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TECHSPEC® 25mm Dia x 37.5mm FL, Uncoated, High Precision Aspheric Lens

TECHSPEC® High Precision Aspheric Lenses

Stock **#12-438** **20+ In Stock**

Other Coating Options

- 1 + C$1,048.60

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Volume Pricing	
Qty 1-5	**C$1,048.60** each
Qty 6-10	**C$943.60** each
Qty 11+	**C$880.60** each
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Product Downloads

General

Type:

Aspheric Lens

Note:

3D Surface Profile included with uncoated lenses

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.00/-0.025

Centering (arcmin):

<1

Clear Aperture CA (mm):

22.50

Edge Thickness ET (mm):

5.49

Center Thickness CT (mm):

9.72

Bevel:

Protective as needed

Shape of Back Surface:

Plano

Optical Properties

Effective Focal Length EFL (mm):

37.50 @ 587.6nm

Numerical Aperture NA:

0.33

Back Focal Length BFL (mm):

31.09

Substrate:

N-BK7

Aspheric Design Wavelength (nm):

587.6

Asphere Figure Error, RMS @ 632.8nm:

λ/40

Coating:

Uncoated

Surface Quality:

40-20

f/#:

1.5

Wavelength Range (nm):

350 - 2200

Conjugate Distance:

Infinite

Power (diopters):

26.67

Regulatory Compliance

RoHS 2015:

Compliant

Reach 219:

Compliant

Certificate of Conformance:

View

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

- High Precision Aspheric Surface
- 3D Surface Profiles Included with Uncoated Lenses
- Uncoated and <0.25% Reflectance V-Coat Available

TECHSPEC® High Precision Aspheric Lenses guarantee better than λ/40 wave aspheric figure error. Achieved via precision magneto-rheological finishing (MRF), these aspheres offer high numerical apertures with diameters ranging from 15 to 50mm and are ideal for a variety of imaging and low light level applications. Each TECHSPEC High Precision Aspheric Lens is individually measured. 3D surface profiles are included with uncoated lenses. For diffraction-limited aspheres designed at specific Nd:YAG laser wavelengths, see our **TECHSPEC High Precision Laser Grade Aspheric Lenses**.

Compatible Mounts

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