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TECHSPEC®

25mm Dia., 0.50 Numerical Aperture, Uncoated, Precision Molded Aspheric Lens (Pack of 10)



TECHSPEC® Precision Molded Aspheric Lenses

Stock #17-156 [CONTACT US](#)

- 1 + €1.818⁰⁰

ADD TO CART

Volume Pricing

Qty 1-9	€1.818,00 each
Qty 10-24	€1.343,00 each
Qty 25+	€1.174,00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Aspheric Lens **Type:**

Polished equivalent is [#47-730](#) **Note:**

Lens Included:

10 x #17-082

Physical & Mechanical Properties

25.00 +0.0/-0.1 Diameter (mm):

≤5 Centering (arcmin):

22.5 Clear Aperture CA (mm):

1.74 Edge Thickness ET (mm):

7.50 ±0.1 Center Thickness CT (mm):

Protective as needed Bevel:

Plano Shape of Back Surface:

22 (typical) Surface Roughness (□):

Optical Properties

25.00 @ 587.6nm Effective Focal Length EFL (mm):

0.50 Numerical Aperture NA:

20.28 Back Focal Length BFL (mm):

L-BAL35 Substrate: □

1.2λ Asphere Figure Error, RMS @ 632.8nm:

Uncoated Coating:

60-40 Surface Quality:

1.00 f#:

61.15 Abbe Number (v_d):

1.589 Index of Refraction (n_d):

330 - 2400 Wavelength Range (nm):

Infinite Conjugate Distance:

587.6 Focal Length Specification Wavelength (nm):

40.00 Power (diopters):

Material Properties

6.6 Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

Regulatory Compliance

View Certificate of Conformance:

Need different specs or modifications?

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

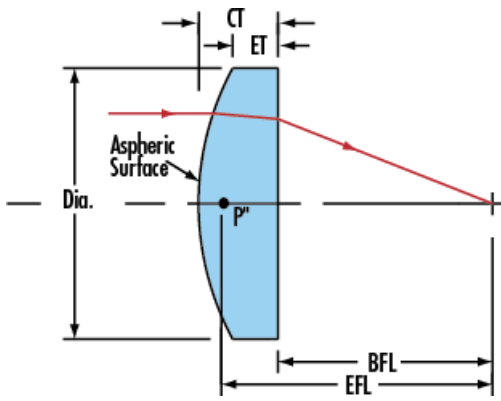
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Precision Glass Molded Lenses
- Ideal for High Volume Production Requirements
- Available in Convenient Packs of 10 for Volume Integration

TECHSPEC® Precision Molded Aspheric Lenses are manufactured through a precision glass molding process to meet the same specifications as our polished [TECHSPEC Precision Aspheric Lenses](#). These lenses are designed to have optimal performance when molded by accounting for the change in index of refraction that occurs during the molding process. TECHSPEC Precision Molded Aspheric Lenses eliminate spherical aberrations and can be used to replace multiple spherical elements in an optical system to simplify design, lower system weight, and decrease costs. Due to the differences between the glass molding and polishing processes, these lenses have an increased surface roughness over their polished counterparts and may produce more scatter. However, the scalable precision glass molding process is ideal for high volume OEM integration.

Technical Information



Compatible Mounts