

Polishing bifurcated light guides for maximum transmission



Small diameter guide for close inspection



Precision Industrial & Scientific Light Guides

for industry & research



Universal Fibre Optics

Universal Fibre Optics Ltd.

The UK's only manufacturer of glass fibre for lighting

Home Place, Coldstream
TD12 4DT, UK

Tel: +44 (0)1890 883416

Fax: +44 (0)1890 883062

email: info@universal-fibre-optics.com

www.universal-fibre-optics.com

Multi tail guide with special rectangular termination



Light Guides

Light guides are designed to deliver light from a source to a remote point where the light is required. Light guides typically comprise a light source attachment connector, a fibre cable to carry the light and an end termination where the light emerges. The end terminations can be simple smooth metal terminations, a connector to allow attachment to other equipment or a grip or wand to allow the end of the guide to be handheld.

Light guides allow light to be directed precisely and may be fed into hazardous or inaccessible places to deliver light where it would not otherwise be possible to illuminate. We can supply guides with standard low smoke halogen free plastic coating, semi-rigid flex & stay or armoured plastic or metal sheathing. Custom connectors can be made to your specification in materials such as brass, aluminium acetal or stainless steel. The fibre used can be either polymer or glass depending on the application. Light guides can be used for task lighting on

inspection benches or on machines to deliver a controlled directional light. One cable (or tail) per guide is normal. We can also make bifurcated light guides with two cables from one source to split the light in two for delivery from two points or multi-point systems with many cables.

Universal Fibre Optics can manufacture custom non-coherent fibre light guides for industrial and scientific users. We supply light guides for OEMs, government, research and resellers and have quality approval from a number of manufacturers. Applications can be as diverse as QA inspection, defence electronics, inspection of hazardous areas, machine illumination, photography and forensics. All light guide pricing is dependant on the light guide design and batch quantities. We can make one-off prototypes for testing purposes. Drawings of light guide assemblies with production quantities required will allow us to make an accurate costing for your product or we can advise about considerations for manufacture at the design stage. Please call us for advice.

Hand-held guide with armoured sheath



Single guide with flex & stay end and angled end



Bifurcated guide in flex & stay sheath

