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0.25 NA 11.0mm FL VIS AR Coated, Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#47-142** **20+ In Stock**

⊖ 1 ⊕ **A\$190⁰⁰**

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Volume Pricing	
Qty 1-10	A\$190.40 each
Qty 11-49	A\$171.20 each
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Product Downloads

General

352220 **Lightpath Lens Code:**

Aspheric Lens **Type:**

Collimate or Focus Laser Light **Typical Applications:**

May be available in limited quantities, or require a minimum purchase quantity. [Contact us](#) for more **Note:**

Physical & Mechanical Properties

7.20 ±0.015	Diameter (mm):
5.50	Clear Aperture CA (mm):
4.210	Edge Thickness ET (mm):
5.00	Center Thickness CT (mm):

Optical Properties

11.00 @ 633nm	Effective Focal Length EFL (mm):
0.25	Numerical Aperture NA:
ECO-550	Substrate: □
±1	Focal Length Tolerance (%):
633	Aspheric Design Wavelength (nm):
VS	Coating:
R _{avg} <0.6% @ 350 - 700nm	Coating Specification:
Diffraction Limited Transmitted Wavefront	Asphere Figure Error (µm RMS):
40-20	Surface Quality:
2.00	f#:
50.22	Abbe Number (v_d):
1.603	Index of Refraction (n_d):
7.920	Working Distance (mm):
633.00	Focal Length Specification Wavelength (nm):

Environmental & Durability Factors

≤200	Operating Temperature (°C):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 233:

Product Details

- Eliminate Spherical Aberration
- Multiple Coating Options Available
- Range of Numerical Apertures

LightPath® Geltech™ Molded Aspheric Lenses are used to eliminate spherical aberration and improve focusing and collimating accuracy in a variety of laser applications. Low NA aspheric lenses are designed to maintain beam shape, while high NA lenses gather all available light to maintain beam power over long distances. LightPath® Geltech™ Molded Aspheric Lenses are ideal for applications including sighting systems, bar code scanners, laser diode-to-fiber coupling, optical data storage, or biomedical lasers.



