



# BG28 Series

## Single Gooseneck

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

The BG28 single arm “gooseneck” assemblies are an extremely versatile product which when paired with the LED and 150 watt halogen light sources, is compact, quiet and provides up to 40,000 ft. candles of illumination focused with the LH759 lens at a 3 inch (7.6cm) working distance. The very common BG28 series fiber optic is suitable for very high magnifications. This product was designed to replace the stereo microscope lighting with high intensity light levels of cold illumination. The BG28 series fiber assembly with a large 0.25 inch (6.35mm) bundle diameter starts from the light source at a 45 degree angle, and is available in a length of 20” 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.



Mi-LED-US-SG

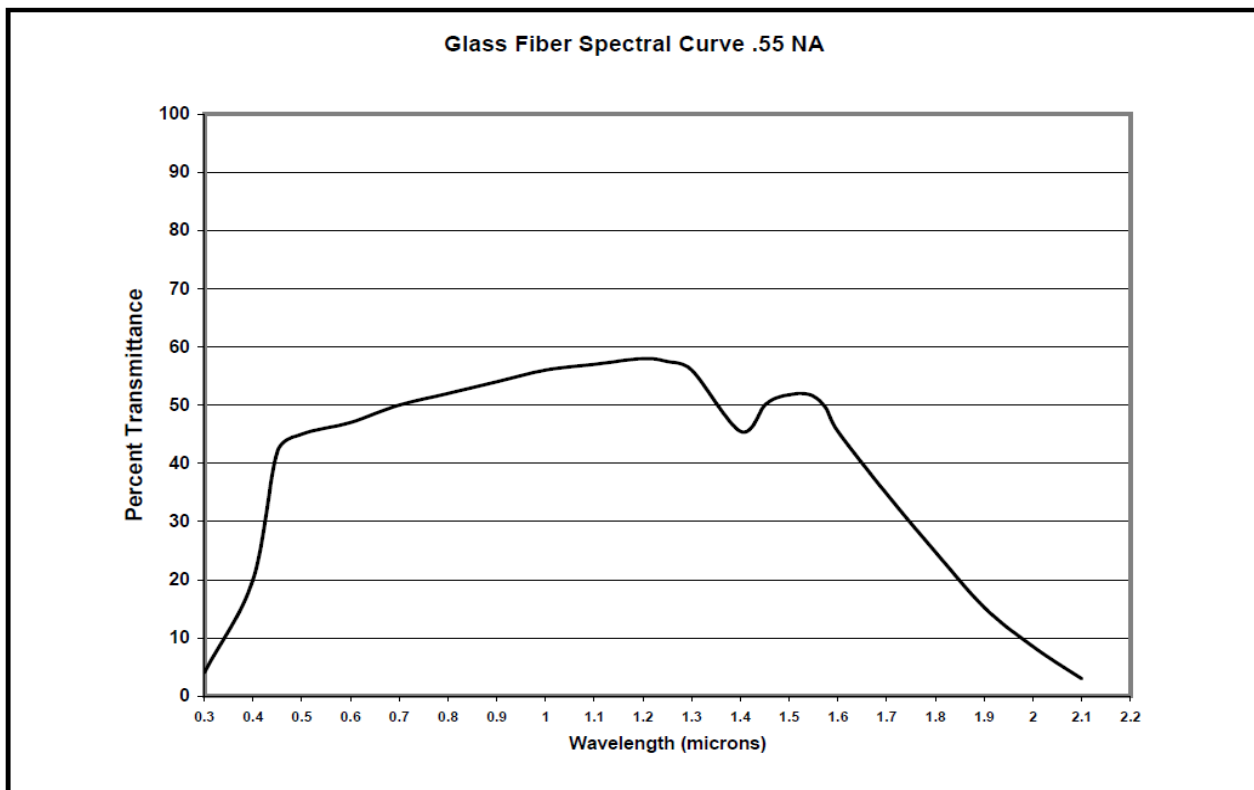


BG2820M

### BG28 Series - 0.250" 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
	BG2820	20" (508 mm)	0.624" (15.9 mm) x 50" (12.7mm) Length	SX-11	Not Compatible
	BG2820M	20" (508 mm)	0.588" (14.9 mm) x 1.2" (30mm) Length	SX-13	Direct Fit

PRODUCT SPECIFICATIONS	
Fiber Material	Borosilicate Glass
Numerical Aperture	0.55 nominal
Acceptance (cone) Angle	68 degrees nominal
Fiber Bundle Diameter	0.250"
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
Optional Accessories	LH-759 Lens
Warranty	12 Months



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