

TECHSPEC® 2mm Aperture x 50mm L, VIS-NIR Coated, Standard NA, Fused Silica Light Pipe



Fused Silica Light Pipe Homogenizing Rods



Stock #23-491 **2 In Stock**

⊖ 1 ⊕ MRP ₹31,478

Price inclusive of all taxes

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | ₹31,478 each |
| Qty 6-25 | ₹25,223 each |
| Qty 26-49 | ₹23,508 each |
| Need More? | Request Quote |

Product Downloads

General

Type:
Light Pipe

Physical & Mechanical Properties

Clear Aperture CA (mm):

| | |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 1.25 | Length (mm): |
| 50.00 | |
| | Parallelism (arcmin): |
| 5.00 | |
| | Length Tolerance (mm): |
| ±0.3 | |
| | Light Source NA: |
| Standard | |
| Optical Properties | |
| | Coating: |
| VIS-NIR (400-1000nm) | |
| | Substrate: <input type="checkbox"/> |
| Fused Silica (Corning 7980) | |
| | Surface Quality: |
| 60-40 | |
| | Entrance and Exit Aperture (mm): |
| 2.00 | |
| | Aperture Tolerance (mm): |
| ±0.10 | |
| | Image Orientation: |
| Light Homogenization | |
| | Coating Specification: |
| R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm | |
| | Wavelength Range (nm): |
| 400 - 1000 | |
| | Surface Flatness (P-V): |
| 1λ | |
| | Damage Threshold, Reference: <input type="checkbox"/> |
| 5 J/cm ² @ 532nm, 10ns | |

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Regulatory Compliance | |
| | RoHS 2015: |
| Compliant | |
| | Certificate of Conformance: |
| View | |
| | Reach 235: |
| Compliant | |
| | Country of Origin: |
| China | |
| | Imported By: |
| Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000 | |

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](#).

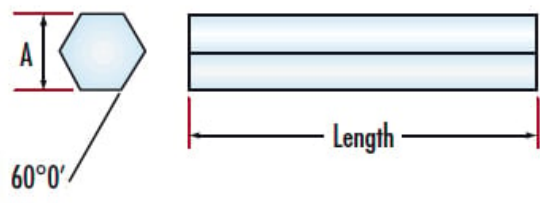
Product Details

- 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 UVLED 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



Coating Curves
