

TECHSPEC<sup>®</sup> 8mm Aperture x 50mm L, VIS-NIR Coated, High NA, Fused Silica Light Pipe



Fused Silica Light Pipe Homogenizing Rods



Stock **#23-502** 4 In Stock

-

1

+

€312<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €312,00 each                  |
| Qty 6-25       | €250,00 each                  |
| Qty 26-49      | €233,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Light Pipe

Physical & Mechanical Properties

|       |                         |
|-------|-------------------------|
| 7     | Clear Aperture CA (mm): |
| 50.00 | Length (mm):            |
| 5.00  | Parallelism (arcmin):   |
| ±0.3  | Length Tolerance (mm):  |
| High  | Light Source NA:        |

|                                                                                                                    |                                                       |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Optical Properties                                                                                                 |                                                       |
| VIS-NIR (400-1000nm)                                                                                               | Coating:                                              |
| Fused Silica (Corning 7980)                                                                                        | Substrate: <input type="checkbox"/>                   |
| 60-40                                                                                                              | Surface Quality:                                      |
| 8.00                                                                                                               | Entrance and Exit Aperture (mm):                      |
| ±0.10                                                                                                              | Aperture Tolerance (mm):                              |
| Light Homogenization                                                                                               | Image Orientation:                                    |
| R <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm | Coating Specification:                                |
| 400 - 1000                                                                                                         | Wavelength Range (nm):                                |
| 3λ                                                                                                                 | Surface Flatness (P-V):                               |
| 5 J/cm² @ 532nm, 10ns                                                                                              | Damage Threshold, Reference: <input type="checkbox"/> |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 235:                  |

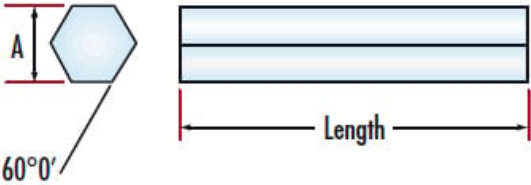
## Product Details

- 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

## Custom

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](#).

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