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**TECHSPEC® 25mm Dia., 0.66 NA, Uncoated, Calibration Grade Aspheric Lens**



Calibration Grade Aspheric Lenses

Stock **#69-141** **5 In Stock**

C\$722<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$722.40 each
Qty 6-25	C\$651.00 each
Qty 26-49	C\$578.20 each
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Product Downloads

**General**

Aspheric Lens Type:

**Physical & Mechanical Properties**

25.00 +0.0/-0.1 Diameter (mm):

≤1 Centering (arcmin):

22.00	<b>Clear Aperture CA (mm):</b>
1.63	<b>Edge Thickness ET (mm):</b>
10.00	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>
Plano	<b>Shape of Back Surface:</b>

## Optical Properties

18.75 @587.6nm	<b>Effective Focal Length EFL (mm):</b>
0.66	<b>Numerical Aperture NA:</b>
12.46	<b>Back Focal Length BFL (mm):</b>
<a href="#">L-BAL35</a>	<b>Substrate:</b> <input type="checkbox"/>
587.6	<b>Aspheric Design Wavelength (nm):</b>
Uncoated	<b>Coating:</b>
20-10	<b>Surface Quality:</b>
0.76	<b>f#:</b>
61.15	<b>Abbe Number (v<sub>d</sub>):</b>
1.589	<b>Index of Refraction (n<sub>d</sub>):</b>
330 - 2400	<b>Wavelength Range (nm):</b>
Infinite	<b>Conjugate Distance:</b>
587.6	<b>Focal Length Specification Wavelength (nm):</b>
0.4λRMS and 2λPV	<b>Asphere Figure Error, @ 632.8nm:</b>
53.33	<b>Power (diopters):</b>

## Material Properties

6.6	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>
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## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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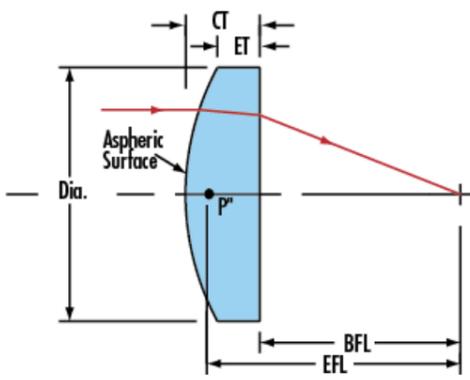
## Product Details

- Complete Metrology Data Provided
- Precision Grade Aspheric Surface
- 0.66 and 0.50 NA Lenses

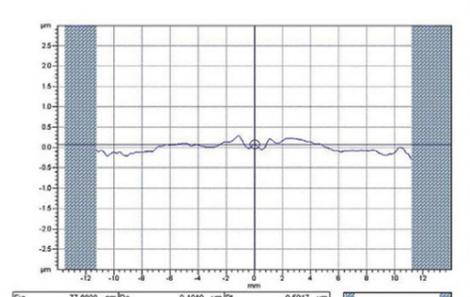
Our TECHSPEC® Calibration Grade Aspheric Lenses offer the ultimate in performance and precision available from an off-the-shelf polished aspheric lenses. Featuring improved aspheric surface figure, surface quality, and centering specification over our [TECHSPEC® Aspheric lenses](#), these optical components are ideal for integration into R&D and OEM applications alike. With high numerical apertures, the lenses are ideal for improving the efficiency of low light level detection systems, or for applications requiring a compact optical path.

Each aspheric lens is serialized and provided with a complete metrology data package. The test data package includes a surface profile performed on our Taylor Hobson Talysurf Profilometer, an interferogram of the spherical surface, and tested values for diameter, center thickness, and centration. For custom designed calibration grade aspheric lenses, coating requirements, or volume pricing, please contact our [Sales Department](#).

## Technical Information



Taylor Hobson  
PRECISION



P <sub>Q</sub>	77.8898	mm	P <sub>A</sub>	0.1069	µm	P <sub>T</sub>	0.5917	µm
Q <sub>RM</sub>	0.003	µm	S <sub>RM</sub>	0.566	µm	T <sub>RM</sub>	0.314	µm
Q <sub>P</sub>	-1.1128	mm	D <sub>V</sub>	11.2133	mm	Q <sub>2</sub>	12.9558	mm
RMS	0.1228	µm						

Data Item Setup	
Wave Number	11.94888888
Wave Constant	-0.75208
Shape	Circle
Coefficients	
A01	0.00000000
A02	0.00000000
A03	0.00000000
A04	-2.00000000
A05	0.00000000
A06	0.00000000
A07	0.00000000
A08	-1.41888888
A09	0.00000000
A10	0.00000000
A11	0.00000000
A12	0.00000000
A13	0.00000000
A14	0.00000000
A15	0.00000000
A16	0.00000000
A17	0.00000000
A18	0.00000000
A19	0.00000000
A20	0.00000000
Mirror Setup	
Clear Aperture	11.94888888
Lambert Filter Setup	
On Off	

## Compatible Mounts