



## Features

- **Direct Nanoparticle Deposition:** Industry leading fiber deposition process
- **rea/NA:** most accurate fiber core NA to enable superior predictability of fiber performance and minimal splice loss
- **Performance:**  
Low intrinsic and photodarkening losses for highest efficiency and reliability  
Designed to enable single-mode operation for highest beam quality
- **Reliability:** Acrylate coating enables fiber applications in extreme environmental conditions: Proven to operate up to 150°C and in high humidity.
- **Compatibility:** nLIGHT passive fibers matched for minimal splice loss

## Applications

- Medium power cladding pumped fiber lasers and pre-amplifiers
- CW fiber lasers up to 800W
- Industrial, medical and scientific applications

## Typical Fiber Specifications

Fiber		LIEKKI® Yb1200-12/250DC
Optical	Units	
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(2.6)
Cladding Absorption at 920 nm	dB/m	0.6 ± 0.1
Core Numerical Aperture (rea/NA)		0.080 ± 0.005
Cladding Numerical Aperture, ≥		0.48
Core background loss at 1200 nm, ≤	dB/km	15
Geometrical and mechanical		
Core Diameter	μm	12.5 ± 1.0
Core Concentricity Error, ≤	μm	1.0
Cladding Diameter (flat-to-flat)	μm	250 ± 5
Cladding Geometry		Octagonal
Coating Diameter		350 ± 15
Coating Material		Dual coated low index acrylate
Proof Test, ≥	kpsi	100