

## > Light guide

### Catégorie

Polymer optical fiber provided by LUXERI offers a guarantee of professional quality for all of your lighting projects based on optical fiber.

### Définition

LUXERI proposes light guide made up of several polymer optical fibers.

Each light guide is made up of several strands of polymer optical fibers with a PMMA core, a cladding in fluoropolymer, everything is put in a mechanical polyethylene jacket. A light guide can contain between 4 and 64 polymer optical fibers depending on the reference.

The available polymer optical fiber diameters are 265µm and 500µm.

Quality of our fibers is one of the best on the market.

### Technical features

DATA	Light guide	
Material Core / Cladding / Jacket	Polymethyl methacrylate (PMMA) / Fluorinated polymer / Polyethylene	
Refraction structure	Step index type	
Digital aperture	0,5	
Acceptable angle	60°	
Available temperature range	-55~70°C	
Main usages	Communication Light guide	
Available diameters (mm)	Number of fibers	Ø Core – Ø Jacket
	4	0,265 - 1,0
	8	0,265 - 1,3
	16	0,265 - 2.3
	32	0,265 - 2.8
	48	0,265 - 3.0
	64	0,265 - 3.3
	12	0,5 – 3.0
	16	0,5 – 3.3
	32	0,5 – 4.2

**LUXERI** Is specialized for more than 20 years in the sale of products with plastic fiber used in data transmission and in lighting. From the study of complex projects to the sale of quality products thanks to TORAY® fiber, **LUXERI** offers a wide range of products and services aimed at professionals and companies.