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25.4mm Dia x 125mm FL, Uncoated Meniscus Lens



Stock **#72-431** **1 In Stock**

- 1 + £22⁴⁰

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Volume Pricing	
Qty 1-9	£22.40 each
Qty 10-24	£20.20 each
Qty 25-49	£18.00 each
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! Prices shown are exclusive of VAT/local taxes

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	Centering (arcmin):
22.86	Clear Aperture CA (mm):
1.97	Edge Thickness ET (mm):

Optical Properties

125.00 @ 587.6nm	Effective Focal Length EFL (mm):
N-BK7	Substrate: <input type="checkbox"/>
4.92	f#:
0.10	Numerical Aperture NA:
Uncoated	Coating:
121.10 @ 587.6nm	Back Focal Length BFL (mm):
587.6	Design Wavelength DWL (nm):
36.04	Radius R ₁ (mm):
78.971	Radius R ₂ (mm):
40-20	Surface Quality:
3 Rings	Power (P-V) @ 632.8nm:
0.5 Rings	Irregularity (P-V) @ 632.8nm:

Regulatory Compliance

View	Certificate of Conformance:
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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.