

DIFFUSING LIGHT GUIDE

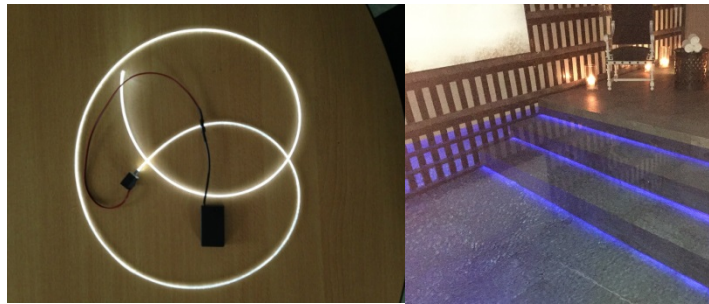
DESCRIPTION

Luxeri provides a wide range of flexible light diffusing guides that highlight a contour along its entire length, such as bendy neon.

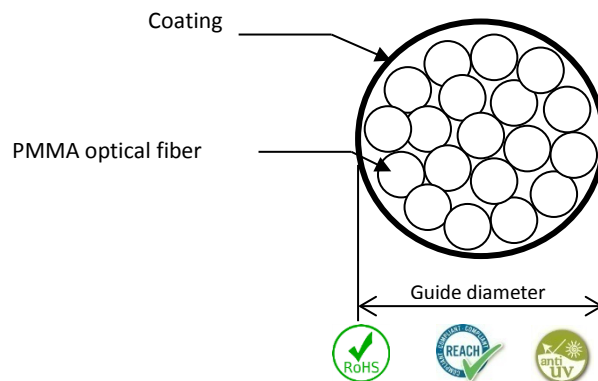
This one consists of a bundle of side diffusion optical fibers conditioned to have a perfect homogeneity of diffusion over a given length.

This light scattering process is controlled to :

- connect a light source to one of the two ends of the bundle or connect two light sources at each end of the bundle
- control the luminance level at the output of the diffusing fiber
- activate the lateral diffusion partially or completely over a given length



DIFFUSING LIGHT GUIDE FEATURES

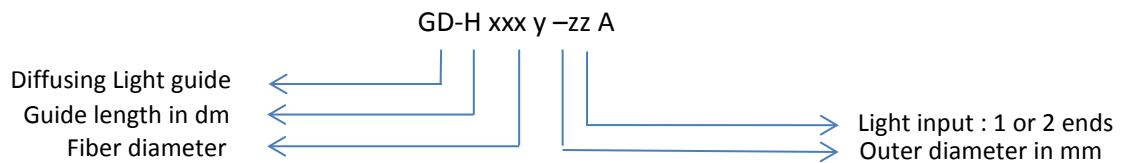


This diffusing light guide comprises one or more side diffusion fibers which are inserted in a coating. These fibers are assembled and polished in one or two common collectors compatible with the light source used. This coating can be transparent or translucent, its choice can meet temperature requirements, fire standards and mechanical constraints.

The side diffusion fibers consist of a PMMA core and a fluorinated polymer optical cladding with an aperture of 0.5. Depending on the required temperature (standard: 70 ° C or 85 ° C or 105 ° C), we use a different range of PMMA optical fiber.

Optical dia	Number of fibers per optical diameter				Coating outer diameter
	0,5mm	1mm	1,5mm	2mm	
2mm	11	3		1	4mm
3mm	27	7	3		5mm
5mm	80	19	7	5	7mm
7mm	160	37	16	9	9mm
10mm	349	80	33	19	11mm

DIFFUSING LIGHT GUIDE REFERENCE



Consult us :



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