

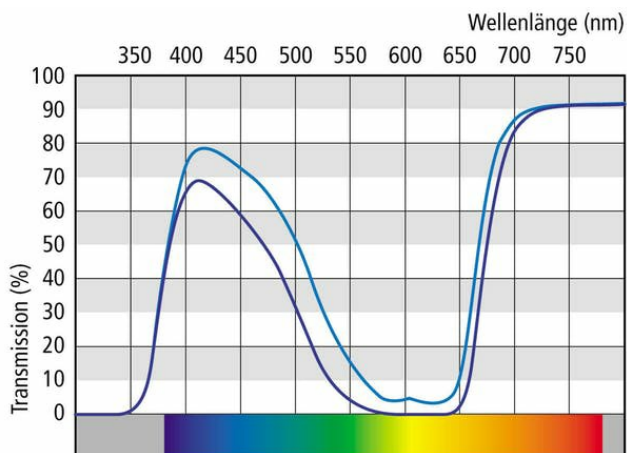


F 451-452

The filter for blue cone monochromatism

The blue special filter lenses F 451 and F 452 absorb selectively. They have been specially developed for patients with blue cone monochromatism. They display a transmission of less than 20% in the range of visible radiation from 550 nm to 650 nm.

1. Marked Improvement in Acuity for Patients with Blue Cone Monochromatism



Transmission curves for F 451 and F 452

Blue cone monochromatism is a very rare eye disease in which only the function of the rods and the blue cones remains.

The blue filter lens F 451 and the dark blue filter lens F 452 can be used to achieve a marked increase in contrast sensitivity, acuity and twilight acuity.



Filter Clip with Special Filter Lenses

The filter clip is glazed with Clarlet special filter lenses with plano power. They can be attached to practically any spectacle frame without difficulty. The filter clip can be used as a supplement to existing Rx spectacles, are easy to handle and allow fast filter change if different filter colours are to be used. When not required, the clip can be folded upwards via a spring mechanism in its bridge support.

2. Filtercategories for F 451/452

Lens Type	Category as per DIN EN ISO 8980-3	Solar UV absorption	Suitability for traffic and driving at night and in twilight as per DIN EN ISO 14889
F 451	Category 2	100% solar UV-B absorption	Not suitable for use in traffic!
F 452	(57-82%)	>95% solar UV-A absorption	

Tips for the optician

- ✓ Every Special filter lens with the refractive index 1.5 is also available as the special filter lenses F 451 and F 452
- ✓ All coatings except for hard are possible

ZEISS is one of the world's leading manufacturers of spectacle lenses, and is committed to delivering maximum precision and comfort. ZEISS designs and produces lenses, instruments and measurement systems, as well as retail concepts and technology services that continue to raise the bar in vision care.



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