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100mm Dia x 400mm Focal Length, MgF₂ Coated, PCX Condenser Lens



Stock #19-907 [CONTACT US](#)

- 1 + £173.⁶⁰

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Volume Pricing	
Qty 1-10	£173.60 each
Qty 11-49	£156.80 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Condenser Lens **Type:**

Physical & Mechanical Properties

100.00 +0.0/-0.5 **Diameter (mm):**

10.00 **Center Thickness CT (mm):**

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

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

Protective as needed **Bevel:**

Optical Properties

400.00 @ 587.6nm **Effective Focal Length EFL (mm):**

393.00 **Back Focal Length BFL (mm):**

MgF₂ (400-700nm) **Coating:**

R_{avg} ≤ 1.75% @ 400 - 700nm **Coating Specification:**

N-BK7 **Substrate:**

120-80 **Surface Quality:**

206.70 **Radius R₁ (mm):**

4.00 **f#:**

0.13 **Numerical Aperture NA:**

400 - 700 **Wavelength Range (nm):**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

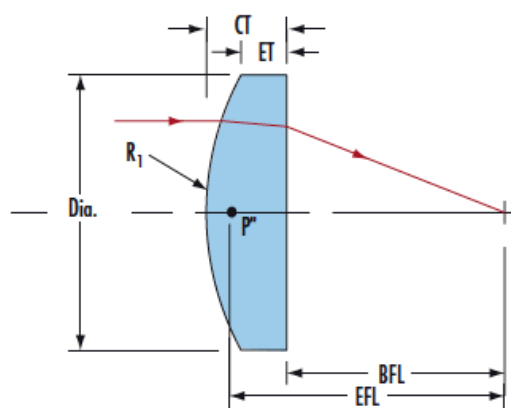
Compliant **Reach 235:**

Product Details

- Large Sizes Available – 100 to 250mm Diameter
- Polished Surfaces for Superior Precision vs. Cast Optics
- Wavelength Range of 350-2200nm

Large PCX Condenser Lenses are condenser lenses that concentrate light into a projected beam. They are used in projectors, enlargers, spotlights, and other projection and illumination applications. Our large condensers are available in sizes not available in our standard PCX lenses and are available in a variety of focal lengths. Combine two condenser lenses of the same focal length to produce a system with half the focal length of a single lens. Large PCX Condenser Lenses are available uncoated or with a MgF₂ coating. These lenses feature a N-BK7 substrate and are offered in diameters ranging from 100 to 250mm.

Technical Information



Coating Curves