SCHOTT® Illumination Homogenizer
Glass clad hexagonal mixing rods provide uniform LED and laser light illumination

**Performance Characteristics**
- Optical clad material enables simple installation and mounting
- Improved transmission over polymers in the visible spectrum
- Operational temperatures up to 350ºC
- Geometry optimized for uniform intensity distribution
- Improved speckle noise
- Customized input geometry to match launch conditions
- System matched numerical apertures available
- Custom sizes available
- Compatible with common optical coatings (AR, HM, ITO, etc.)

**Sample Applications**
Illumination Homogenizers can be used in:
- Medical imaging systems
- Laser targeting
- Industrial inspection systems
- RGB projection systems
- Medical sensors & detectors.

**Product Specifications**
- Numerical Aperture: 0.4, 0.28, 0.35 up to 1.0
- Diameters up to 10mm, most common
- Material optical characteristics enable mixing rods from 340-1800nm
- Length to diameter aspect ratio of mixing rod, 20.1 typical for uniform mixing
Reference transmission of 2" long clad mixing rod
(material 75C, NA 0.58, 3.4mm hex)

Transmission vs. Wavelength (nm) chart