TECHSPEC 40mm Dia x 32mm FL, VIS-EXT Coated Molded Aspheric Condenser Lens

TECHSPEC Molded Aspheric Condenser Lenses

Stock **#71-089** **6 In Stock**

Other Coating Options

- 1 + **£42**.80

ADD TO CART

Volume Pricing	
Qty 1-10	**£42.80** each
Qty 11-25	**£38.40** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:	Condenser Lens

Note:
Click here for more information on the ISO 10110 surface quality specification.

Physical & Mechanical Properties

Diameter (mm):
40.00 +0.0/-0.3

Centering (arcmin):
≤25

Clear Aperture CA (mm):
35.78

Edge Thickness ET (mm):
3.21

Center Thickness CT (mm):
17.76 ±0.30

Bevel:
Protective as needed

Diameter of Asphere (mm):
40.00

Shape of Back Surface:
Plano

Optical Properties

Effective Focal Length EFL (mm):
32.00 @ 587.6nm

Numerical Aperture NA:
0.625

Back Focal Length BFL (mm):
20.33

Substrate:
Liba2000+

Focal Length Tolerance (%):
±5

Coating:
VIS-EXT (350-700nm)

Coating Specification:
R_{avg} ≤0.4% @ 425 - 675nm

Surface Quality:
Molded Side: 5/5 x 0.63; E 0.4
Polished Side: 5/5 x 0.25; E 0.4

f/#:
0.8

Radius R_2 (mm):
∞

Wavelength Range (nm):
350 - 700

Conjugate Distance:
Infinite

Regulatory Compliance

Certificate of Conformance:
View

PRODUCT DETAILS

- High Numerical Apertures
- Fully Documented for OEM Integration
- Ideal for Illumination Applications

TECHSPEC® Molded Aspheric Condenser Lenses have been designed for integration into the illumination path of OEM instrumentation. Available in 5 to 50mm diameters, the small diameter lenses are ideal for medical devices or portable instruments, while the larger lenses are typically integrated into benchtop analytical equipment including biotech instruments such as DNA sequencers and polymerase chain reaction (PCR) testing platforms. The front aspheric surface is molded to eliminate spherical aberrations, while the second surface is ground and polished for improved performance. Full prescription data and drawings are available to aid in design integration.

Note: For custom coating options, please contact us.

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.