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# 25.4mm Dia. x 250mm FL, Uncoated, ISP Optics Barium Fluoride (BaF<sub>2</sub>) PCX Lens | BF-PX-25-250

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Stock **#24-751** CLEARANCE CONTACT US

- 1 + MRP ₹23,912

**i** Price inclusive of all taxes

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#### Volume Pricing

Qty 1-9	₹23,912 each
Qty 10+	₹21,490 each
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#### General

Plano-Convex Lens **Type:**

BF-PX-25-250 **Model Number:**

## Physical & Mechanical Properties

25.40 +0.00/-0.13 **Diameter (mm):**

<3 **Centering (arcmin):**

2.70 ±0.20 **Center Thickness CT (mm):**

2.00 **Edge Thickness ET (mm):**

22.86 **Clear Aperture CA (mm):**

Protective as needed **Bevel:**

## Optical Properties

250.00 @5μm **Effective Focal Length EFL (mm):**

Uncoated **Coating:**

[Barium Fluoride \(BaF<sub>2</sub>\)](#) **Substrate:**

60-40 **Surface Quality:**

λ **Irregularity (P-V) @ 632.8nm:**

±2 **Focal Length Tolerance (%):**

112.72 **Radius R<sub>1</sub> (mm):**

9.84 **f#:**

0.05 **Numerical Aperture NA:**

200 - 12000 **Wavelength Range (nm):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 240:**

Latvia **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

- Excellent Transmission from 0.2 - 12μm
- Provides High Transmission without AR Coatings
- 25 – 500mm Focal Lengths Available

ISP Optics Barium Fluoride (BaF<sub>2</sub>) Plano-Convex (PCX) Lenses are ideal for collecting and focusing light in ultraviolet, visible, and infrared applications. Barium Fluoride has similar physical properties to Calcium Fluoride, but provides a higher resistance to high-energy radiation. However, it is less resistant to water and prolonged exposure to moisture can degrade transmission in the ultraviolet range. ISP Optics Barium Fluoride (BaF<sub>2</sub>) Plano-Convex (PCX) Lenses feature a low index of refraction that enables excellent transmission from 0.2- 12μm without the need for Anti-Reflection (AR) coatings. These lenses are available in standard imperial sizes with focal length options from 25 – 500mm.

**Note:** These lenses are very sensitive to thermal shock.

## Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools

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