

## 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.

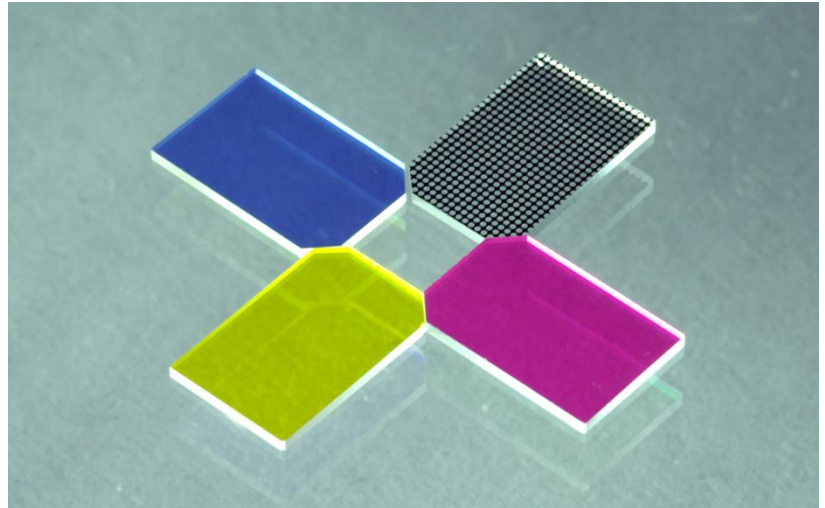
The design is based on dielectric oxide layers, produced with the Reactive Low Voltage Ion Plating Process (RLVIP). RLVIP beamsplitters are optically stable and practically indestructible even under the harshest temperature and environmental conditions. They guarantee a long service life. The filters 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

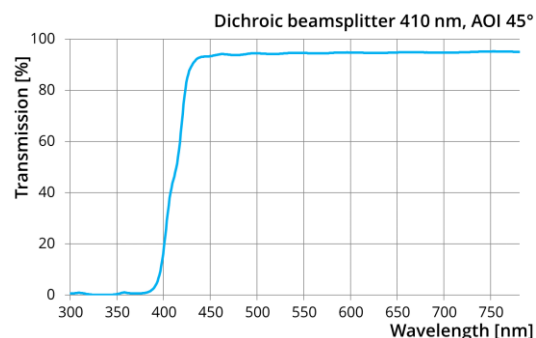
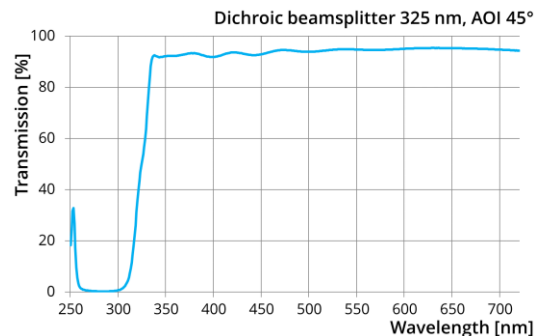


Beamsplitter

### Applications

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

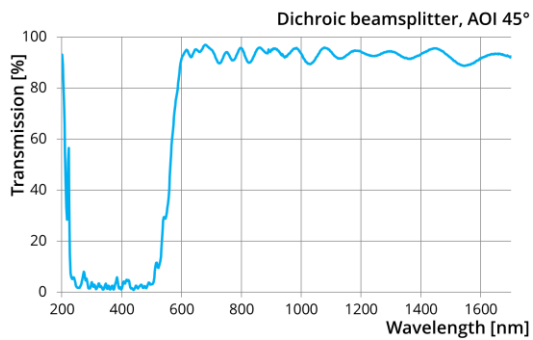
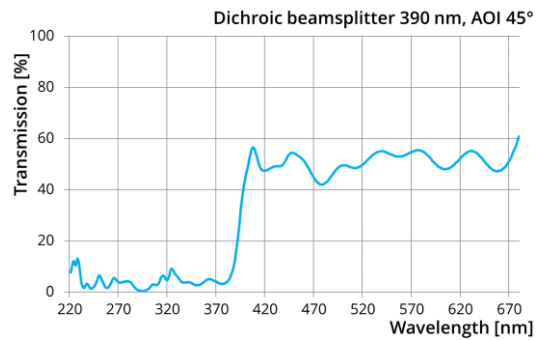
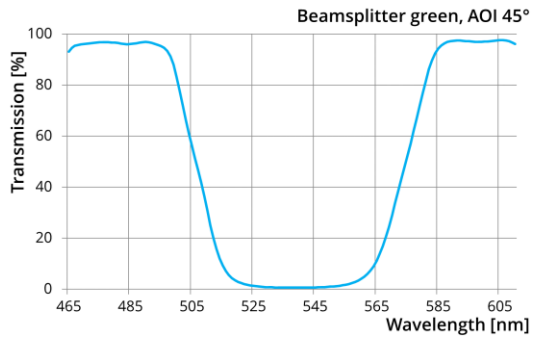
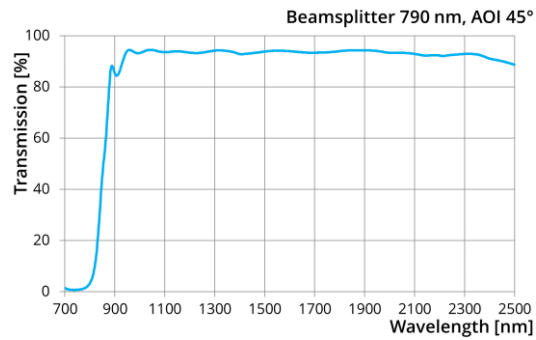
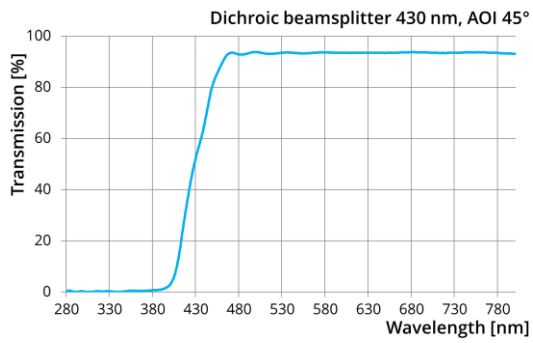
### Typical curves:



FILTROP GROUP –  
your supply chain

**FILTROP 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



FILTROP GROUP –  
your supply chain

**FILTROP 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