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TECHSPEC® 25mm Dia x 37.5mm FL, VIS EXT+, High Precision Aspheric Lens



TECHSPEC® High Precision Aspheric Lenses

Stock **#22-892** [CONTACT US](#)

[Other Coating Options](#)

⊖ 1 ⊕ £639²⁰

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Volume Pricing	
Qty 1-5	£639.20 each
Qty 6-10	£575.20 each
Qty 11+	£536.80 each
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Aspheric Lens **Type:**

3D Surface Profile not included with coated lenses **Note:**

Physical & Mechanical Properties

25.00 +0.00/-0.025	Diameter (mm):
<1	Centering (arcmin):
22.50	Clear Aperture CA (mm):
5.49	Edge Thickness ET (mm):
9.72	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:

Optical Properties

37.50 @ 587.6nm	Effective Focal Length EFL (mm):
0.33	Numerical Aperture NA:
31.09	Back Focal Length BFL (mm):
N-BK7	Substrate: <input type="checkbox"/>
587.6	Aspheric Design Wavelength (nm):
$\lambda/40$	Asphere Figure Error, RMS @ 632.8nm:
VIS-EXT+ (350-700nm)	Coating:
$R_{avg} < 0.5\% @ 350 - 700nm @ \pm 30^\circ AOI$ $R_{rms} < 1.5\% @ 350 - 700nm @ \pm 30^\circ AOI$	Coating Specification:
40-20	Surface Quality:
1.5	f#:
350 - 700	Wavelength Range (nm):
Infinite	Conjugate Distance:
26.67	Power (diopters):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 250:

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 $\lambda/40$ 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](#).

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](#).

