

# BGG18 Series

## Single Gooseneck

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

The BGG single arm "gooseneck" assemblies are an extremely versatile product which when paired with the Fiber-lite 3100, is compact, quiet and provides up to 10,000 ft. candles of illumination focused with the LH759 lenses at a 3 inch (7.6cm) working distance. The 30 watt Fiber-lite 3100 halogen system with the BGG1823 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 BGG18 fiber assembly with a 0.19 inch (4.75mm) bundle diameter starts from the light source at a 45 degree angle, and is available in lengths of 18", 23" and 36" 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 stereomicroscope, general specimen preparation, examination of cultures and tissue trim preparation for light and electron microscopy, while decreasing morphological changes induced by dehydration and heat.



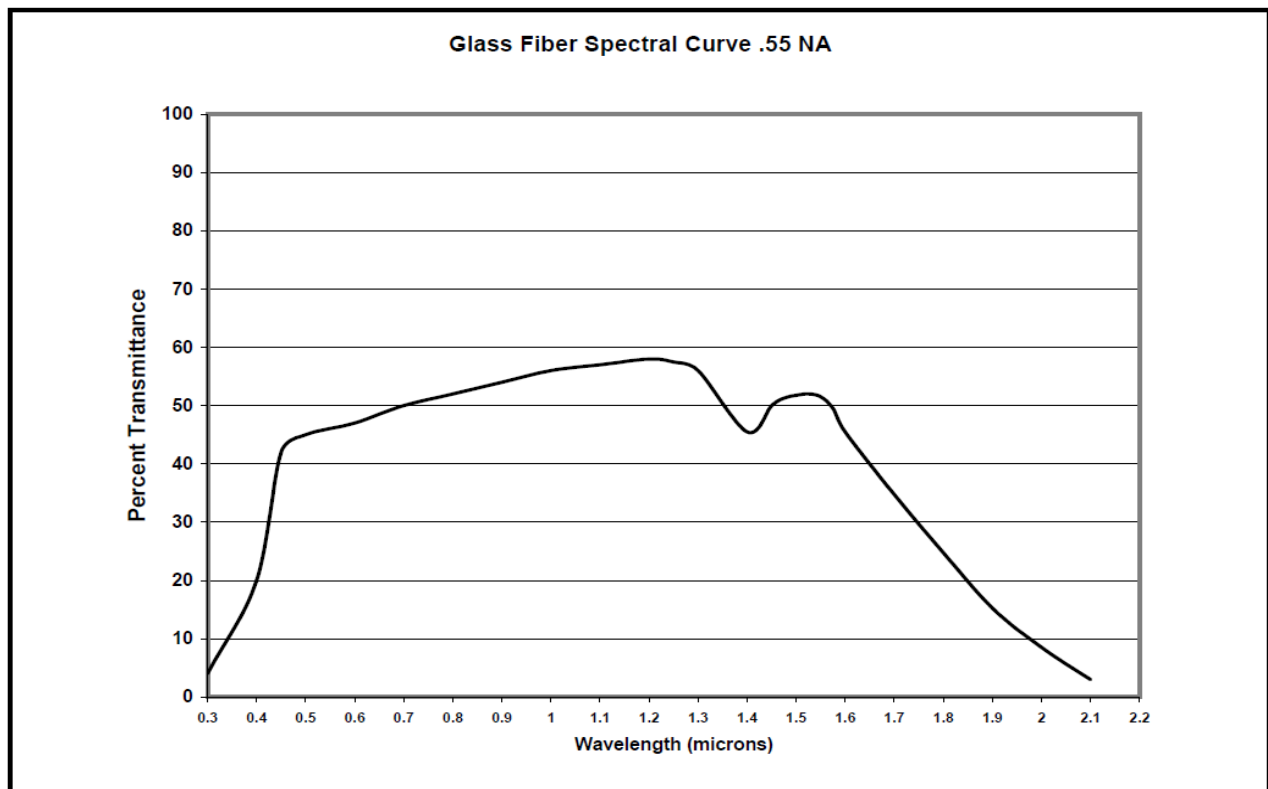
BGG1823  
\*commonly used with Model 3100 (shown below)



### BGG18 Series - 0.187" Fiber Bundle. Single-Gooseneck - 0.500" Dia. End Ferrule (Accepts LH-759 Lens)

	Part #	(A) Length	(B) Input Ferrule Diameter	25 mm A-Nose Adapter	15mm B-Nose Adapter
	BGG1818	18" (456.9 mm)	0.562" (14.3 mm) x 0.50" (12.7mm)	SX-10	Not Compatible
	BGG1823	23" (584.2 mm)	0.562" (14.3 mm) x 0.50" (12.7mm)	SX-10	Not Compatible
	BGG1823M	23" (584.2 mm)	0.588" (14.9 mm) x 0.83" (21.1mm)	SX-13	Direct Fit
	BGG1836M	36" (914.40 mm)	0.588" (14.9 mm) x 0.83" (21.1mm)	SX-13	Direct Fit

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	T6 Aluminum
Transition Material	Anodized Aluminum
RoHS	Non Applicable
Accessories (optional)	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.