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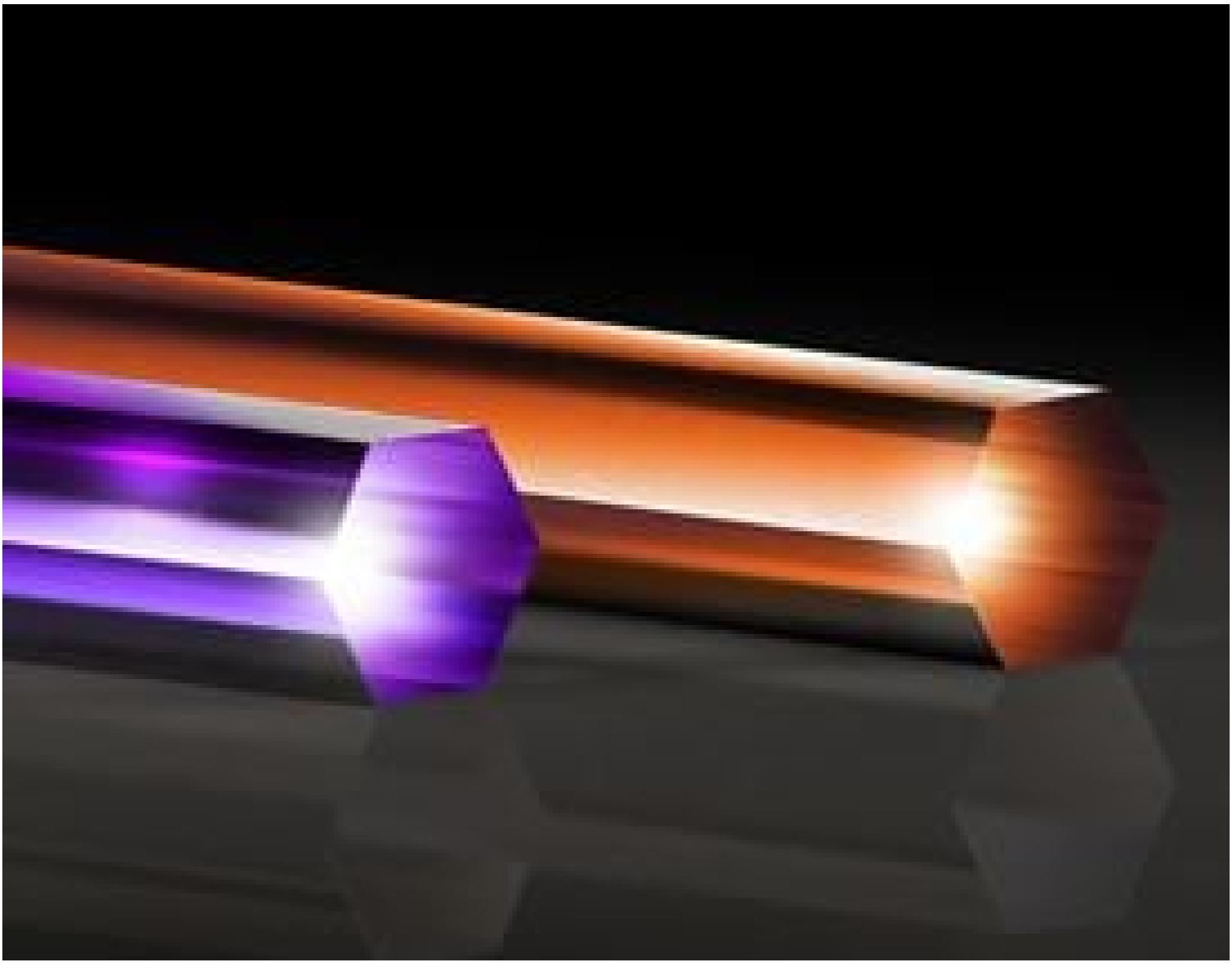
TECHSPEC® 10mm Aperture x 75mm L, UV-VIS Coated, High NA, Fused Silica Light Pipe



Fused Silica Light Pipe Homogenizing Rods

Stock **#26-566** **4 In Stock**

- 1 + **C$516**.60

ADD TO CART

Volume Pricing	
Qty 1-5	**C$516.60** each
Qty 6-25	**C$413.00** each
Qty 26-49	**C$387.80** each
Need More?	Request Quote

Product Downloads

General

Type:
Light Pipe

Physical & Mechanical Properties

Clear Aperture CA (mm):
9

Length (mm):	75.00
Parallelism (arcmin):	5.00
Length Tolerance (mm):	±0.3
Light Source NA:	High

Optical Properties

Coating:	UV-VIS (250-700nm)
Substrate:	Fused Silica (Corning 7980)
Surface Quality:	60-40
Entrance and Exit Aperture (mm):	10.00
Aperture Tolerance (mm):	±0.10
Image Orientation:	Light Homogenization
Coating Specification:	R_{avg} ≤1.5% @ 250 - 700nm R_{abs} ≤1.00% @ 350 - 450nm
Wavelength Range (nm):	250 - 700
Surface Flatness (P-V):	3λ
Damage Threshold, By Design:	3 J/cm^2 @ 355nm, 10ns 5 J/cm^2 @ 532nm, 10ns

Regulatory Compliance

RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 235:	Compliant

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our custom manufacturing capabilities or submit an inquiry here.

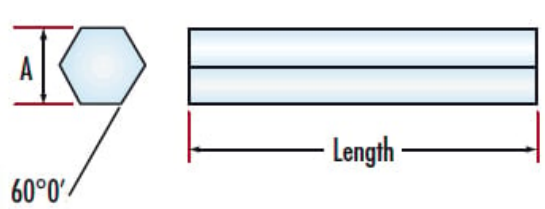
Product Details

- Excellent Transmission in the UV
- Hexagonal Aperture Maximizes Throughput
- Perfect for Non-Uniform Light Sources
- Additional Light Pipe Homogenizing Rods Available

TECHSPEC® Fused Silica Light Pipe Homogenizing Rods utilize total internal reflection to homogenize non-uniform light sources regardless of their spectral characteristics. Their hexagonal configurations provide 35% less light loss than a comparable square configuration. Low Numerical Aperture (NA) sources require longer pipes to uniformly homogenize light while shorter pipes will sufficiently homogenize the output from high NA sources. TECHSPEC® Fused Silica Light Pipe Homogenizing Rods are made from UV Fused silica which is great for use with UV LED illumination sources. These homogenizing rods have excellent transmission in the UV.

N-BK7 versions of our light pipe homogenizing rods are also available. TECHSPEC® Light Pipe Homogenizing Rod Mounts, specifically designed to hold our standard and fused silica families of light pipe homogenizing rods, are available; these mounts greatly simplify the handling and integration of these components.

Technical Information



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