In-line Fiber Speckle Reducer (Beam Homogenizer)



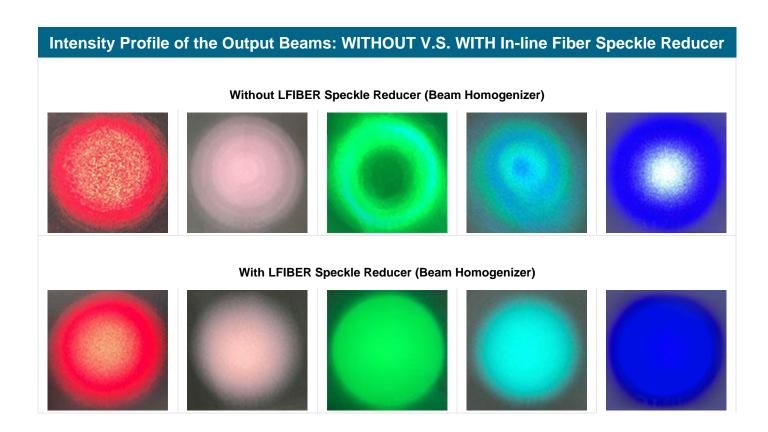
FEATURES

- ✓ High Transmission Efficiency
- ✓ In-Line All-Fiber Structure
- ✓ Small and Compact Designs
- ✓ High Reliability and Stability

APPLICATIONS

- Reduce Laser Speckle Noise (Hot Spots)
- ➤ Eliminate Striations and Beam Non-uniformity
- ➤ Beam Homogenizing
- Laser Material Processing

LFIBER's in-line fiber speckle reducer (or beam homogenizer) is an all-fiber passive component which can efficiently homogenize speckle pattern and reduce unwanted modal noise (striations, hot spots, and beam non-uniformity) within a multimode optical fiber, producing a stable output beam that has fewer speckle hot spots and more uniform energy intensity profile.





More support, visit: www.lfiber.com
Email: sales@lfiber.com

Specifications of In-line Fiber Speckle Reducer (Beam Homogenizer)	
Fiber Core/Cladding (µm)	105/125, 200/220, 300/330, 400/440, 600/660, 800/830
Numerical Aperture	0.22
Operating Wavelength (nm)	400-1800 nm
Transmission Efficiency	≥90%
Input/output Fiber Pigtail Length (m)	0.5, 1.0, 1.5, 2.0, etc.
Input/output Connectors	No connectors, SC/PC, FC/PC, ST, SMA905, etc.
Housing/Package Type	Steel tube, or box
Fiber Jacket/Tubing	Bare fiber (without jacket), Φ900μm loose tube, Φ2.0mm or Φ3.0mm cable

Notes:

- 1. For requests please specify the fiber core diameter, numerical aperture (NA), operating wavelengths, operating power, connector types, and input/output fiber pigtail length.
- 2. This in-line fiber speckle reducer (fiber optical beam homogenizer) is customizable and the above specifications are subject to change without notice.

