

[See all 102 Products in Family](#)

45mm Dia. x 32mm FL, MgF₂ Coated, Aspheric Condenser Lens



Stock #21-202 **3 In Stock**

[Other Coating Options](#)

- 1 + MRP ₹8,020

Price inclusive of all taxes

ADD TO CART

Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-10 | ₹8,020 each |
| Qty 11-25 | ₹7,264 each |
| Need More? | Request Quote |

Product Downloads

General

Condenser Lens **Type:**

Physical & Mechanical Properties

45.00 +0.0/-0.2 **Diameter (mm):**

≤30 **Centering (arcmin):**

| | |
|--|--|
| 40.5 | Clear Aperture CA (mm): |
| 2.18 | Edge Thickness ET (mm): |
| 18.50 ±0.30 | Center Thickness CT (mm): |
| Protective as needed | Bevel: |
| 45 | Diameter of Asphere (mm): |
| Convex | Shape of Back Surface: |
| Optical Properties | |
| 32.00 | Effective Focal Length EFL (mm): |
| 0.70 | Numerical Aperture NA: |
| 20.9 | Back Focal Length BFL (mm): |
| H-K51 | Substrate: <input type="checkbox"/> |
| ±5 | Focal Length Tolerance (%): |
| MgF ₂ (400-700nm) | Coating: |
| R _{avg} ≤ 1.75% @ 400 - 700nm | Coating Specification: |
| 80-50 (typical) | Surface Quality: |
| 0.71 | f#: |
| 130 | Radius R₂ (mm): |
| 400 - 700 | Wavelength Range (nm): |
| Infinite | Conjugate Distance: |

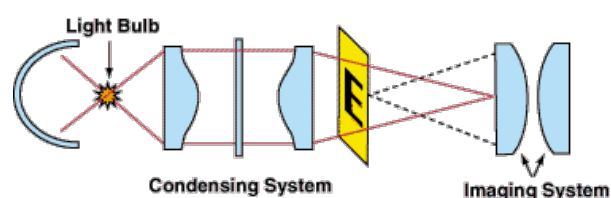
| | |
|---|------------------------------------|
| Regulatory Compliance | |
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 235: |
| China | Country of Origin: |
| Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000 | Imported By: |

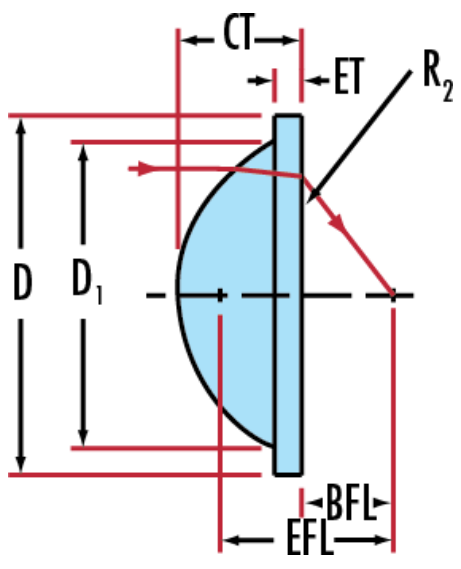
Product Details

- 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

;