See all 74 Products in Family

LightPath 357300 | 4mm Dia., 0.70 NA, BBAR (350-700nm), Molded Aspheric Lens

See More by Lightpath®

Precision Molded Aspheric Lenses

Stock **#71-003** **20+ In Stock**

- 1 + **£87.20**

ADD TO CART

Volume Pricing	
Qty 1-10	**£87.20** each
Qty 11-49	**£78.40** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Compatible Window:
0.25mm thick BK7

Lightpath Lens Code:
357300

Type:
Aspheric Lens

Typical Applications:

Collimate or Focus Laser Light

Physical & Mechanical Properties

Diameter (mm):
4.00 ±0.015

Clear Aperture CA (mm):
3.6

Edge Thickness ET (mm):
0.822

Center Thickness CT (mm):
1.84 +/- 0.02

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
2.50 @ 405nm

Numerical Aperture NA:
0.70

Substrate:
D-LaK6

Focal Length Tolerance (%):
±1

Aspheric Design Wavelength (nm):
405

Coating:
BBAR (350-700nm)

Coating Specification:
R_{avg} ≤0.5% @ 350 - 700nm

Surface Quality:
40-20

f/#:
0.625

Wavelength Range (nm):
350 - 700

Working Distance (mm):
1.6

Conjugate Distance:
Infinite

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

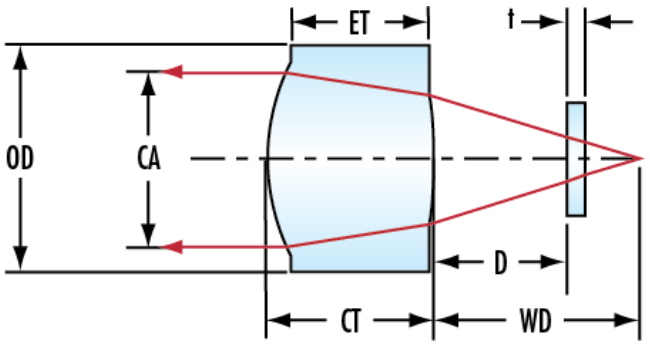
Reach 247:
Compliant

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


ET
t
OD
CA
D
CT
WD

;