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# LightPath 354350 | 4.7mm Dia., 0.43 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-579** **20+ In Stock**

[Other Coating Options](#)

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+

€75<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €75,00 each                   |
| Qty 11-49      | €67,50 each                   |
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ⓘ Prices shown are exclusive of VAT/local taxes

| Product Downloads              |                       |
|--------------------------------|-----------------------|
|                                |                       |
| General                        |                       |
| 354350                         | Lightpath Lens Code:  |
| Aspheric Lens                  | Type:                 |
| Collimate or Focus Laser Light | Typical Applications: |

| Physical & Mechanical Properties |                           |
|----------------------------------|---------------------------|
| 4.70 ±0.015                      | Diameter (mm):            |
| 3.7                              | Clear Aperture CA (mm):   |
| 2.77                             | Edge Thickness ET (mm):   |
| 3.65 ±0.04                       | Center Thickness CT (mm): |

|                      |        |
|----------------------|--------|
| Protective as needed | Bevel: |
|----------------------|--------|

| Optical Properties                    |                                       |
|---------------------------------------|---------------------------------------|
| 4.50 @ 980nm                          | Effective Focal Length EFL (mm):      |
| 0.43                                  | Numerical Aperture NA:                |
| D-ZK3                                 | Substrate: □                          |
| ±1                                    | Focal Length Tolerance (%):           |
| 980                                   | Aspheric Design Wavelength (nm):      |
| BBAR (600-1050nm)                     | Coating:                              |
| R <sub>abs</sub> <1.0% @ 600 - 1050nm | Coating Specification:                |
| 40-20                                 | Surface Quality:                      |
| 1.16                                  | f/#:                                  |
| 600 - 1050                            | Wavelength Range (nm):                |
| 2.2                                   | Working Distance (mm):                |
| Infinite                              | Conjugate Distance:                   |
| < 0.07                                | Transmitted Wavefront Error (λ, RMS): |

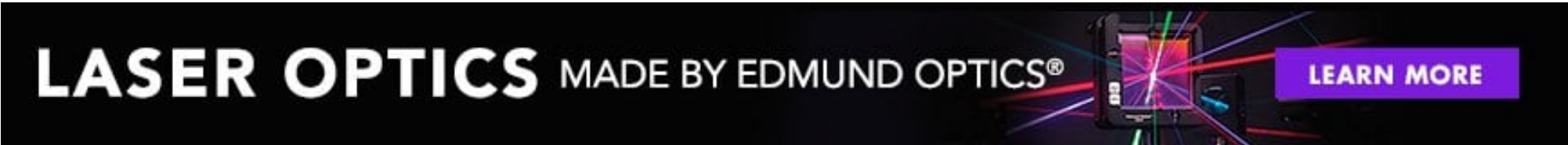
| Environmental & Durability Factors |                             |
|------------------------------------|-----------------------------|
| ≤200                               | Operating Temperature (°C): |

| Regulatory Compliance |                             |
|-----------------------|-----------------------------|
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 247:                  |

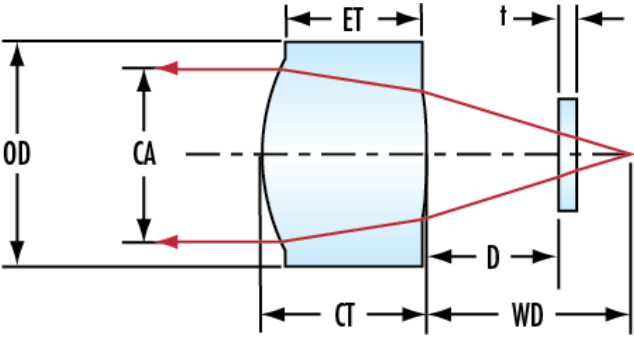
## Product Details

- 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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