



TITAN FIBRE OPTIC RING ILLUMINATOR

MODEL #	INSIDE DIAMETER		OUTSIDE DIAMETER		MOUNTING HEIGHT		Fits Titan Microscope Models
	MM	INCH	MM	INCH	MM	INCH	
RI-17	17	.669	33	1.299	20.5	.806	Modular Toolscope, XAM-1, 70A1, 71B1, 72A, TM-8 & TM-10 & Y-III & Y-IV Centering Microscopes
RI-23	23	.905	37.5	1.475	20.5	.806	TCP-III Projectors, SM-802 & ZMM-1, TM-II, TM-IV & TZOVA Microscopes
RI-34	34	1.339	53.5	2.105	20.5	.806	Models X-I, X-II, Y-I, Y-II & Z-I Centering Microscopes & ZMM-45B & HLML
RI-50	50	1.969	68	2.677	20.5	.806	RX-II, FX-3, FX-4, FX-6 & TSZM-6 with addition of optional adapters

Titan Fibre Optic Ring Illuminator provide the finest illumination that money can buy for viewing, measuring or assembly under a microscope, projector or closed circuit TV systems.

This Fibre Optic circle of light over 360° leaves absolutely no shadow pockets such as is possible with regular microscope illuminator, single or double fibre bundles or even fluorescent lighting which is much weaker in intensity. Its strength surpasses all built in illumination systems wherein the light beam has to pass through lenses and mirrors before it reaches the workpiece.

The light is **ABSOLUTELY COLD** which is essential for measuring in .0001" increments or when thin sensitive workpieces are checked such as Film, P.C.Boards or Biological Specimens. It is a soothing white light with no glare which reduces operator fatigue and can be used for extended periods of time without harmful side effects.

The Ring Illuminator can be used as the prime light source for Measuring Microscopes, Monocular or Stereo Viewing Microscopes, or as a secondary light source or Profile Projectors, 35mm Cameras or Closed Circuit TV Systems, or miniature assembly.

Many industrial materials have lighting problems. They are either opaque and reflect little or no light, or are so highly polished that they reflect the light from a point light source into space and the light waves do not reenter the optical system. The optical systems used in many projectors and microscopes are quite complex having many lenses and mirrors. Each of these absorb and scatter some light. It may, therefore, become necessary to over illuminate the work piece by the use of the Titan Fibre Optic Ring Illuminator to have sufficient illumination for the necessary measuring and viewing.

Higher magnifications have become quite common for measuring and assembly. These lens diameters are smaller

which also tends to retard light passage leading to a dimmer image. This can also be helped by the Titan Fibre Optic Illuminator. To serve you better we have four different diameter Fiber Optic Ring Illuminator. This large range covers all Titan Microscopes and Projectors, as well as 90% of competitive units. The units are held in place by 3 nylon screws that will not mar or injure your microscope frame. If special adapters are necessary, they can easily be made to fit onto this simple system.

Please note that if you do not already own a light source, Model FOI-150 a 150 Watt Halogen light source is essential for your ring illuminator or our LuxPro-LED light source is available. Intensity can be controlled at will by adjustment of a simple rheostat on both the Titan FOI-150 and Titan LuxPro-LED Illuminator

Ordering Information

Model Number	Flexible Length	Illumination
RI-17	46" (1168mm)	Fibreoptic
RI-23	46" (1168mm)	Fibreoptic
RI-34	46" (1168mm)	Fibreoptic
RI-50	46" (1168mm)	Fibreoptic