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Find the *Dolan-Jenner Industries BG2820* at our website: *Click HERE*

Dolan-Jenner

# 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.

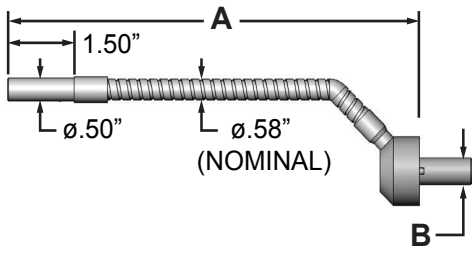


Mi-LED-US-SG



BG2820M

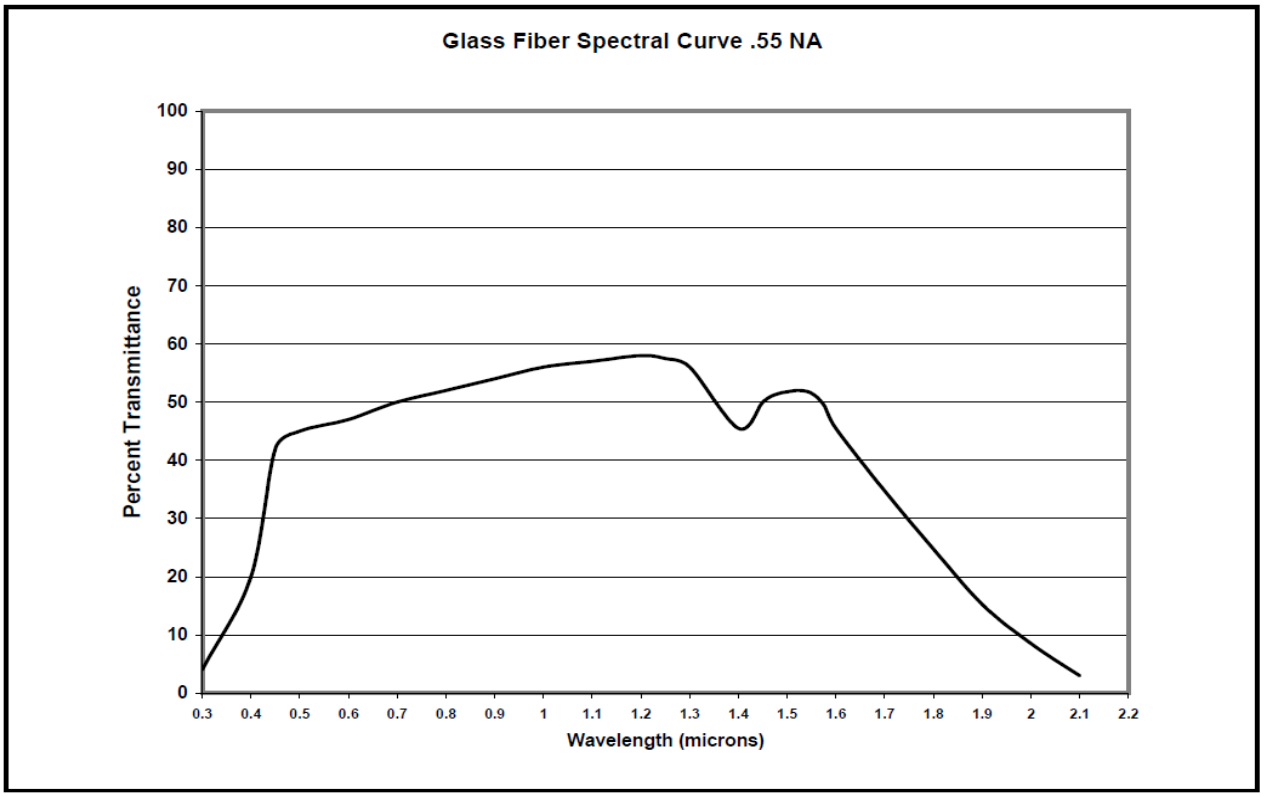
**BG28 Series** - 0.250" Fiber Bundle, Single-Gooseneck - 0.500" Dia. End Ferrule (Accepts LH-759 Lens)




| 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 |

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| 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, 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.

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