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50mm Diameter x 44mm FL, MgF₂ Coated, PCX Condenser Lens



Stock #15-541 **5 In Stock**

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⊖ 1 ⊕ £54⁴⁰

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Volume Pricing

Qty 1-10	£54.40 each
Qty 11-49	£48.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Condenser Lens **Type:**

Physical & Mechanical Properties

50.00 +0.2/-0.4 **Diameter (mm):**

≤25 **Centering (arcmin):**

18.80 ±0.25	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:
Optical Properties	
44.00	Effective Focal Length EFL (mm):
0.57	Numerical Aperture NA:
B270	Substrate: <input type="checkbox"/>
±7	Focal Length Tolerance (%):
MgF ₂ (400-700nm)	Coating:
R _{avg} ≤ 1.75% @ 400 - 700nm	Coating Specification:
80-50 (typical)	Surface Quality:
0.88	f#:
58.3	Abbe Number (v_d):
1.523	Index of Refraction (n_d):
Plano	Radius R₂ (mm):
400 - 700	Wavelength Range (nm):
Infinite	Conjugate Distance:

Material Properties	
9.4	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

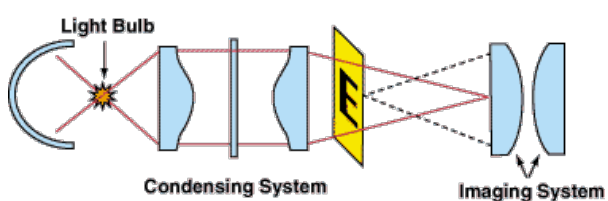
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

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





Coating Curves

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