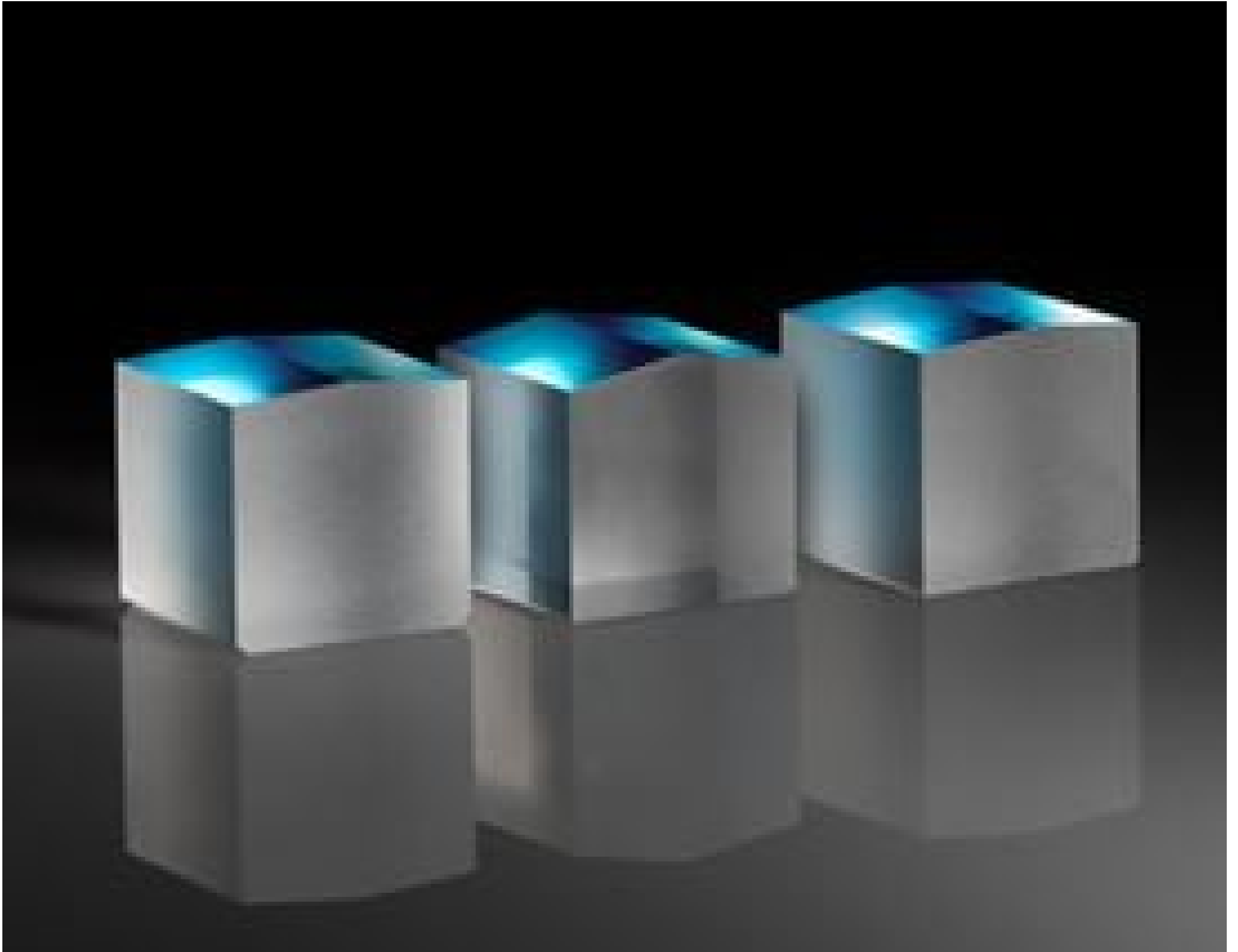


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## 15° Fan Angle, 500 - 850nm AR Coated, High Precision Powell Lens



Stock #70-139 **1 In Stock**

- 1 + MRP ₹32,790

**i** Price inclusive of all taxes

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | ₹32,790 each                  |
| Qty 11-49      | ₹29,460 each                  |
| Need More?     | <a href="#">Request Quote</a> |

### Product Downloads

### 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-BK7](#)

**Substrate:**

BBAR (500-850nm)

**Coating:**

500 - 850

**Wavelength Range (nm):**

R<sub>abs</sub> <1.0% @ 500 - 700nm  
R<sub>abs</sub> <1.5% @ 700 - 850nm

**Coating Specification:**

1.458

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

15.00

**Fan Angle (°):**

## Regulatory Compliance

[View](#)

**Certificate of Conformance:**

United States

**Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## 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.