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18.5mm Diameter x 12mm FL, Aspheric Condenser Lens



Stock **#84-882** **11 In Stock**

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1 **S\$74^{.00}**

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Volume Pricing	
Qty 1-10	S\$74.90 each
Qty 11-49	S\$67.20 each
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General

Condenser Lens **Type:**

Physical & Mechanical Properties

18.50 +0.00/-0.15 **Diameter (mm):**

≤30 **Centering (arcmin):**

Clear Aperture CA (mm):

17.5	Edge Thickness ET (mm):
1.5	
	Center Thickness CT (mm):
8.00 +0.5/-0.1	
	Bevel:
Protective as needed	
	Diameter of Asphere (mm):
18.5	
	Shape of Back Surface:
Convex	

Optical Properties

	Effective Focal Length EFL (mm):
12.00	
	Numerical Aperture NA:
0.77	
	Back Focal Length BFL (mm):
8.7	
	Substrate: <input type="checkbox"/>
B270	
	Focal Length Tolerance (%):
±7	
	Coating:
Uncoated	
	Surface Quality:
80-50 (typical)	
	f#:
0.6	
	Radius R₂ (mm):
11.3	
	Wavelength Range (nm):
350 - 2500	
	Conjugate Distance:
Infinite	

Regulatory Compliance

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

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



