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10.5mm Diameter x 9.45mm FL, MgF₂ Coated, Aspheric Condenser Lens



Stock #15-530 **4 In Stock**

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1 C\$88⁰⁰

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Volume Pricing	
Qty 1-10	C\$88.90 each
Qty 11-49	C\$79.80 each
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General

Condenser Lens **Type:**

Physical & Mechanical Properties

10.50 +0.00/-0.15 **Diameter (mm):**

≤30 **Centering (arcmin):**

Clear Aperture CA (mm):

9.8	Edge Thickness ET (mm):
1.1	
	Center Thickness CT (mm):
3.80 ±0.2	
	Bevel:
Protective as needed	
	Diameter of Asphere (mm):
10.5	
	Shape of Back Surface:
Plano	

Optical Properties

9.45	Effective Focal Length EFL (mm):
	Numerical Aperture NA:
0.56	
	Back Focal Length BFL (mm):
8.10	
	Substrate: <input type="checkbox"/>
N-F2	
	Focal Length Tolerance (%):
±7	
	Coating:
MgF ₂ (400-700nm)	
	Coating Specification:
R _{avg} ≤ 1.75% @ 400 - 700nm	
	Surface Quality:
80-50 (typical)	
	f#:
0.9	
	Abbe Number (v_d):
36.43	
	Index of Refraction (n_d):
1.620	
	Radius R₂ (mm):
Plano	
	Wavelength Range (nm):
400 - 700	
	Conjugate Distance:
Infinite	

Material Properties

7.8	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
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Regulatory Compliance

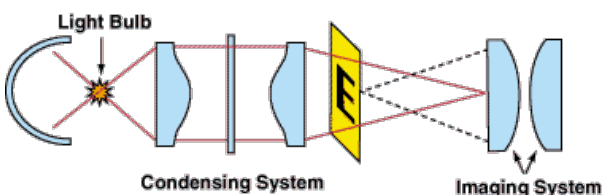
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

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
