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12mm Dia. x 48mm FL, Commercial Grade, Plano-Convex Lens



Stock #23-075 CLEARANCE 20+ In Stock

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1 £16⁴⁰

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Volume Pricing	
Qty 1+	£16.40 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Plano-Convex Lens **Type:**

Physical & Mechanical Properties

12.00 +0.00/-0.10 **Diameter (mm):**

6.00 **Centering (arcmin):**

Edge Thickness ET (mm):

1.26

Clear Aperture CA (mm):
≥10.2

Optical Properties

Effective Focal Length EFL (mm):
48.00

Back Focal Length BFL (mm):
46.69

Coating:
MgF₂ (400-700nm)

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

Substrate:
N-BK7

Focal Length Tolerance (%):
±1

Radius R₁ (mm):
24.81

f#:
4.00

Numerical Aperture NA:
0.13

Regulatory Compliance

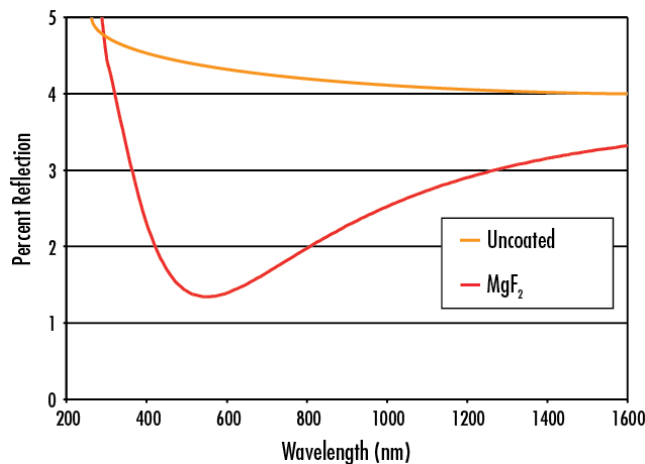
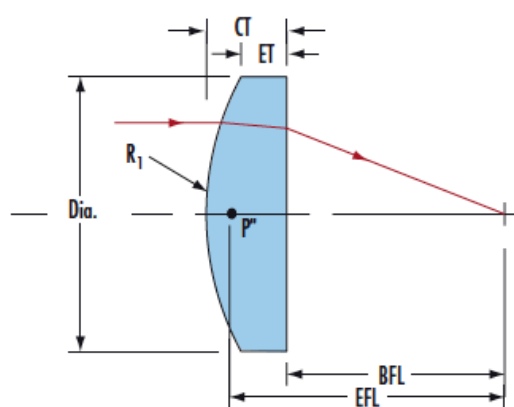
Certificate of Conformance:
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Product Details

- Feature Standard Designs and Specifications
- Also Available [Uncoated](#)
- For More Options, View [Precision Quality Plano-Convex \(PCX\) Lenses](#)

Plano convex lenses (PCX) have one flat and one outward curving face and a positive focal length. They are ideal for collecting and focusing light in imaging applications. They are also useful in a variety of applications involving emitters, detectors, lasers, and fiber optics. MgF₂ anti-reflection coating offers improved transmission in the visible spectrum. Commercial Grade MgF₂ Coated Plano-Convex (PCX) Lenses offer commercial quality, at an affordable price.

Technical Information



Coating Curves