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## 60° Fan Angle, 500 - 850nm AR Coated, High Precision Powell Lens



Stock #70-143 **1 In Stock**

MRP ₹32,790

**i** Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	₹32,790 each
Qty 11-49	₹29,460 each
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### General

Beam Shaping Lens **Type:**

### Physical & Mechanical Properties

8.90 +0.00/-0.15 **Dimensions (mm):**

8.90 +0.00/-2.00 **Height (mm):**

**Input Beam Diameter, 1/e<sup>2</sup> (mm):**

## Optical Properties

**N-SF6**      **Substrate:** □

**Coating:**  
BBAR (500-850nm)

**Wavelength Range (nm):**  
500 - 850

**Coating Specification:**  
R<sub>abs</sub> <1.0% @ 500 - 700nm  
R<sub>abs</sub> <1.5% @ 700 - 850nm

**Index of Refraction (n<sub>d</sub>):**  
1.458

**Fan Angle (°):**  
60.00

## Regulatory Compliance

**Certificate of Conformance:**  
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**Country of Origin:**  
United States

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
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## 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.