TECHSPEC®

40mm Dia x 32mm FL, Uncoated Molded Aspheric Condenser Lens

TECHSPEC Molded Aspheric Condenser Lenses

Stock #36-170 20+ In Stock

Other Coating Options

- 1 +

MRP ₹3,204

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-10	₹3,204 each
Qty 11-49	₹2,825 each
Need More?	Request Quote

Product Downloads

STEP:step | PDF Drawing:pdf | IGES:igs | Zemax:zar | eDrawing:eprt | Code V:seq | EO Spec Sheet | Download All

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:**	0.62
Back Focal Length BFL (mm):	20.33	**Substrate:** ⓘ	Liba2000+
Focal Length Tolerance (%):	±5	**Coating:**	Uncoated
Surface Quality:	Molded Side: 5/5 x 0.63; E 0.4 Polished Side:	**f/#:**	0.8

	5/5 x 0.25; E 0.4		
Abbe Number (v_d):	58.9	**Design Wavelength DWL (nm):**	587.6
Index of Refraction (n_d):	1.52	**Radius R_2 (mm):**	∞
Wavelength Range (nm):	350 - 2000	**Conjugate Distance:**	Infinite
Focal Length Specification Wavelength (nm):	587.6		

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):	9.4		

Regulatory Compliance

RoHS 2015:	**Compliant**	**Reach 223:**	**Compliant**
Certificate of Conformance:	**View**		
Country of Origin:	Poland	**Imported By:**	Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000

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

- 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**.

Frequently Purchased Together

#32-589 – 2.3" x 2.3", 1.3" FL, Aspheric Fresnel Lens
₹4,237

Qty

#03-655 – Sliding 2" x 3" Base Plate
₹2,548

Qty

#03-669 – 7.0 – 67.0 Optic Height, English Bar-Type Optic Holder
₹11,703

Qty

#32-587 – 2.0" x 2.0", 0.85" FL, Aspheric Fresnel Lens
₹4,237

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price ☐	Buy
MORE+	40.0mm Optic Dia., Optic Mount	Fixed		#64-566	₹3,305 Request Quote	10 In Stock 1
MORE+ 	40mm Diameter, T-Mount Thin Optic Mount	Fixed		#57-976	₹7,264 Request Quote	5 In Stock 1

Check out our full selection of mounts **here**.

Resources

Media Type

- [ ] Application Note
- [ ] Scientific Paper
- [ ] Trending in Optics
- [ ] Video
- [ ] Published Article
- [ ] FAQ
- [ ] Glossary

APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

An Introduction to Optical Coatings

CASE STUDIES

Laser Optics for Eye Surgery

APPLICATION NOTE

Lens Geometry Performance Comparison

APPLICATION NOTE

All About Aspheric Lenses

WEBINARS

Design Considerations for Custom Aspheres

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