

[See all 102 Products in Family](#)

16mm Dia. x 8.3mm FL, PCX Condenser Lens



Stock #22-842 **20+ In Stock**

[Other Coating Options](#)

A\$85⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	A\$85.60 each
Qty 11-49	A\$78.40 each
Need More?	Request Quote

Product Downloads

General

Condenser Lens **Type:**

Physical & Mechanical Properties

16.00 +0.0/-0.2 **Diameter (mm):**

≤30 **Centering (arcmin):**

Clear Aperture CA (mm):

14.40

Edge Thickness ET (mm):

1.39

Center Thickness CT (mm):

7.00 ±0.30

Bevel:

Protective as needed

Shape of Back Surface:

Convex

Optical Properties

Effective Focal Length EFL (mm):

8.30

Numerical Aperture NA:

0.96

Back Focal Length BFL (mm):

5.58

Substrate: □

H-K9L

Focal Length Tolerance (%):

±8

Coating:

Uncoated

Surface Quality:

80-50 (typical)

f/#:

0.52

Radius R₂ (mm):

-7.20

Conjugate Distance:

Infinite

Regulatory Compliance

Certificate of Conformance:

[View](#)

Product Details

- Molded Illumination Lenses
- Aspheric or Spherical Designs
- High Numerical Apertures

Condenser Lenses are molded lenses designed for illumination applications. Featuring large apertures and short focal lengths, Condenser Lenses are commonly used in emitter-detector applications, projection applications, or condensing illumination applications such as Koehler Illumination. The Aspheric Condenser Lenses are molded on the aspheric surface and ground and polished on the opposite face, offering superior performance. The Plano-Convex (PCX) Condenser Lenses are molded on both surfaces, offering excellent value.

Technical Information

