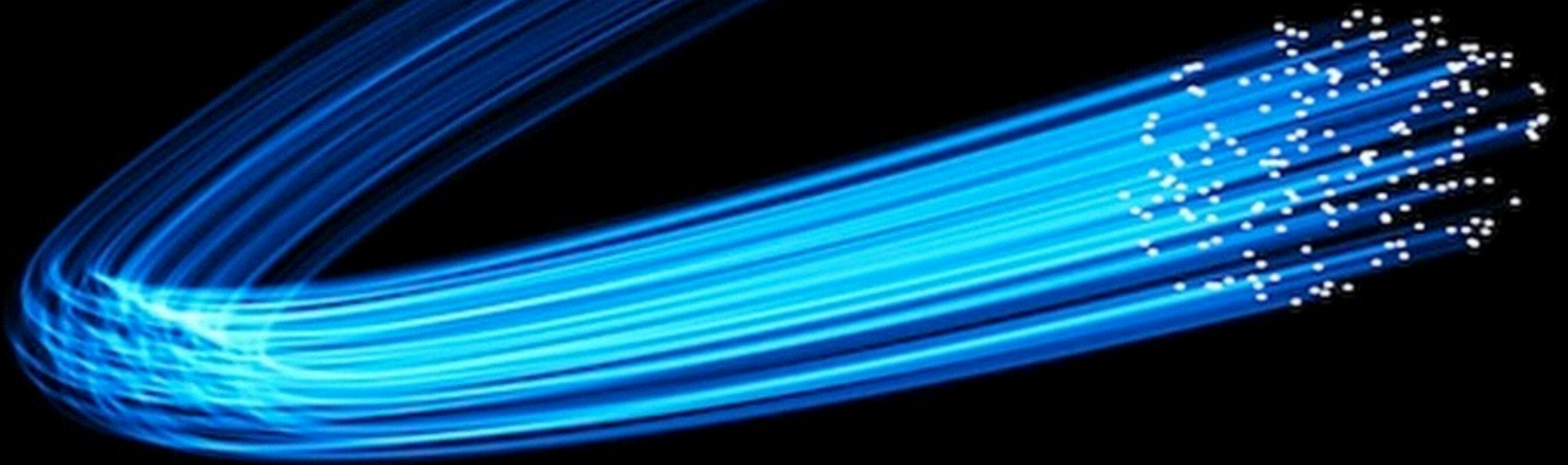


The diffusing optical fibers,
artistic creations



Fiber optic diffusing, a new generation of light

These diffusing optical fibers are 3 - 5 times brighter as the cracked fibers

This exclusive process helps make diffusing PMMA fibers on a selected length. Instead of using the light from the fiber end, and it is homogeneously distributed over the length.

The length of fiber which is located between the source and the illumination point does not lose practically allowing a light flux output flow Broadcast / inflow of the order of 80 %.

The brightness depends on the fiber length and is proportional to its cross section, the fiber diameters can range from 0.25 to 3 mm (i.e. a fiber of 2 mm times 4 illuminates a fiber of 1 mm). To increase the flow returned, we group the fiber cables 7, 19 or 37 fibers.

Our diffusing cables can uniformly illuminate up to 20 meters, fed from one side. To double this length must be supplied by the two ends of the cable. Applying the treatment, we can thus obtain lengths of 50 meters without loss of light in the middle of the cable broadcasting.

Generally, halogen generators or iodide is used for feeding but these optical fibers in some cases, the power LEDs have proved to be ideal.

It is apparent, hidden or integrated into other materials, the optical fiber is essentially decoration to brighten your space with lightness and refinement.

Fiber diffuser fits in all the artistic and architectural achievements.

It is also the ideal solution for brands looking to showcase their products on display or just their name.

Appreciated both for its aesthetic originality for its technical qualities, the optical fiber does not carry electricity and requires no maintenance. It will fit easily in damp and difficult to access, both inside and outside. Emitting no heat, she finally allows you to safely illuminate your most sensitive objects.

Fiber allows increased light points for a single light source. Relatively thin optical fibers require no maintenance or replacement, and can be installed in very narrow and inaccessible to traditional bulbs locations.

The light produced is a cold light without UV radiation and infrared.

Does not carry electricity, fiber optics is the solution to avoid any risk of electrical shock, fire and electrical interference. It may therefore be safe to touch and arrange in wet areas such as bathrooms, swimming pools, spas ... where conventional lighting would be considered dangerous.

