

12mm Dia. x 19mm FL, Aspheric Condenser Lens, VIS-EXT



Stock **#72-482** **10 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ **A\$87⁻²⁰**

ADD TO CART

Volume Pricing

Qty 1-10	A\$87.20 each
Qty 11-49	A\$80.00 each
Need More?	Request Quote

Product Downloads

General

Condenser Lens **Type:**

Physical & Mechanical Properties

12.00 +0.0/-0.2 **Diameter (mm):**

≤30 **Centering (arcmin):**

Clear Aperture CA (mm):

10.80	Edge Thickness ET (mm):
3.12	
<hr/>	
	Center Thickness CT (mm):
5.00 ±0.30	
	Bevel:
Protective as needed	
<hr/>	
	Diameter of Asphere (mm):
12.00	
	Shape of Back Surface:
Plano	
<hr/>	
Optical Properties	
	Effective Focal Length EFL (mm):
19.00	
	Numerical Aperture NA:
0.32	
<hr/>	
	Back Focal Length BFL (mm):
15.70	
	Substrate: <input type="checkbox"/>
H-K51	
<hr/>	
	Focal Length Tolerance (%):
±5	
	Coating:
MS-EXT (350-700nm)	
<hr/>	
	Coating Specification:
$R_{avg} < 0.5\%$ @ 350 - 700nm	
	Surface Quality:
80-50 (typical)	
<hr/>	
	f#:
1.58	
	Radius R₂ (mm):
∞	
<hr/>	
	Wavelength Range (nm):
350 - 700	
	Conjugate Distance:
Infinite	

Regulatory Compliance

[View](#) **Certificate of Conformance:**

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



