See all 102 Products in Family

50mm Diameter x 44mm FL, MgF_2 Coated, PCX Condenser Lens

Stock **#15-541** **6 In Stock**

Other Coating Options

- 1 + **MRP** **₹6,861**

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-10	**₹6,861** each
Qty 11-49	**₹6,053** each
Need More?	Request Quote

Product Downloads

General

Type:
Condenser Lens

Physical & Mechanical Properties

Diameter (mm):
50.00 +0.2/-0.4

Centering (arcmin):
≤25

Center Thickness CT (mm):
18.80 ±0.25

Bevel:
Protective as needed

Shape of Back Surface:
Plano

Optical Properties

Effective Focal Length EFL (mm):
44.00

Numerical Aperture NA:
0.57

Substrate:
B270

Focal Length Tolerance (%):
±7

Coating:
MgF_2 (400-700nm)

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

Surface Quality:
80-50 (typical)

f/#:
0.88

Abbe Number (v_d):
58.3

Index of Refraction (n_d):
1.523

Radius R_2 (mm):
Plano

Wavelength Range (nm):
400 - 700

Conjugate Distance:
Infinite

Material Properties

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

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

Country of Origin:
China

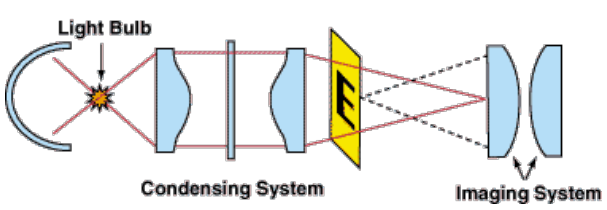
Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

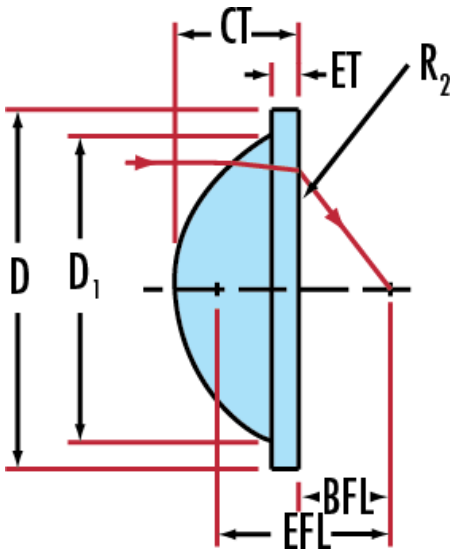
Product Details

- 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

;