

FOI-1 - A double bundle of .500" O.D.Black Elector Plated Sheathing each arm 18" long that can be bent to any shape and will maintain that shape and angle. It has a .250" fibre optic light bundle, one from each side. The stay-put feature of this illuminator makes it ideal for stereo or measuring microscopes. It can be used as supplementary light source for Projectors and Video Systems.

FOI-1-24 - A double bundle of .500" O.D.Black Elector Plated Sheathing each arm 24" long that can be bent to any shape and will maintain that shape and angle. It has a .250" fibre optic light bundle, one from each side. The stay-put feature of this illuminator makes it ideal for stereo or measuring microscopes. It can be used as supplementary light source for Projectors and Video Systems.

Note: The FOI-1 has a 1.00" proximal end fitting and all other Light Guides have a 0.625" proximal end fitting that fits our FOI-150 and LuxPro LED Fiber optic Illuminators which come standard with a 1.00" nosepiece and a 0.625" adapter bushing.

FOI-1 Bi-Bifurcated Light Guide



FOI-2 - A single strand semi-rigid (will hold it's shape) light guide, .500" outside diameter Metal Sheathing, .250" fibre optic light guides. This unit is 48" long and can be mounted on a machine tool for extra illumination.



FOI-3 - is similar in all respects to FOI-2 in usage, length, and applications. The difference is this unit has a .350" outside diameter and .125" diameter light guide. Its principal application is where the diameter of the entrance hole does not allow a larger light pipe to be used.



FOI-4 - is identical to FOI-2 in diameter, length and sheathing except it is completely flexible and will not support itself. Ideal in applications where it has to be fastened to a moving part that adjusts in an X, Y, Z axis such as on a machine.



FOI-5 - is a single strand 72" long light guide with some highly unusual characteristics. It is ultra flexible but the .400" diameter Fibre Bundles are protected by an inner spring with outside PVC covering. Experience has proven this is as strong as metallic sheathing used for the FOI-2, FOI-3 and FOI-4. The glass fibers used in this unit are ultra high transmission light guides that carry 40% - 50% more light than ordinary glass fibers of the same diameter.



FOI-6 LIQUID LIGHT GUIDE - unit is highly desirable with several distinct advantages over Fibre Optic Light Guides. They have excellent light gathering capabilities with almost no light lost over distance which results in much higher light intensity on the remittance end. They are also excellent carriers of Ultra-Violet (U.V.) Light. They have a N.A. of .47 and are usable from 270 to 720mm. These Light Guides are usually more flexible than Fibre Optic Light Guides. The usual construction is of flexible plastic tube filled with a transparent, anaerobic non-toxic liquid, covered by a flexible metallic tubing over which a thin PVC jacket is drawn. Both ends of the Bundle are sealed by a polished fused silica glass window. The Bundle is 72" long with a 5 mm Liquid Bundle and .412" outside diameter.



Ordering Information

Model Number	Flexible Length	Illumination
FOI-1	18" Dual Light Pipes	Fibreoptic
FOI-1-24	24" Dual Light Pipes	Fiberoptic
FOI-2	48"	Fibreoptic
FOI-3	48"	Fibreoptic
FOI-4	48"	Fiberoptic
FOI-5	72"	Fiberoptic
FOI-6	72"	Liquid