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## 25.4mm Dia x 125mm FL, Uncoated Meniscus Lens



Stock #72-431 **8 In Stock**

- 1 + MRP ₹2,825

Price inclusive of all taxes

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Volume Pricing	
Qty 1-9	₹2,825 each
Qty 10-24	₹2,548 each
Qty 25-49	₹2,270 each
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### Product Downloads

#### General

Meniscus Lens **Type:**

#### Physical & Mechanical Properties

25.40 +0.00/-0.10 **Diameter (mm):**

3.30 ±0.10 **Center Thickness CT (mm):**

<3	<b>Centering (arcmin):</b>
22.86	<b>Clear Aperture CA (mm):</b>
1.97	<b>Edge Thickness ET (mm):</b>
<b>Optical Properties</b>	
125.00 @587.6nm	<b>Effective Focal Length EFL (mm):</b>
<a href="#">N-BK7</a>	<b>Substrate:</b> <input type="checkbox"/>
4.92	<b>f#:</b>
0.10	<b>Numerical Aperture NA:</b>
Uncoated	<b>Coating:</b>
121.10 @587.6nm	<b>Back Focal Length BFL (mm):</b>
587.6	<b>Design Wavelength DWL (nm):</b>
36.04	<b>Radius R<sub>1</sub> (mm):</b>
78.971	<b>Radius R<sub>2</sub> (mm):</b>
40-20	<b>Surface Quality:</b>
3 Rings	<b>Power (P-V) @ 632.8nm:</b>
0.5 Rings	<b>Irregularity (P-V) @ 632.8nm:</b>

## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
China	<b>Country of Origin:</b>
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	<b>Imported By:</b>

## Product Details

- Positive Meniscus Lens Designs
- Minimize Spherical Aberration and Reduce Spot Sizes
- 350 – 2,200nm Wavelength Range

Positive Meniscus Lenses are convex-concave lenses manufactured from N-BK7 optical glass and are designed to minimize spherical aberration and reduce spot sizes in focusing applications. When used to focus a collimated beam, the lenses should be oriented with the convex surface towards to light source to minimize spherical aberration. Combining a positive meniscus lens with another lens in a multi-element optical design will allow for a shortening of the focal length and an increase in the numerical aperture (NA) of a system without introducing significant spherical aberrations. Positive Meniscus Lenses are available with focal lengths ranging from 100 to 300mm in 25.4mm diameters sizes. allowing for easy integration into benchtop systems.