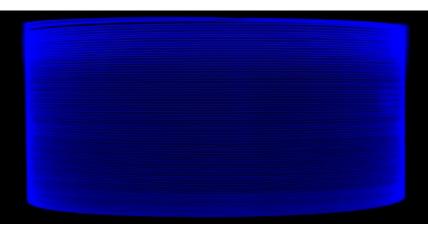


## Yb1200-12/125DC(-PM)

Large Mode Area Double Cladding Ytterbium Doped Fiber



## Features Applications

- Direct Nanoparticle Deposition: Industry leading fiber deposition process
- realNA: most accurate fiber core NA to enable superior predictability of fiber performance and minimal splice loss
- Performance:
  - High pump absorption with low photodarkening loss Designed for high beam quality applications
- Reliability: Coating proven to operate up to 150°C and in extreme humidity
- Compatibility: nLIGHT passive fibers matched for minimal splice loss

## Medium power cladding

- Medium power cladding pumped fiber lasers and preamplifiers
- Pulsed and CW applications in industrial, medical and scientific markets
- IR sources for frequency doubling

## **Typical Fiber Specifications**

Fiber		LIEKKI <sup>®</sup> Yb1200-12/125DC	LIEKKI <sup>®</sup> Yb1200-12/125DC-PM
Optical	Units		
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(11.2)	(11.2)
Cladding Absorption at 920 nm	dB/m	2.6 ± 0.4	2.6 ± 0.4
Core Numerical Aperture (realNA)		0.080 ± 0.005	0.080 ± 0.005
Cladding Numerical Aperture, ≥		0.48	0.48
Core background loss at 1200 nm, ≤	dB/km	25	25
Birefringence, ≥	1E-04	-	1.6
Geometrical and mechanical			
Core Diameter	μm	12.5 ± 1.0	12.5 ± 1.0
Core Concentricity Error, ≤	μm	1.0	1.0
Cladding Diameter (flat-to-flat)	μm	125 ± 2	125 ± 2
Cladding Geometry		Octagonal	Round, PANDA
Coating Diameter		245 ± 15	245 ± 15
Coating Material		Dual coated low index acrylate	Dual coated low index acrylate
Proof Test, ≥	kpsi	100	100

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