

BG4 Series

Single Gooseneck

For applications which require a single near horizontal incident angle or a downward projected source of high intensity cold illumination, with the light source located further away from the point of use.

The BG4 series single branch combination flexible sheathing and "gooseneck" assemblies are an extremely versatile product which when paired with a Fiber-lite illuminator provide very high intensity and bright white illumination. The combination of flexible sheathing and gooseneck offer the user increased options for location of the Fiber-lite illuminator relative to the lighting point of use while still offering positional "gooseneck" capability. This unit was designed to replace the low power stereo microscope lighting with increased light levels of cold illumination. The BG4 fiber assembly with a large 0.25 inch (6.35mm) bundle diameter starts from the light source with flexible monocoil sheathing of various lengths, and transitions to 12" of positional gooseneck at the output end of the cable assembly. This system provides obedient light output placement for critical illumination requirements at angles of incidence from near vertical to near horizontal. For lensing we offer the LH-1100 50mm focusing lens. This cable assembly requires a mounting stand (MS-8), or other apparatus to clamp, mount or support the cable at the transition point.

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.



BG4 Series - Single-Gooseneck - 0.312" Dia. End Ferrule (NOT for LH-759 Lens), 0.250" Fiber Bundle

	Part #	(A) Length	(B) Input Diameter	A-Nose Adapter	B-Nose Adapter
	BG436	36" (914.40 mm)	.312" (10.7 mm)	SX-6	SX-6B
	BG472	72" (1828 mm)	.312" (10.7 mm)	SX-6	SX-6B

PRODUCT SPECIFICATIONS	
Fiber Material	Borasilicate 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)	Gooseneck, steel, painted black
Sheathing Material (flex)	Black PVC over galvanized steel coil
Bend Radius (gooseneck)	4.0"
Bend Radius (flex)	2.5"
Output End Ferrule Material	303 Stainless Steel
Input End Ferrule Material	303 Stainless Steel
Transition Material	303 Stainless Steel/PVC Heatshrink
RoHS	Non Applicable
Accessories	LH-100 Lens

