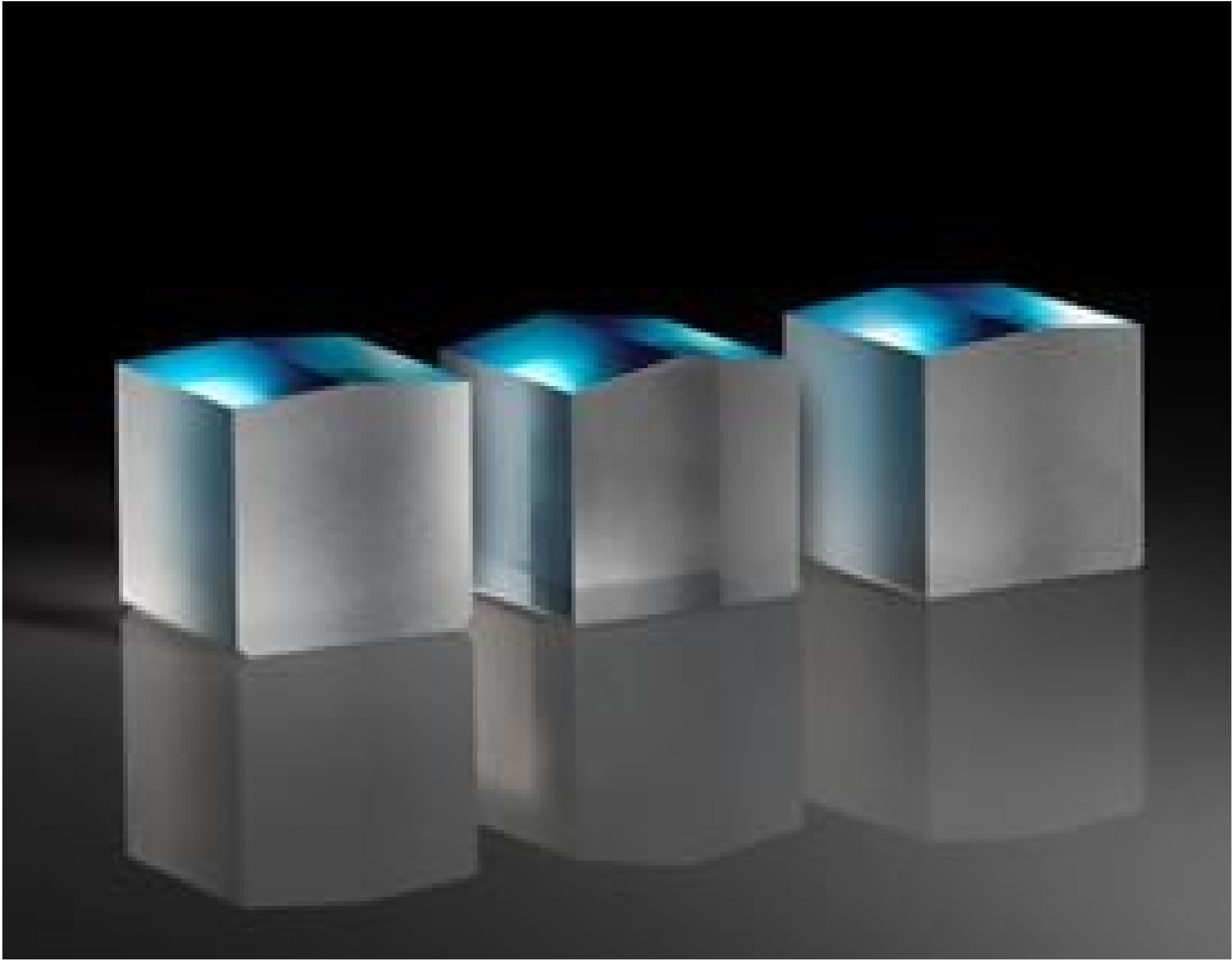


10° Fan Angle, 400 - 500nm AR Coated, High Precision Powell Lens



Stock **#70-129** [CONTACT US](#)

-

1

+

€325^{.00}

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Volume Pricing	
Qty 1-10	€325,00 each
Qty 11-49	€292,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Beam Shaping Lens

Physical & Mechanical Properties

Dimensions (mm):

8.90 +0.00/-0.15

Height (mm):

8.90 +0.00/-2.00

Input Beam Diameter, 1/e ² (mm):		1.3
Optical Properties		
N-BK7	Substrate:	
	Coating:	
BBAR (400-500nm)		
Wavelength Range (nm):		400 - 500
Coating Specification:		R _{abs} <1.0% @ 400 - 500nm
Index of Refraction (n _d):		1.458
Fan Angle (°):		10.00
Regulatory Compliance		
Certificate of Conformance:		View

Product Details

- Generate Uniform, Flat-Top Profile Over Entire Line
- Fan Angles from 1° to 75° Available
- AR Coated for 400 - 500nm or 500 - 850nm

Precision Powell Lenses, also known as aspheric line generators (ALGs), spread an input beam across a uniform line with a top-hat beam profile at a specified fan angle. These Powell lenses are produced through a precision manufacturing process to ensure high contained power, uniformity, and line straightness across the entire produced line, as well as superior part-to-part consistency. They are designed for a specific input beam diameter to provide best line uniformity; larger input beams will result in higher intensity at the ends of the generated line, while smaller will create a more Gaussian distribution. Precision Powell Lenses are ideal for use in machine vision and life science applications including 3D profile measurement, PCB inspection, line-scan SD-OCT, line-scan confocal microscopy, flow cytometry, and particle analysis.