

**TECHSPEC® 15mm Dia x 22.5mm FL, Uncoated, High Precision Aspheric Lens**



TECHSPEC® High Precision Aspheric Lenses

Stock **#12-430** **20+ In Stock**

[Other Coating Options](#)

1  £519<sup>20</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£519.20 each
Qty 6-10	£467.20 each
Qty 11+	£436.00 each
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**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**SPECIFICATIONS**

**General**

Type:

Aspheric Lens

**Note:**

3D Surface Profile included with uncoated lenses

## Physical & Mechanical Properties

15.00 +0.00/-0.025 **Diameter (mm):**

<1 **Centering (arcmin):**

13.50 **Clear Aperture CA (mm):**

6.25 **Edge Thickness ET (mm):**

8.79 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

Plano **Shape of Back Surface:**

## Optical Properties

22.50 @ 587.6nm **Effective Focal Length EFL (mm):**

0.33 **Numerical Aperture NA:**

16.71 **Back Focal Length BFL (mm):**

[N-BK7](#) **Substrate:**

587.6 **Aspheric Design Wavelength (nm):**

$\lambda/40$  **Asphere Figure Error, RMS @ 632.8nm:**

Uncoated **Coating:**

40-20 **Surface Quality:**

1.5 **f#:**

350 - 2200 **Wavelength Range (nm):**

Infinite **Conjugate Distance:**

44.44 **Power (diopters):**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## 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](#).

## COMPATIBLE MOUNTS

