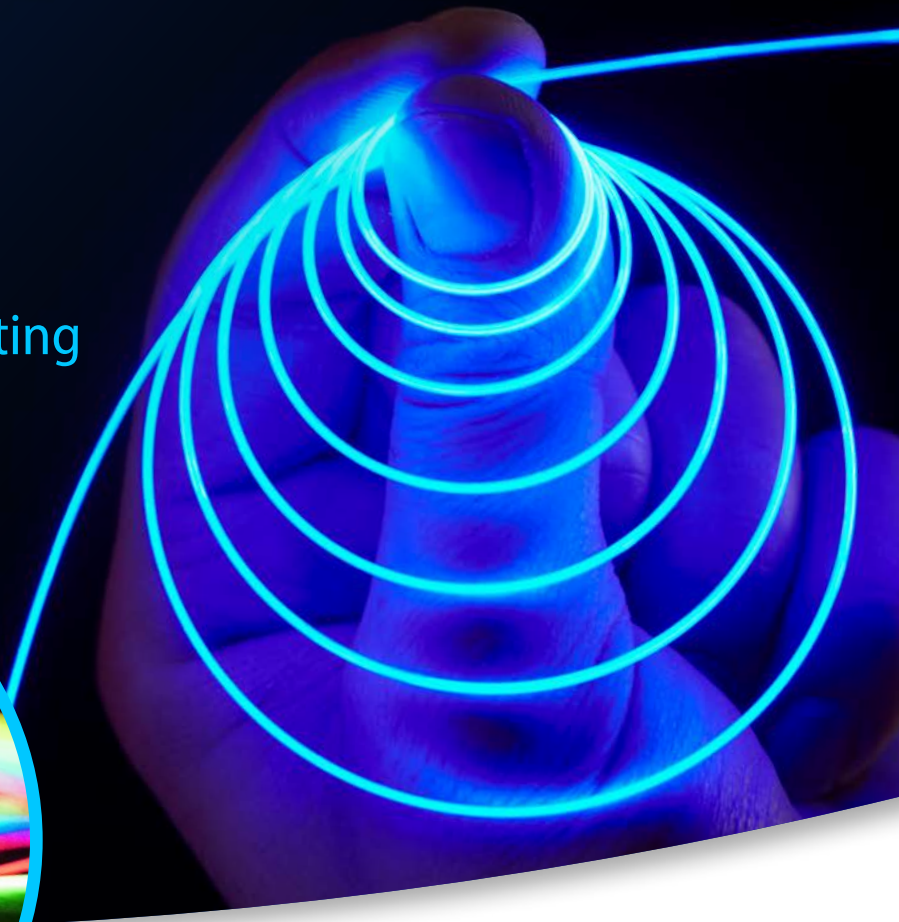


# AmbientFiber®

Enabling Superior Lighting Solutions



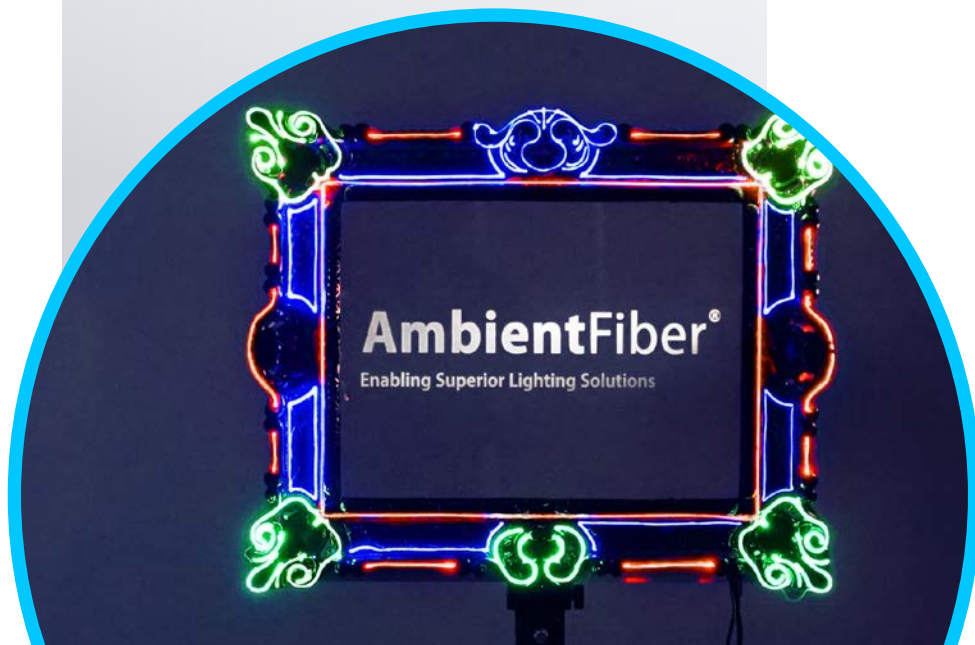
- Create finest lines of light for your individual design
- Easy to install with huge scope for product designers
- Radial emitting fiber for ambient lighting purposes
- Flexible structure
- Operating temperature range -40° up to 150° C
- Chemical resistant
- High quality fused silica for high power light sources
- Appropriate for RGB LED, laser light sources and many more

