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# LightPath 354340 | 6.33mm Dia., 0.64 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-161** **20+ In Stock**

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+

C\$119<sup>00</sup>

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| Volume Pricing |                               |
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| Qty 1-10       | C\$119.00 each                |
| Qty 11-49      | C\$107.10 each                |
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Product Downloads

| General                                  |                      |
|------------------------------------------|----------------------|
| Thickness: 1.20 (t) (mm)<br>Material: K3 | Compatible Window:   |
| 354340                                   | Lightpath Lens Code: |
| Aspheric Lens                            | Type:                |

|                                                         |                                      |
|---------------------------------------------------------|--------------------------------------|
| Typical Applications:<br>Collimate or Focus Laser Light |                                      |
| Physical & Mechanical Properties                        |                                      |
| Diameter (mm):                                          | 6.33 ±0.020                          |
| Clear Aperture CA (mm):                                 | 5.1                                  |
| Edge Thickness ET (mm):                                 | 1.48                                 |
| Center Thickness CT (mm):                               | 3.10 ±0.03                           |
| Bevel:                                                  | Protective as needed                 |
| Distance from Window to Lens (D) (mm):                  | 1.483                                |
| Optical Properties                                      |                                      |
| Effective Focal Length EFL (mm):                        | 4.03 @ 685nm                         |
| Numerical Aperture NA:                                  | 0.64                                 |
| Substrate: □                                            | D-ZK3                                |
| Focal Length Tolerance (%):                             | ±1                                   |
| Aspheric Design Wavelength (nm):                        | 685                                  |
| Coating:                                                | BBAR (350-700nm)                     |
| Coating Specification:                                  | R <sub>avg</sub> ≤0.5% @ 350 - 700nm |
| Surface Quality:                                        | 40-20                                |
| f/#:                                                    | 0.78                                 |
| Wavelength Range (nm):                                  | 350 - 700                            |
| Working Distance (mm):                                  | 2.68                                 |
| Conjugate Distance:                                     | Infinite                             |
| Transmitted Wavefront Error (λ, RMS):                   | < 0.08                               |
| Environmental & Durability Factors                      |                                      |
| Operating Temperature (°C):                             | ≤200                                 |
| Regulatory Compliance                                   |                                      |
| RoHS 2015:                                              | Compliant                            |
| Certificate of Conformance:                             | View                                 |
| Reach 247:                                              | Compliant                            |

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.



Technical Information



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