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8mm Dia. x 5.6mm FL, MgF_2 Coated, Aspheric Condenser Lens

Stock **#21-193** **20+ In Stock**

Other Coating Options

- 1 + **C$72.80**

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Volume Pricing	
Qty 1-10	**C$72.80** each
Qty 11-25	**C$65.80** each
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General

Type:

Condenser Lens

Physical & Mechanical Properties

Diameter (mm):

8.00 +0.0/-0.2

Centering (arcmin):

≤30

Clear Aperture CA (mm):

7.2

Edge Thickness ET (mm):

1.33

Center Thickness CT (mm):

4.00 ±0.30

Bevel:

Protective as needed

Diameter of Asphere (mm):

8

Shape of Back Surface:

Convex

Optical Properties

Effective Focal Length EFL (mm):

5.60

Numerical Aperture NA:

0.71

Back Focal Length BFL (mm):

3.3

Substrate:

H-ZK2

Focal Length Tolerance (%):

±5

Coating:

MgF_2 (400-700nm)

Coating Specification:

$R_{avg} \leq 1.75\%$ @ 400 - 700nm

Surface Quality:

80-50 (typical)

f/#:

0.7

Radius R_2 (mm):

16.52

Wavelength Range (nm):

400 - 700

Conjugate Distance:

Infinite

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 235:

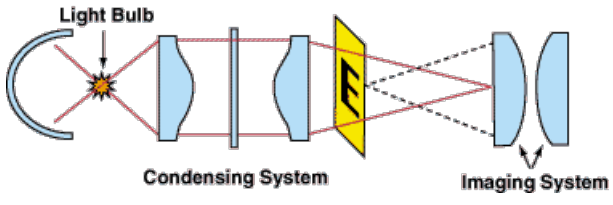
Compliant

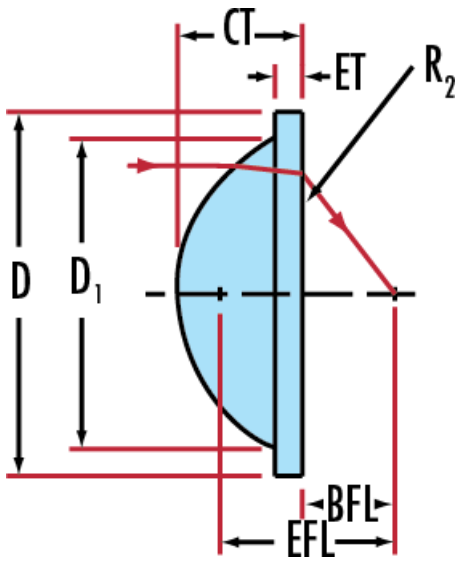
Product Details

- 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





Coating Curves

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