The savings achieved by the use of the optical fiber makes its use less than the cost of conventional luminaires after about 2 years. Only the lamp inside the light source require a change after 1500 (source halogen) 50000 hours (LED source), while the fibers on the other hand require no maintenance or replacement.

Optical fiber for lighting

Resolutely innovative, these optical fiber will satisfy contemporary artists who wish to make light curves or even integrate into fibrous materials such as cloth or paper ...



Thierry Mugler Parfums - Clarins Fragrance Group

*This luminous dress was
designed with optical fiber fabric*

3

0.25 mm



Inventiveness Creativities

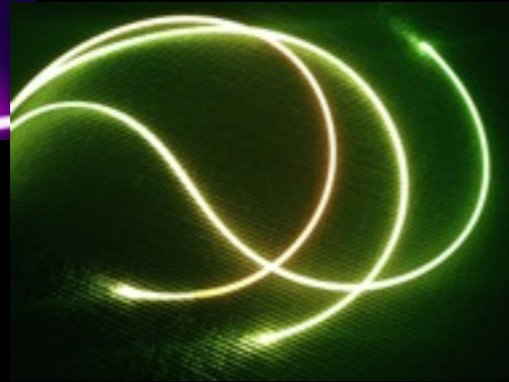
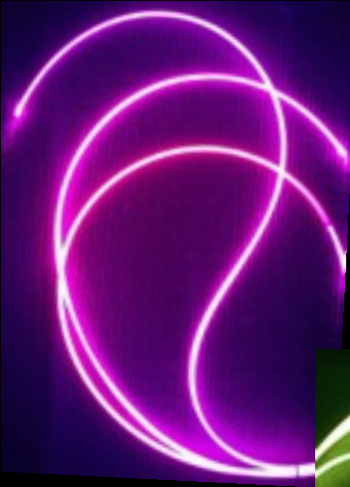


Providing opportunities for almost infinite creation, optical fiber scattering is particularly popular with designers and contemporary artists.



The only limitation is your imagination

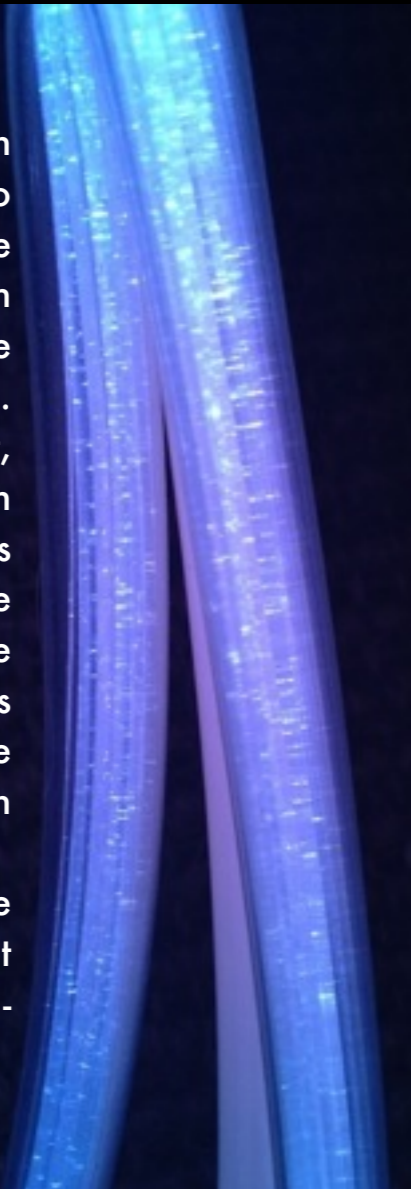
The ideal solution for brands looking to showcase their products on display or just their name.



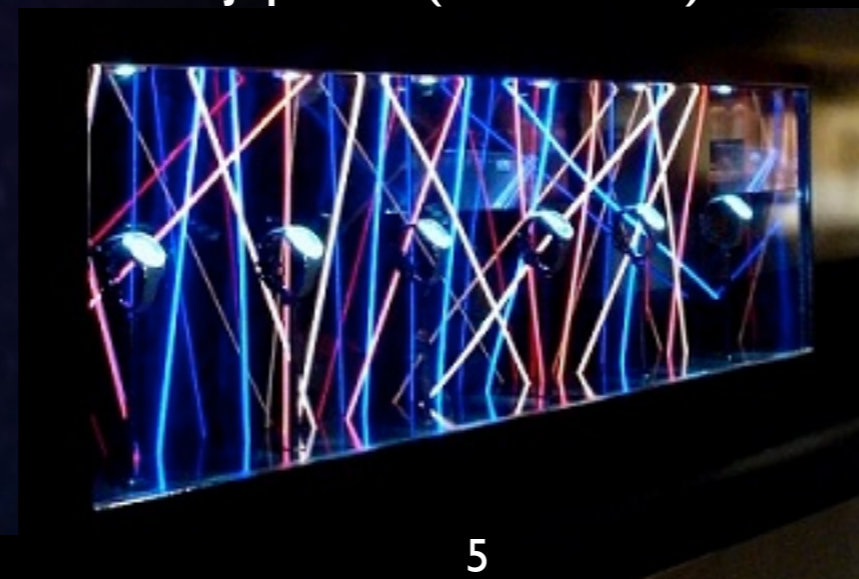
Stands, displays, fund window, promotional items, lighted signage ...



