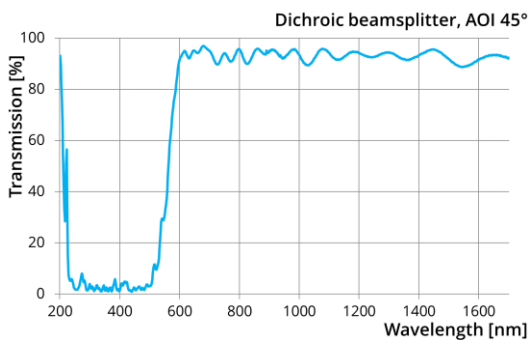
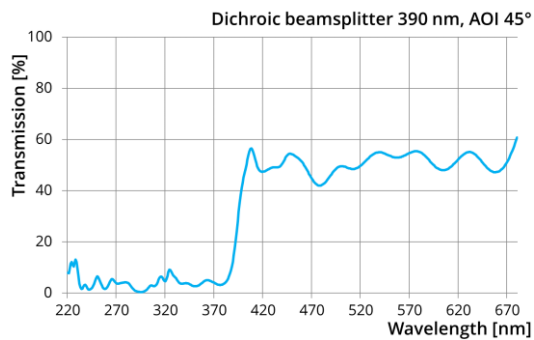
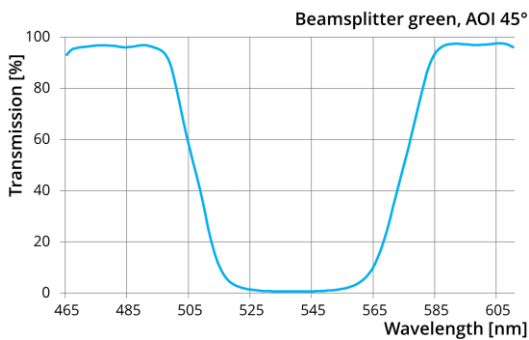
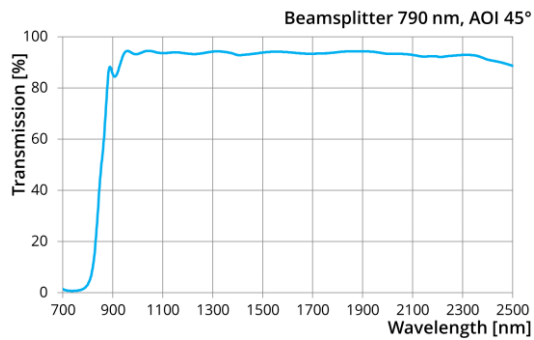
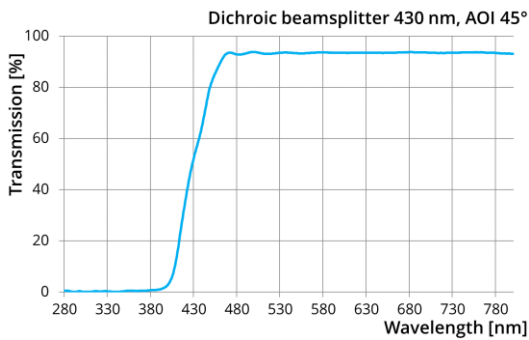
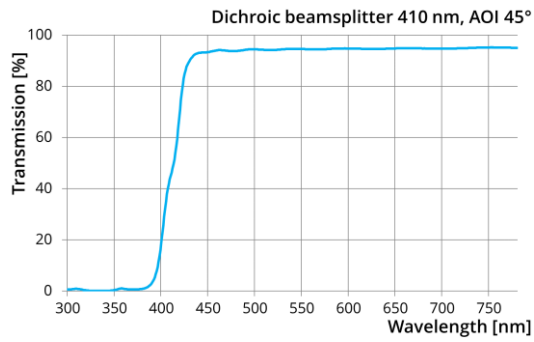
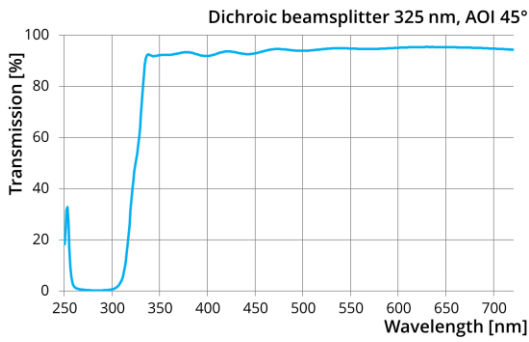
Typical curves:



FILTRÖP GROUP –
your supply chain

FILTRÖP AG
Landstrasse 16
9496 Balzers | Liechtenstein
Phone +423 388 11 50
Fax +423 388 11 55
info@filtrop.com
www.filtrop.com

NANOSOL AG
Landstrasse 16
9496 Balzers | Liechtenstein
Phone +423 375 79 50
Fax +423 375 79 55
info@nanosol.com
www.nanosol.com



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FILTROP AG
Landstrasse 16
9496 Balzers | Liechtenstein
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Fax +423 388 11 55
info@filtrop.com
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NANOSOL AG
Landstrasse 16
9496 Balzers | Liechtenstein
Phone +423 375 79 50
Fax +423 375 79 55
info@nanosol.com
www.nanosol.com