

200mm Dia x 400mm Focal Length, PCX Condenser Lens












Stock #27-513 **20+ In Stock**

1 C\$599^{.20}

ADD TO CART

Volume Pricing	
Qty 1-10	C\$599.20 each
Qty 11-49	C\$525.00 each
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Product Downloads	
 STEP:step	 PDF Drawing:pdf
 IGES:igs	 Zemax:zar
 Zemax:zmx	 eDrawing:eprt
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General

Type: Condenser Lens

Physical & Mechanical Properties

Diameter (mm): 200.00 +0.0/-0.5	Center Thickness CT (mm): 31.00
Edge Thickness ET (mm): 5.24	Clear Aperture CA (mm): 195
Bevel: Protective as needed	

Optical Properties

Effective Focal Length EFL (mm): 400.00 @ 587.6nm	Back Focal Length BFL (mm): 380.00
Coating: Uncoated	Substrate:  N-BK7
Surface Quality: 120-80	Radius R₁ (mm): 207.00
f/#: 2.00	Numerical Aperture NA: 0.25
Wavelength Range (nm): 350 - 2200	

Regulatory Compliance

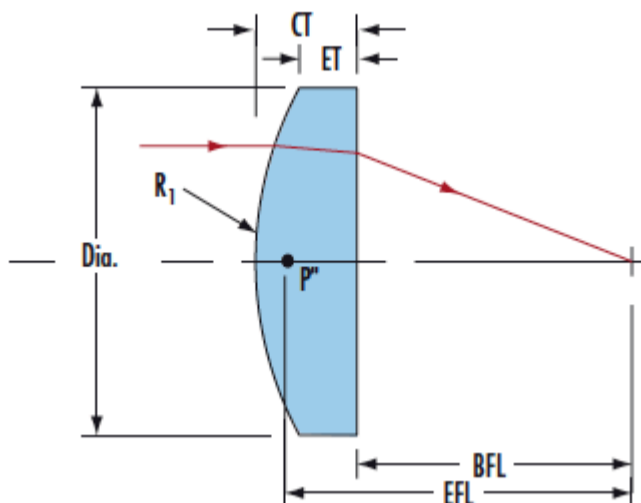
RoHS 2015: Compliant	Reach 219: Compliant
Certificate of Conformance: View	

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



Frequently Purchased Together



#27-501 - 100mm Dia x 200mm Focal Length, PCX Condenser Lens
C\$176.40

Qty



#27-502 - 100mm Dia x 300mm Focal Length, PCX Condenser Lens
C\$151.20

Qty



#27-505 - 125mm Dia x 250mm Focal Length, PCX Condenser Lens
C\$194.60

Qty



#03-670 - 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount
C\$159.60

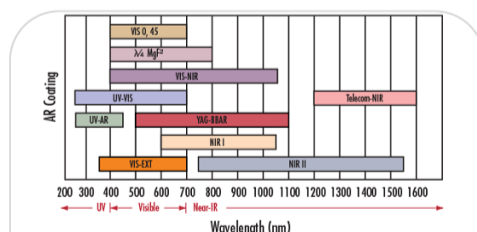
Qty



Resources

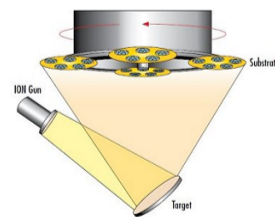
Media Type

- Application Note
- Technical Tool
- Trending in Optics
- FAQ
- Glossary
- Video



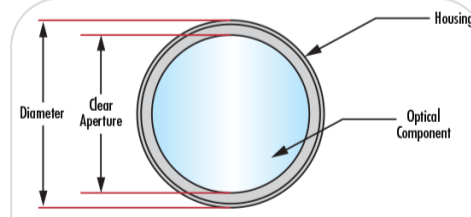
APPLICATION NOTE

Anti-Reflection (AR) Coatings



APPLICATION NOTE

An Introduction to Optical Coatings



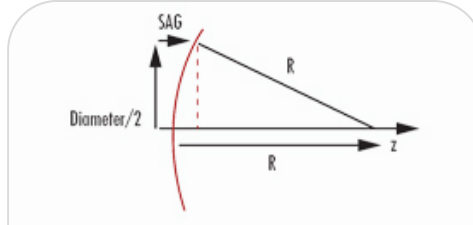
APPLICATION NOTE

Understanding Optical Specifications



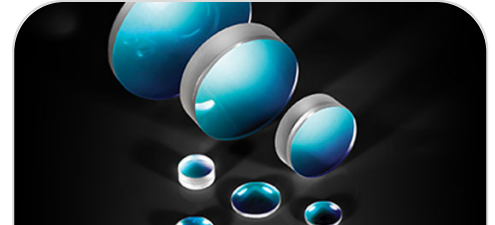
APPLICATION NOTE

Lens Geometry Performance Comparison



TECHNICAL TOOL

SAG Calculator



TRENDING IN OPTICS

Future of Spherical Lenses

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