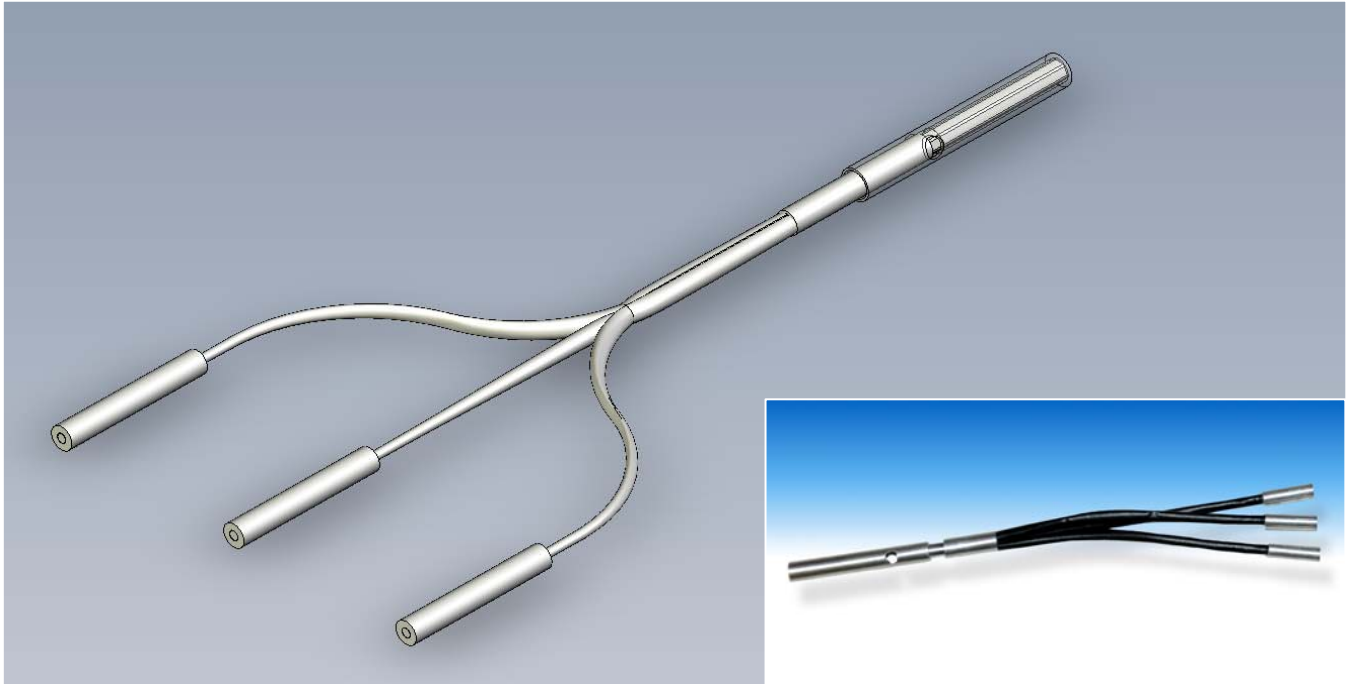


SCHOTT® Multi-spectral Homogenizer

Randomized glass optical fiber bundles with high efficiency glass clad mixing rods provide uniform multi-spectral illumination.



Performance Characteristics

Optical clad of mixing rod enables simple installation and mounting

Improved transmission over polymers in the visible spectrum

Operational temperatures up to 100°C

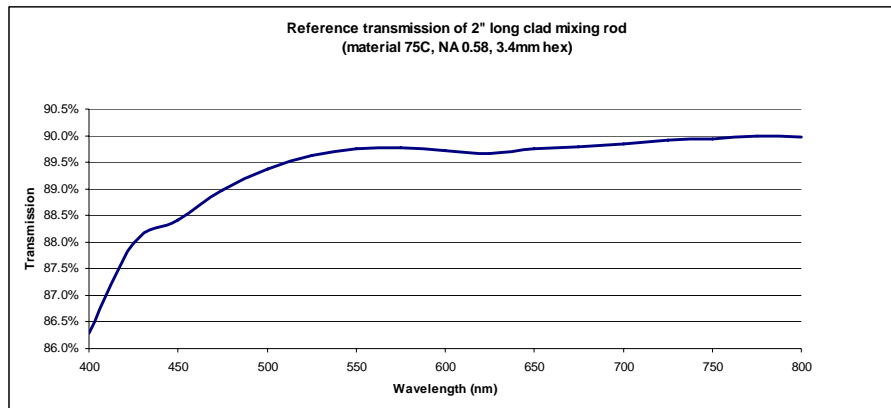
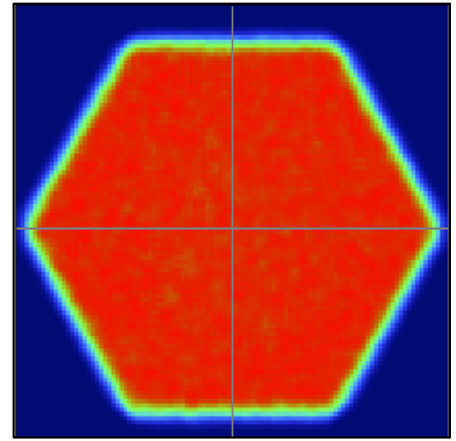
Mixing rod geometry and NA optimized for uniform intensity distribution

Multi-legged input customized for application

Customized input geometry to match launch conditions

System matched numerical apertures for bundle and mixing rod

Custom sizes available



Fiber optic Multi-spectral homogenizer illumination assemblies provide highly customized lighting solutions for defense, medical, and industrial applications. Available in both rigid conduit and flexible fiber bundle versions, these systems can be readily bent and shaped to conform to a prescribed light path.

Product Specifications

- Numerical Aperture: 0.14, 0.28, 0.35, up to 1.0
- Diameters up to 10mm available
- Material optical characteristics enable mixing from 340 – 1800nm
- Length to diameter aspect ratio of mixing rod, 20:1 typical, for uniform mixing
- Rigid and flexible inputs available
- Two or more input legs available upon customer request

Sample Applications

- Medical imaging/illumination systems
- Laser targeting
- Industrial inspection systems
- RGB projection systems
- Medical sensors and detectors

For more information please contact

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