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# LightPath 354996 | 3mm Dia., 0.30 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Stock **#83-714** 20+ In Stock

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1

+

€85<sup>00</sup>

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| Qty 1-10       | €85,00 each                   |
| Qty 11-49      | €76,50 each                   |
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Product Downloads

| General       |                      |
|---------------|----------------------|
| 354996        | Lightpath Lens Code: |
| Aspheric Lens | Type:                |

| Physical & Mechanical Properties |                |
|----------------------------------|----------------|
|                                  | Diameter (mm): |

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| 3.00 ±0.015                           |                                       |
| 2.70                                  | Clear Aperture CA (mm):               |
| 1.33                                  | Edge Thickness ET (mm):               |
| 1.78 ±0.05                            | Center Thickness CT (mm):             |
| Protective as needed                  | Bevel:                                |
| Optical Properties                    |                                       |
| 4.50 @ 633nm                          | Effective Focal Length EFL (mm):      |
| 0.30                                  | Numerical Aperture NA:                |
| D-ZK3                                 | Substrate: □                          |
| ±1                                    | Focal Length Tolerance (%):           |
| 633                                   | Aspheric Design Wavelength (nm):      |
| BBAR (600-1050nm)                     | Coating:                              |
| R <sub>abs</sub> <1.0% @ 600 - 1050nm | Coating Specification:                |
| 60-40                                 | Surface Quality:                      |
| 1.67                                  | f/#:                                  |
| 600 - 1050                            | Wavelength Range (nm):                |
| 3.500                                 | Working Distance (mm):                |
| Infinite                              | Conjugate Distance:                   |
| < 0.070                               | Transmitted Wavefront Error (λ, RMS): |

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

## Product Details

- Compact, Molded Aspheric Lens Design
- Improved Performance Compared to Doublet and Triplet Lenses
- Ideal for Laser Tools and Measurement Systems

LightPath® Laser Tool Molded Aspheric Lenses are designed to fulfill the needs of a variety of tools and measurement systems utilizing laser diodes, including leveling lasers, projectors, scanners, trackers, and gun sights. By utilizing a single aspheric lens, the need for a multi-lens system is eliminated, allowing for a more compact and robust design. Each aspheric lens is offered with various anti-reflection coatings for optimum transmission in the visible and NIR wavelength ranges. LightPath® Laser Tool Molded Aspheric Lenses’ anti-reflection coating options for each lens provides <1% average reflection over the entire design wavelength range. The lenses are offered in four different diameters: 3mm, 4.70mm, 6mm, and 6.33mm.

LASER OPTICS

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