



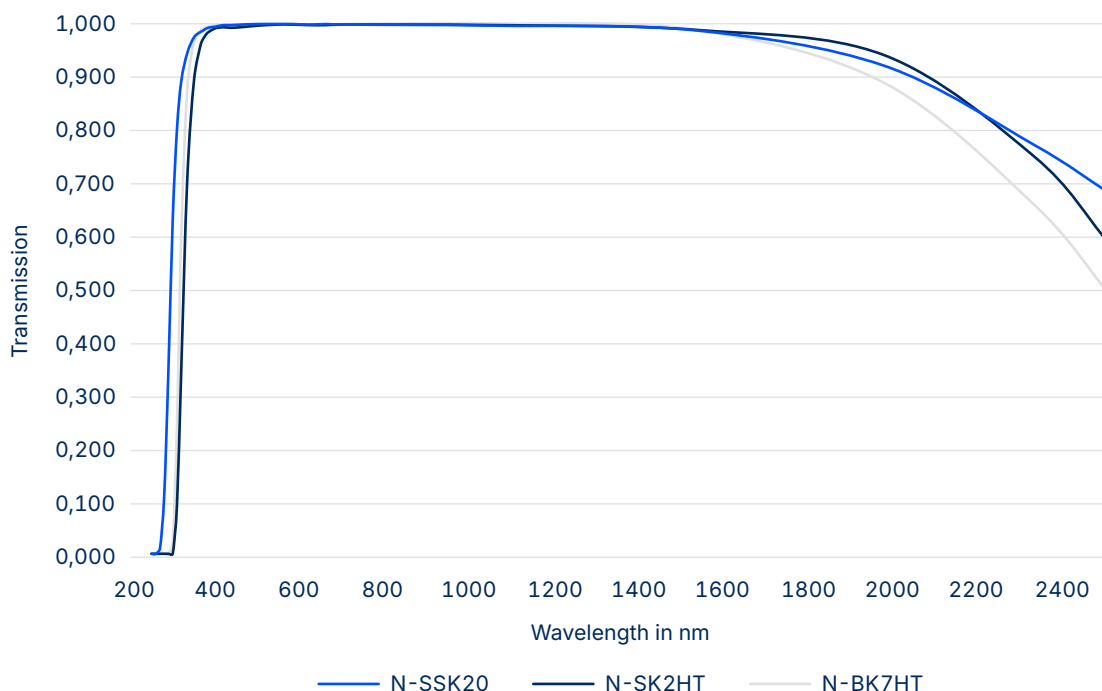
Rod lenses for endoscopy

Advantages working with SCHOTT

- Seamless supply chain from glass (melting in Germany) to finished component (processing at SCHOTT Glass Malaysia) with highest environmental standards. (EHS; zero carbon by 2030)
- Eco-friendly materials, such as N-SSK20, MDR & RoHS conformity and know-how
- High-transmission glass types and optimized coatings enable maximum resolution and contrast, even with a weak signal (for white light imaging, auto fluorescence imaging or even hyperspectral imaging)
- SCHOTT is the R&D and quality leader with a comprehensive portfolio for endoscopy beyond glass
- Strong application engineering team for rapid prototyping and design-to-manufacture support to enable a short time-to-market

N-SSK20/N-SK2HT/N-BK7HT

Internal transmission at 25 mm thickness



- Constant batch to batch variation in n_d/v_d position
- Lead free to support MDR & RoHS conformity
- High transmission in the blue spectral range
- Good chemical resistance

Rod lenses for endoscopy

Dimensional specs and metrology

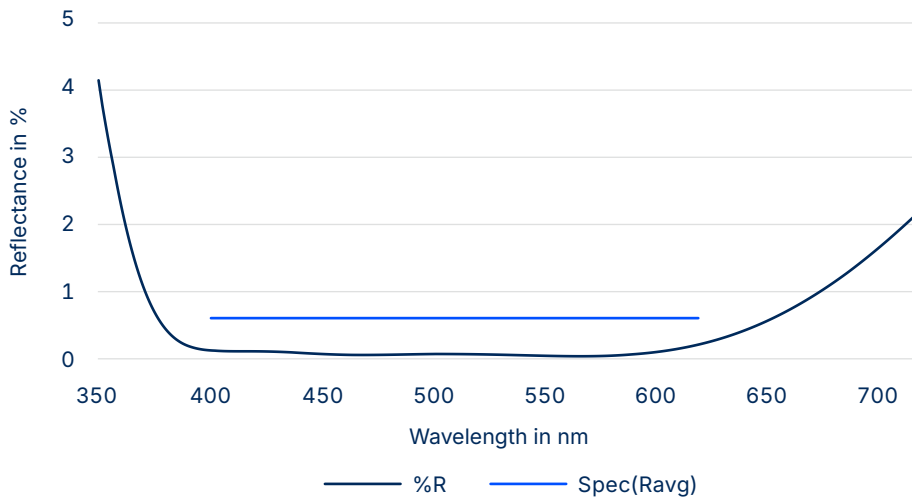


- Dimensions: \varnothing 2,8 – 20 mm (\pm 0,01) x 10 – 50 mm (\pm 0,015)
- Optical specifications: (3/ 1(0,4/-); 4/2'; 5/ 2x 0,015)
Chamfer > 0,02; Roundness 0,04
- Metrology: 100 % automated quality control to guarantee reliable mass production

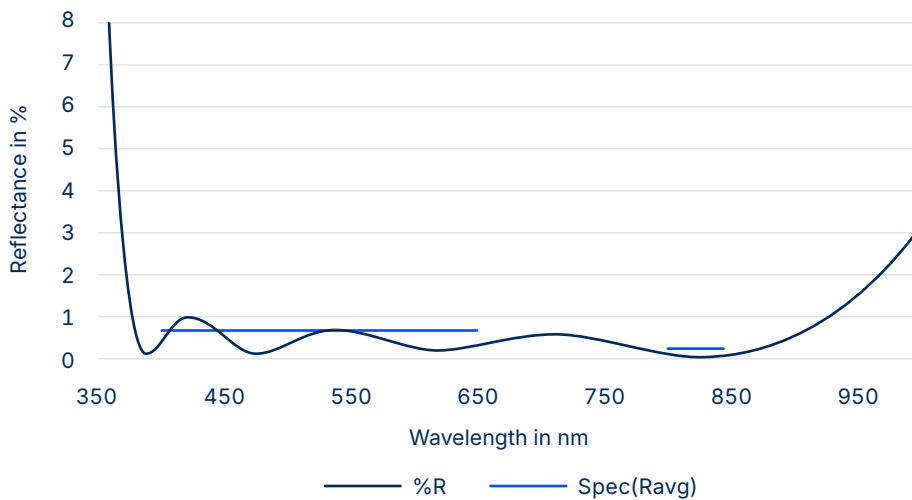
Customized specs upon request

Coatings

Coating broadband AR for white light imaging (Ravg < 0,5%)



Coating broadband AR for auto fluorescence imaging



Ravg < 0.7 % @ 400 – 650 nm
Ravg < 0.25 % @ 790 – 840 nm

Note: According to ISO 9211-4. Given is a typical spectral curve. Customized specs upon request

[schott.com](https://www.schott.com)

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