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15mm Diameter x 12mm FL, Aspheric Condenser Lens

Stock **#46-660** **20+ In Stock**

Other Coating Options

- 1 + A$85.60

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Volume Pricing	
Qty 1-10	**A$85.60** each
Qty 11-49	**A$76.80** each
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General

Type:

Condenser Lens

Physical & Mechanical Properties

Diameter (mm):

15.00 +0.1/-0.3

Centering (arcmin):

≤30

Clear Aperture CA (mm):

14

Edge Thickness ET (mm):
2.0

Center Thickness CT (mm):
7.50 ±0.2

Bevel:
Protective as needed

Diameter of Asphere (mm):
15.0

Shape of Back Surface:
Plano

Optical Properties

Effective Focal Length EFL (mm):
12.00

Numerical Aperture NA:
0.63

Back Focal Length BFL (mm):
8.2

Substrate:
B270

Focal Length Tolerance (%):
±7

Coating:
Uncoated

Surface Quality:
80-50 (typical)

f/#:
0.8

Abbe Number (v_d):
58.5

Index of Refraction (n_d):
1.523

Radius R_2 (mm):
Plano

Wavelength Range (nm):
350 - 2500

Conjugate Distance:
Infinite

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
9.4

Regulatory Compliance

RoHS 2015:
Compliant

Reach 224:
Compliant

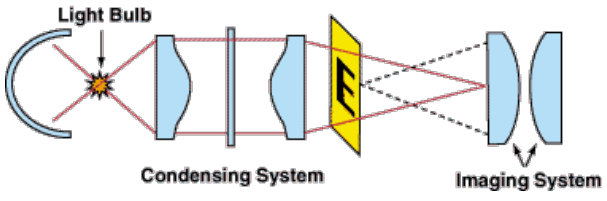
Certificate of Conformance:
View

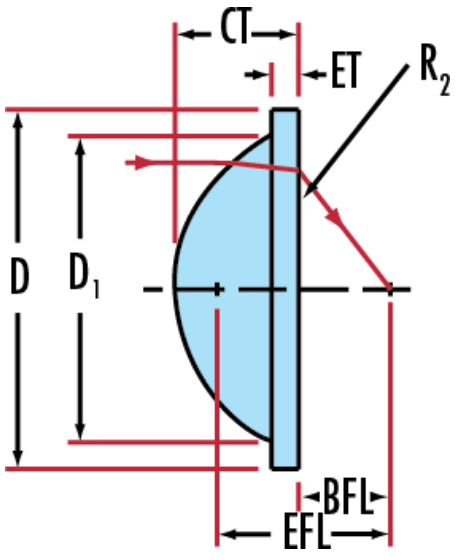
Product Details

- 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





Compatible Mounts

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