

EEG4 Series

Combination Dual Gooseneck

Opposed angle illumination will always provide an illuminated field and reduced shadow obstruction

The dual arm "gooseneck" systems are extremely versatile systems which are compact, quiet and provides 40,000 ft. candles of illumination focused with the LH759 lenses at a 3 inch (7.6cm) working distance. The LED and 150 watt halogen systems are suitable for higher magnifications (120x plus). The very popular EEG4 series combination bifurcated light guide with a 0.25 inch (6.3mm) bundle diameter starts from the light source with a flexible PVC monocoil sheathing, then splits into 2 flexible legs from which the gooseneck branches extend and can be positioned at an angle designed to accommodate any stereomicroscope between them without interference to focusing or specimen manipulation. Each branch has a 0.177 inch (4.5mm) bundle diameter. This system provides the most versatile light output placement for critical illumination requirements at angles of incidence from near vertical to near horizontal, while allowing for a convenient placement option for the illuminator. Slide-lock LH759 lenses can be rapidly adjusted, or removed for diffuse illumination. The optional MS-8 stand can be used for support of the dual arm goosenecks.

In a laboratory environment, the dual 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.

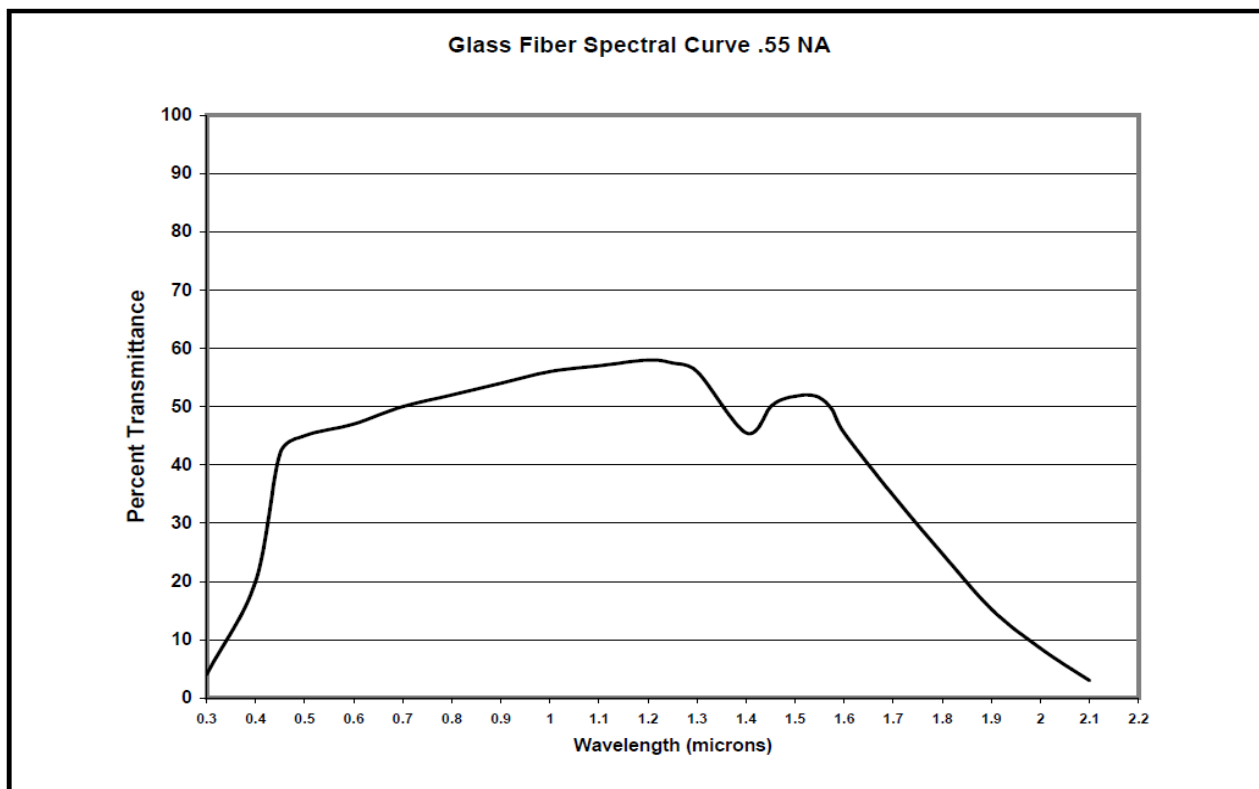


System Shown:
 EEG436 Fiber Optic
 Mi-LED-US-A2
 MS-8 Stand
 SX-6 Adapter

EEG4 Series - 0.250" Active Fiber Bundle, Dual-Gooseneck Light Guides - 0.500" Dia. End Ferrules (Accepts LH-759 Lens), Flexible Monocoil Sheathing Construction

| | Part # | (A) Length | (B) Input Diameter Ferrule | A-Nose 25mm Adapter | B-Nose 15mm Adapter |
|--|---------|-----------------|----------------------------|---------------------|---------------------|
| | EEG436 | 36" (914.40 mm) | .312" (10.7 mm) | SX-6 | SX-6B |
| | EEG436M | 36" (914.40 mm) | 0.588" (14.9 mm) | SX-13 | Direct Fit |
| | EEG448 | 48" (1218 mm) | .312" (10.7 mm) | SX-6 | SX-6B |
| | EEG448M | 48" (1218 mm) | 0.588" (14.9 mm) | SX-13 | Direct Fit |
| | EEG460 | 60" (1523 mm) | .312" (10.7 mm) | SX-6 | SX-6B |
| | EEG460M | 60" (1523 mm) | 0.588" (14.9 mm) | SX-13 | Direct Fit |
| | EEG472 | 72" (1828 mm) | .312" (10.7 mm) | SX-6 | SX-6B |
| | EEG472M | 72" (1828 mm) | 0.588" (14.9 mm) | SX-13 | Direct Fit |

| PRODUCT SPECIFICATIONS | |
|-----------------------------|---|
| Fiber Material | Borasilicate Glass |
| Numerical Aperture | 0.55 nominal |
| Acceptance (cone) Angle | 68 degrees nominal |
| Fiber Bundle Diameter | 0.250" |
| Temperature Rating | 225°F |
| Packing Fraction | 82% nominal |
| Sheathing Material | Gooseneck, steel, painted black, PVC-Monocoil |
| Bend Radius | 3.0" |
| Output End Ferrule Material | 303 Stainless Steel |
| Input End Ferrule Material | 303 Stainless Steel |
| Transition Material | PVC Heat Shrink |
| RoHS | Non Applicable |
| Accessories (Optional) | 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.