

# BGT1826

## Single Gooseneck

For Applications which require a single near horizontal incident angle or a downward projected source of high intensity cold illumination

The BGT1826 single arm "gooseneck" assembly is an extremely versatile assembly which when paired with the Fiber-lite 190, is compact, quiet and provides up to 10,000 ft. candles of illumination focused with the LH759 lens at a 3 inch (7.6cm) working distance. The 30 watt Fiber-lite 190 halogen system with the BGT1826 fiber optic is suitable for up to 20X magnifications. This unit was designed to replace the low power stereo microscope lighting with increased light levels of cold illumination. The very popular BGT1826 self-supporting light guide with a 0.19 inch (4.75mm) bundle diameter starts from the light source vertically, and extends 26" for maximum placement flexibility. This system provides the most obedient light output placement for critical illumination requirements at angles of incidence from near vertical to near horizontal. Slide-lock LH759 lens can be rapidly adjusted, or removed for diffuse illumination, or in conjunction with lamp ports or transmitted light bases.

In a laboratory environment, the single arm gooseneck fiber optic assembly provides excellent ancillary usage as a light source for small animal microsurgery with a stereo-microscope, general specimen preparation, examination of cultures and tissue trim preparation for light and electron microscopy, while decreasing morphological changes induced by dehydration and heat.



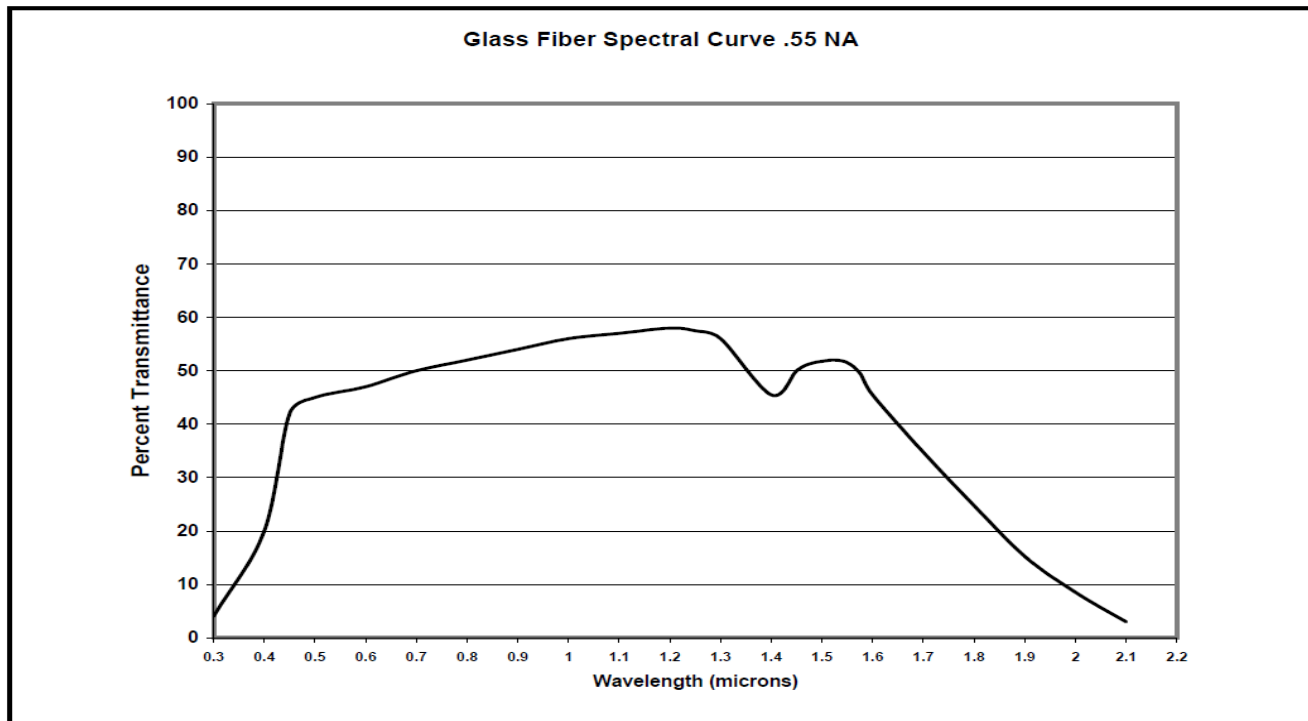
\*only used with Model 190 (shown below)



### BGT1826 - Single-Gooseneck, Threaded Input Light Guide - 0.500" Dia. End Ferrule (Accepts LH-759 Lens)

	Part #	(A) Length	(B) Input Thread	Adapter	Use w/ Model #
	BGT1826	26" (660 mm)	3/8-32 THD	N/A	190

PRODUCT SPECIFICATIONS	
Fiber Material	Borasilicate Glass
Numerical Aperture	0.55 nominal
Acceptance (cone) Angle	68 degrees nominal
Fiber Bundle Diameter	0.187"
Temperature Rating	225°F
Packing Fraction	82% nominal
Sheathing Material	Gooseneck, steel, painted black
Bend Radius	3.0"
Output End Ferrule Material	303 Stainless Steel
Input End Ferrule Material	3/8-32 threads Stainless Steel
Transition Material	Not Applicable
RoHS	Non Applicable
Optional Accessories	LH-759 Lens
Warranty	12 Months



Spectrum shown is for the fiber optic only, and is not representative of output spectrum when paired with a light source and lensing.