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# LightPath 355625 | 5.585mm Dia., 0.55 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#16-701** **20+ In Stock**

-

1

+

€85<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €85,00 each                   |
| Qty 11-49      | €76,50 each                   |
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Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                        |                       |
|--------------------------------|-----------------------|
| 355625                         | Lightpath Lens Code:  |
| Aspheric Lens                  | Type:                 |
| Collimate or Focus Laser Light | Typical Applications: |

| Physical & Mechanical Properties |                           |
|----------------------------------|---------------------------|
| 5.59 ±0.015                      | Diameter (mm):            |
| 4.6                              | Clear Aperture CA (mm):   |
| 2.73                             | Edge Thickness ET (mm):   |
| 3.70 ±0.03                       | Center Thickness CT (mm): |
| Protective as needed             | Bevel:                    |

| Optical Properties                     |                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------|
| 4.13 @ 447nm                           | Effective Focal Length EFL (mm):                                                             |
| 0.55                                   | Numerical Aperture NA:                                                                       |
| D-ZLaF52LA                             | Substrate:  |
| ±1                                     | Focal Length Tolerance (%):                                                                  |
| 447                                    | Aspheric Design Wavelength (nm):                                                             |
| BBAR (1050-1600nm)                     | Coating:                                                                                     |
| R <sub>abs</sub> <1.0% @ 1050 - 1600nm | Coating Specification:                                                                       |
| 40-20                                  | Surface Quality:                                                                             |
| 0.91                                   | f/#:                                                                                         |
| 1050 - 1600                            | Wavelength Range (nm):                                                                       |
| 2.2                                    | Working Distance (mm):                                                                       |
| Infinite                               | Conjugate Distance:                                                                          |
| <0.200                                 | 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.

LASER OPTICS

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## Technical Information