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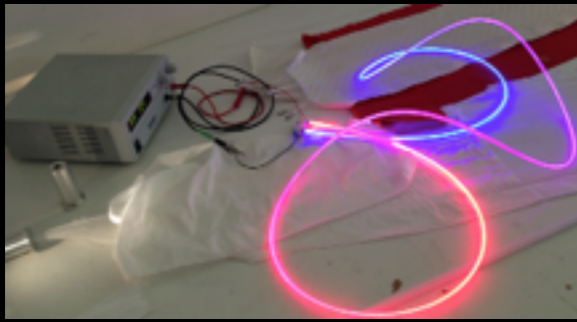
Display case consisting of a plurality of tubes each containing a transparent polycarbonate diffusing optical fiber 2mm / Each fiber is fed by a power 3XIW RGB LED. The LEDs are controlled by a DMX module containing a program defined in advance. Jaquet Droz (BasWorld 2009)



Diffusing optical fibers stretched 2mm using springs. Présentoir Estée Lauder



Diffusing rods 6mm



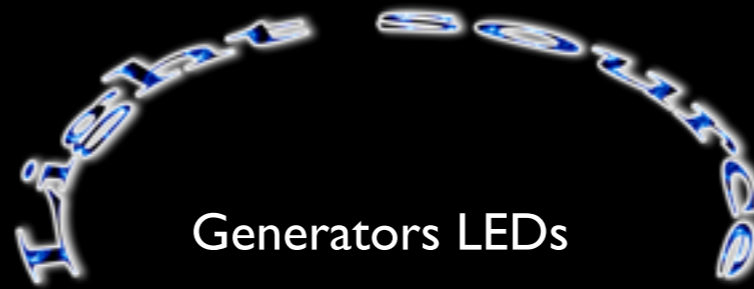
We use more generators to power the LEDs diffusing optical fibers for two reasons: their functionality and their technical properties.

Indeed, whatever their characteristics, advantages of these generators LEDs remain the same, namely: high efficiency, perfect homogeneity, no maintenance because no lamp to change (unlike conventional generators) for silent operation no ventilation (unlike conventional generators), lifetime of wear.

The number of LEDs included in a generator may range from 1 to 12 and the maximum cross-section contained in the collector nozzle is 10 mm, for example 3 or bundles of optical fibers 19.1 mm.

According to the desires of our customers, we can provide generators emit a single color (monochrome generator) or several colors (RGB generator).

To adjust the brightness and vary the texture colors RGB generators, we use DMX control devices (or DALI) and infrared remote control or HF (High Frequency).



Generators LEDs



100-250V AC
50/60Hz
IP 44



Generator equipped with LEDs OSRAM LEDs with a total power of 15W.

Heat sink for the aluminum case.

Silent, no fan.

Life of more than 20 000 hours LEDs.

Precise adjustment of the color (for RGB versions).

Optical diameter capacity: 10mm. Illuminating the surface of a beam scattering 7mm (monochrome white 4500 ° version): 1900 lux

Dimensions (mm): 250 P / L 105/60 H

Weight: 0.9 Kg



100-250V AC
50/60Hz
IP 44



Miniature generator OSRAM LED monochrome with a power of 2 W.

Heat dissipation by aluminum case.

Mains power supply.

Life of the LED exceeds 20,000 hours.

Optical diameter capacity: 8 mm.

Illuminating the surface of a beam diffusing 7 mm: 400 lux

Dimensions (mm): P 80/50 L / H 30

Weight: 0.15 Kg

Red, green, blue, warm bench 3000'K, neutral white 4500'K cold 6500'K: standard colors



Whether your project is decorative in nature or even artistic, we will use all means possible to ensure its feasibility and bring it to fruition as soon as possible.

Thank you for your visit.
We are at your disposal
for more information.

Do not hesitate to contact us.

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