

TECHSPEC[®] 2mm Aperture, 50mm L Standard NA, Hexagonal Light Pipe



N-BK7 Light Pipe Homogenizing Rods



Stock **#63-080** 20+ In Stock

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A\$275⁻²⁰

ADD TO CART

Volume Pricing	
Qty 1-5	A\$275.20 each
Qty 6-25	A\$219.20 each
Qty 26-49	A\$204.80 each
Need More?	Request Quote

Product Downloads

General

Type:

Light Pipe

Physical & Mechanical Properties

Length (mm):

50.00

<5.00	Parallelism (arcmin):
±0.3	Length Tolerance (mm):
Standard	Light Source NA:
Optical Properties	
Uncoated	Coating:
N-BK7	Substrate: □
60–40	Surface Quality:
2.00	Entrance and Exit Aperture (mm):
±0.10	Aperture Tolerance (mm):
Light Homogenization	Image Orientation:
350 - 2200	Wavelength Range (nm):
1λ	Surface Flatness (P-V):
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:

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](#).

Product Details

- Homogenizes Non-Uniform Light Sources
- Hexagonal Entrance Aperture
- Uncoated and VIS-EXT Coated Options Available
- Ideal for OEM Illumination
- Additional [Light Pipe Homogenizing Rods](#) Available

TECHSPEC® N-BK7 Light Pipe Homogenizing Rods utilize total internal reflection to homogenize non-uniform light sources regardless of 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 N-BK7 Light Pipe Homogenizing Rods are made from precision N-BK7 for use in a variety of visible light applications and are available uncoated or with VIS-EXT coatings.

[Fused silica 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