## Applications

- Automotive
- Interior & Exterior
- Transportation (RollingStock, Maritime, Aviation)
- Emergency & interior lighting
- Architecture
- Electrical Appliances
- Wearables

## Our Service

- End face preparation & Assembly
- Cooperation during pre-development & final product design phase
- Product adjustments and tailor made solutions



**LEONI**

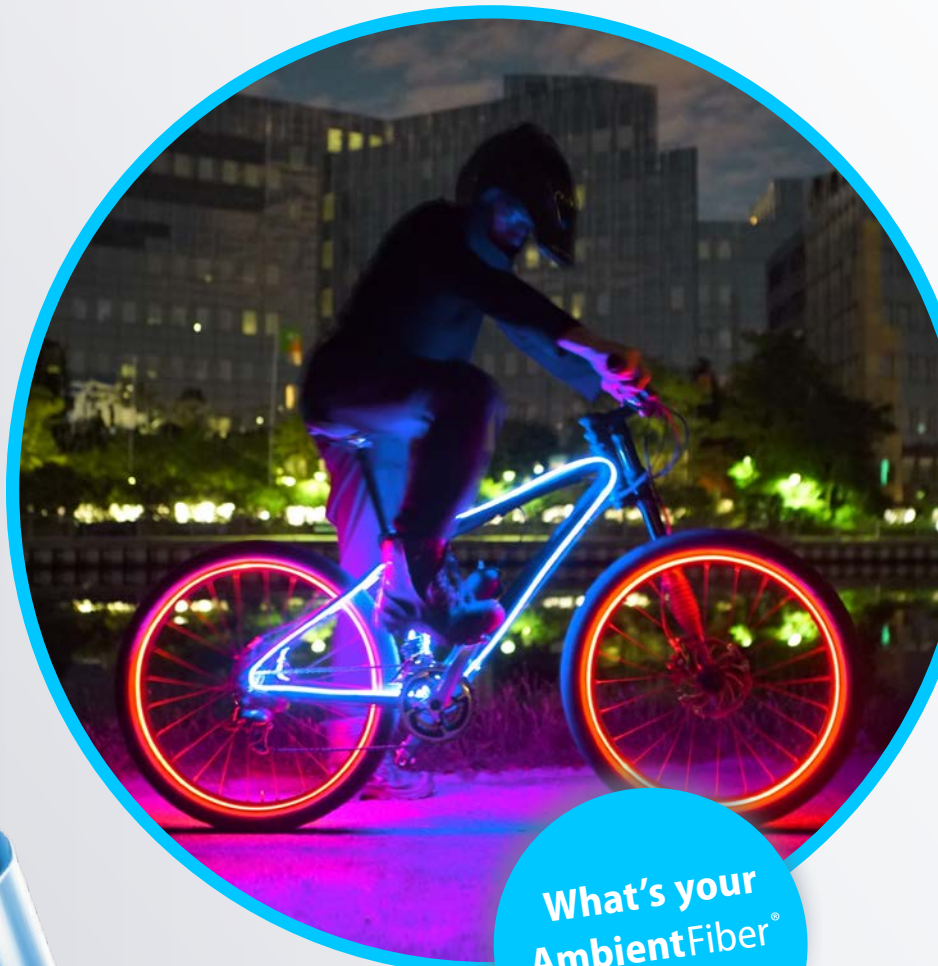
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Fused silica core

Polymere cladding

Jacket



What's your AmbientFiber® application?

NA	Core Ø range (µm)	Clad Ø range (µm)	Outer Ø range (µm)	Long term bending radius range (mm)	Application wavelength	Jacket material
0.37 or 0.5	100 – 1,500	200 – 1,700	400 – 5,000	30 – 400	UV-VIS	Nylon, Tefzel, PVC, PA

	AmbientFiber®	LED chain	PMMA light guide
Homogeneity of light irradiation	😊	😞	😞
Freedom in design	😊	😞	😞
Operating temperature	😊	😞	😞
Photo darkening	😊	😊	😞
Durability	😊	😊	😞
Safety (EMV)	😊	😞	😊

😊 appropriate    😊 partly appropriate    😞 inappropriate

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# LEONI