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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 ⊕ €20<sup>50</sup>

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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:

MgF<sub>2</sub> (400-700nm)

Coating Specification:

R<sub>avg</sub> ≤1.75% @400 - 700nm

Substrate: □

N-BK7

Focal Length Tolerance (%):

±1

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

24.81

f#:

4.00

Numerical Aperture NA:

0.13

### Regulatory Compliance

Certificate of Conformance:

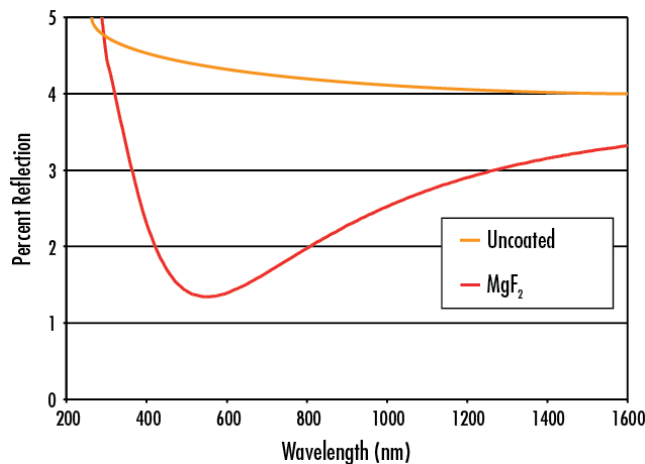
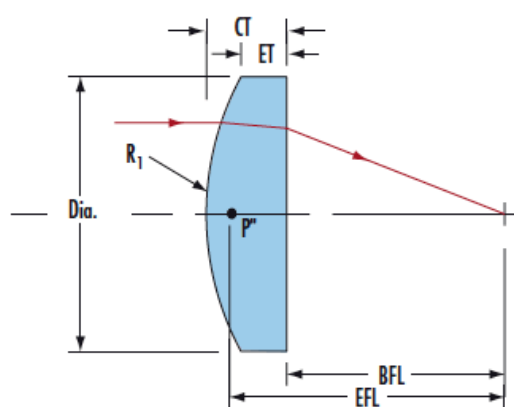
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## Product Details

- 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. MgF<sub>2</sub> anti-reflection coating offers improved transmission in the visible spectrum. Commercial Grade MgF<sub>2</sub> Coated Plano-Convex (PCX) Lenses offer commercial quality, at an affordable price.

## Technical Information



## Coating Curves