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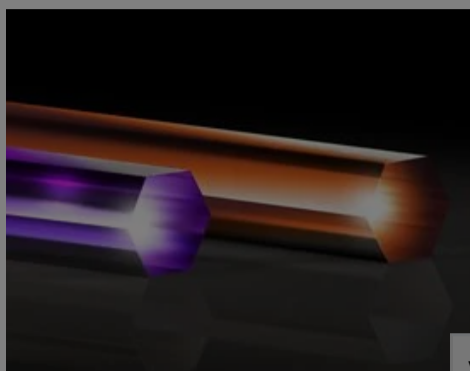
TECHSPEC®

4mm Aperture x 100mm Length, Fused Silica Light Pipe

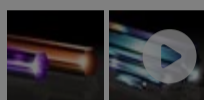
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Select Your Country/Region: European Union

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Fused Silica Light Pipe Homogenizing Rod



Stock #23-495 **2 In Stock**

1

€308^{,00}

ADD TO CART

Volume Pricing	
Qty 1-5	€308,00 each
Qty 6-25	€247,00 each
Qty 26-49	€231,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- Curve (xlsx):xlsx
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Light Pipe

Physical & Mechanical Properties

Clear Aperture CA (mm): 3.25

Length (mm): 100.00

Parallelism (arcmin): 5.00

Length Tolerance (mm): ±0.3

Light Source NA: Low

Optical Properties

Coating: VIS-NIR (400-1000nm)

Substrate: **Fused Silica** (Corning 7980)

Surface Quality: 60-40

Entrance and Exit Aperture (mm): 4.00

Aperture Tolerance (mm): ±0.10

Image Orientation: Light Homogenization

Coating Specification: $R_{abs} \leq 0.25\%$ @ 880nm
 $R_{avg} \leq 1.25\%$ @ 400 - 870nm
 $R_{avg} \leq 1.25\%$ @ 890 - 1000nm

Wavelength Range (nm): 400 - 1000

Surface Flatness (P-V): 1λ

Damage Threshold, Reference: 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of **View**

Reach 235: **Compliant**

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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

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	2mm Aperture, 25mm Length, Light Pipe Homogenizing Rod Mount		#64-904	€125,00 Volume Pricing Request Quote	7 In Stock <input type="text" value="1"/>
MORE+	2mm Aperture, 50mm Length, Light Pipe Homogenizing Rod Mount		#64-905	€132,00 Volume Pricing Request Quote	13 In Stock <input type="text" value="1"/>
MORE+	2mm Aperture, 75mm Length, Light Pipe Homogenizing Rod Mount		#64-906	€148,00 Volume Pricing Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	4mm Aperture, 25mm Length, Light Pipe Homogenizing Rod Mount		#64-907	€125,00 Volume Pricing Request Quote	16 In Stock <input type="text" value="1"/>
MORE+	4mm Aperture, 50mm Length, Light Pipe Homogenizing Rod Mount		#64-908	€132,00 Volume Pricing Request Quote	CONTACT US <input type="text" value="1"/>

	Title	Compare	Stock Number	Price	Buy
MORE+	4mm Aperture, 100mm Length, Light Pipe Homogenizing Rod Mount			€148,00	5 In Stock <input type="text" value="1"/>
MORE+	5mm Aperture, 30mm Length, Light Pipe Homogenizing Rod Mount				6 In Stock <input type="text" value="1"/>
MORE+	5mm Aperture, 60mm Length, Light Pipe Homogenizing Rod Mount		#64-911	€141,00 Volume Pricing Request Quote	6 In Stock <input type="text" value="1"/>
MORE+	5mm Aperture, 120mm Length, Light Pipe Homogenizing Rod Mount		#64-912	€167,00 Volume Pricing Request Quote	4 In Stock <input type="text" value="1"/>
MORE+	6mm Aperture, 50mm Length, Light Pipe Homogenizing Rod Mount		#64-913	€132,00 Volume Pricing Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	6mm Aperture, 75mm Length, Light Pipe Homogenizing Rod Mount		#64-914	€141,00 Volume Pricing Request Quote	3 In Stock <input type="text" value="1"/>
MORE+	6mm Aperture, 150mm Length, Light Pipe Homogenizing Rod Mount		#64-915	€167,00 Volume Pricing Request Quote	4 In Stock <input type="text" value="1"/>
MORE+	8mm Aperture, 50mm Length, Light Pipe Homogenizing Rod Mount		#64-916	€141,00 Volume Pricing Request Quote	1 In Stock <input type="text" value="1"/>
MORE+	8mm Aperture, 100mm Length, Light Pipe Homogenizing Rod Mount		#64-917	€157,00 Volume Pricing Request Quote	2 In Stock <input type="text" value="1"/>
MORE+	8mm Aperture, 150mm Length, Light Pipe Homogenizing Rod Mount		#64-918	€183,00 Volume Pricing Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	10mm Aperture, 75mm Length, Light Pipe Homogenizing Rod Mount		#64-919	€141,00 Volume Pricing Request Quote	4 In Stock <input type="text" value="1"/>
MORE+	10mm Aperture, 125mm Length, Light Pipe Homogenizing Rod Mount		#64-920	€157,00 Volume Pricing Request Quote	1 In Stock <input type="text" value="1"/>
MORE+	10mm Aperture, 175mm Length, Light Pipe Homogenizing Rod Mount		#64-921	€183,00 Volume Pricing Request Quote	2 In Stock <input type="text" value="1"/>

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Coating Curves

VIS-NIR (400-1000nm)



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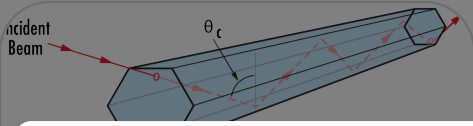
🔍 SHIFT + SELECT an area on CURVE to zoom

Please note that coating performance outside each product's specified design range is theoretical and may vary.

Resources

Media Type

- Application Note
- Video
- Glossary
- FAQ



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GLOSSARY

Light Pipe
Homogenizing
Rod



GLOSSARY

Transmission



? FAQ

How do I clean
my optics?



GLOSSARY

Surface
Quality