

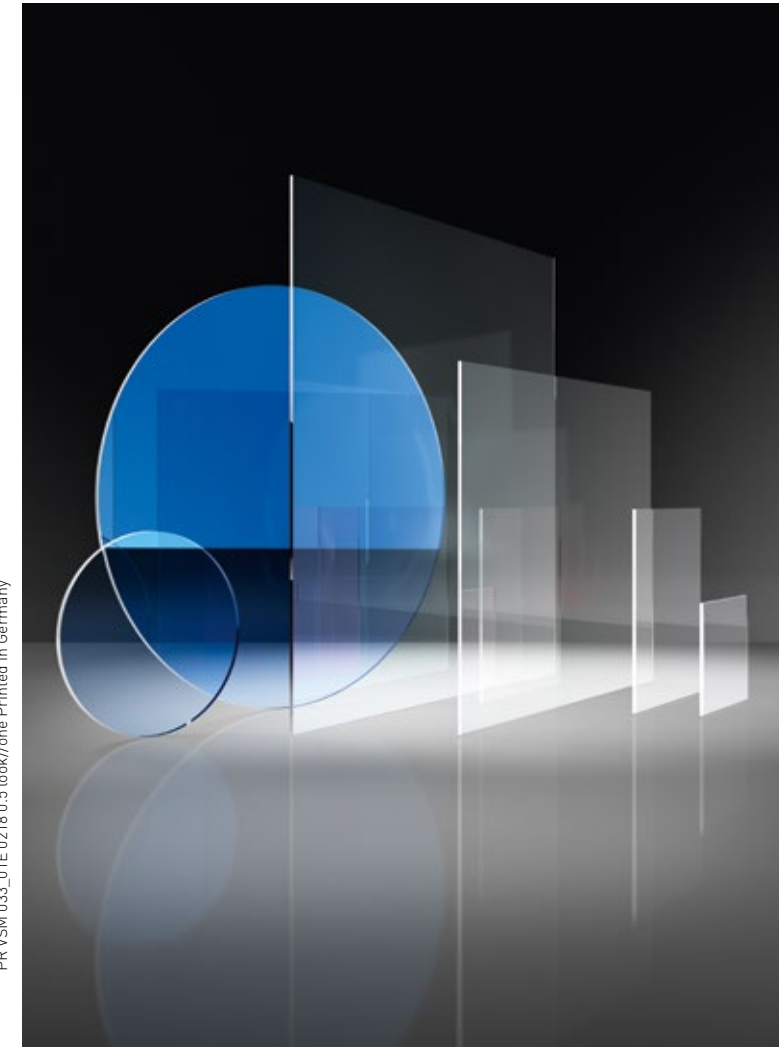
Our Expertise for Your Success

Auer Lighting is your reliable partner for high-tech coatings and glass elements.

- Designing optical components with and without coatings
- Tailored coating designs
- Simulation and verification of optical elements
- Adaption of our vast metrological equipment to your needs
- Advanced process capabilities towards highly reliable delivery
- Rapid prototyping supporting your time to market needs

Auer Lighting GmbH
Hildesheimer Straße 35
37581 Bad Gandersheim
Germany
T +49 (0) 5382 701-0
F +49 (0) 5382 701-451
info@auer-lighting.com
www.auer-lighting.com

ADVANCED COATINGS



Dichroic Optical Coatings Optimized for your Requirements

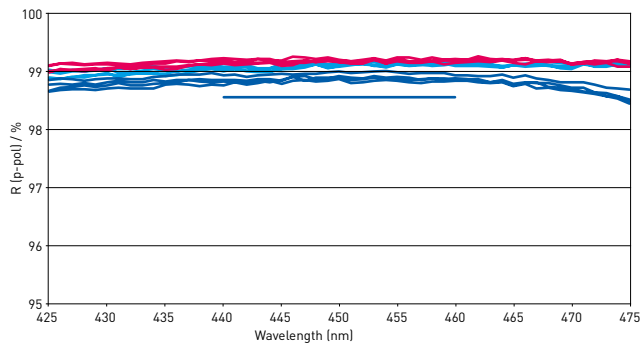
Coatings for Laser Diode Applications

Auer Lighting offers standard and customized coatings for laser diode (LD) applications. Typical fields of application are digital projection and high end imaging technologies.

Selective Anti-reflex Coatings

Auer Lighting's wavelength adapted anti-reflex coatings are used to minimize reflection losses and realize transmission > 99%.

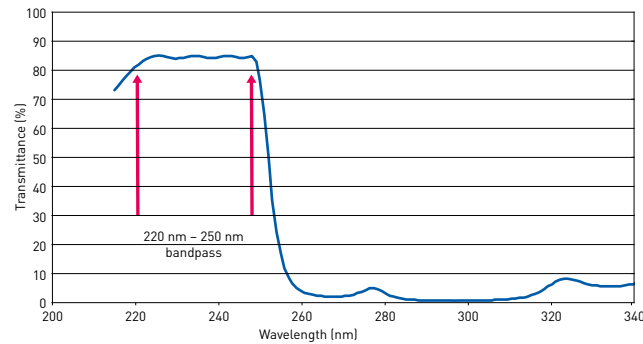
Small Band Mirror for LD



Coatings for UV Applications

UV applications desire special coatings. Auer Lighting supplies coatings for wavelengths down to 220 nm. The key technology for these complex filters are sputtered hafnium oxide layers with excellent optical performance.

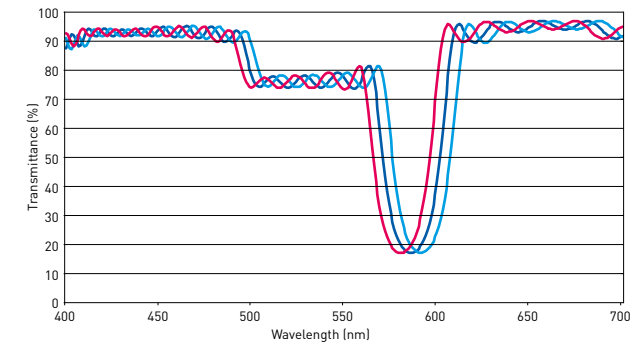
Transmittance of a UV bandpass filter designed for 220 nm – 250 nm



Color Tuning Filters

For the color tuning of projection systems we offer notch and double notch filters. These sophisticated filters perfectly match your specific requirements, no doubt for laser systems as well.

Theoretical Curves for a Notch Filter



Properties

- Temperature stable up to 1.000 °C
- Accurate edge positions within ± 2 nm
- No color shift
- High flexibility regarding substrate choice