

25.4mm Dia x 100mm FL, Uncoated Meniscus Lens



Stock #72-430 13 In Stock

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+

£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 LensType:

Physical & Mechanical Properties

25.40 +0.00/-0.10Diameter (mm):

3.60 ±0.10Center Thickness CT (mm):

<3	Centering (arcmin):
22.86	Clear Aperture CA (mm):
1.89	Edge Thickness ET (mm):

Optical Properties

100.00 @ 587.6nm	Effective Focal Length EFL (mm):
N-BK7	Substrate: ☐
3.94	f/#:
0.13	Numerical Aperture NA:
Uncoated	Coating:
95.72 @ 587.6nm	Back Focal Length BFL (mm):
587.6	Design Wavelength DWL (nm):
28.67	Radius R ₁ (mm):
61.628	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.