

12mm Dia. x 10.4mm FL, Uncoated Molded Aspheric Condenser Lens



Molded Aspheric Condenser Lenses

Stock **#88-286** **20+ In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ £28⁴⁰

ADD TO CART

Volume Pricing	
Qty 1-10	£28.40 each
Qty 11-49	£25.60 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Condenser Lens

Type:

Note:
[Click here](#) for more information on the ISO 10110 surface quality specification.

Physical & Mechanical Properties

12.00 +/-0.3 **Diameter (mm):**

≤30 **Centering (arcmin):**

9.50 **Clear Aperture CA (mm):**

1.67 **Edge Thickness ET (mm):**

5.50 ±0.20 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

12.0 **Diameter of Asphere (mm):**

Convex **Shape of Back Surface:**

Optical Properties

10.40 @ 587.6nm **Effective Focal Length EFL (mm):**

0.57 **Numerical Aperture NA:**

6.00 **Back Focal Length BFL (mm):**

[Liba2000+](#) **Substrate:**

±5 **Focal Length Tolerance (%):**

Uncoated **Coating:**

Molded Side: 5/3 x0.4; E 0.2
Polished Side: 5/3 x0.25; E 0.2 **Surface Quality:**

0.87 **f#:**

25.0 **Radius R₂ (mm):**

350 - 2000 **Wavelength Range (nm):**

Infinite **Conjugate Distance:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

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

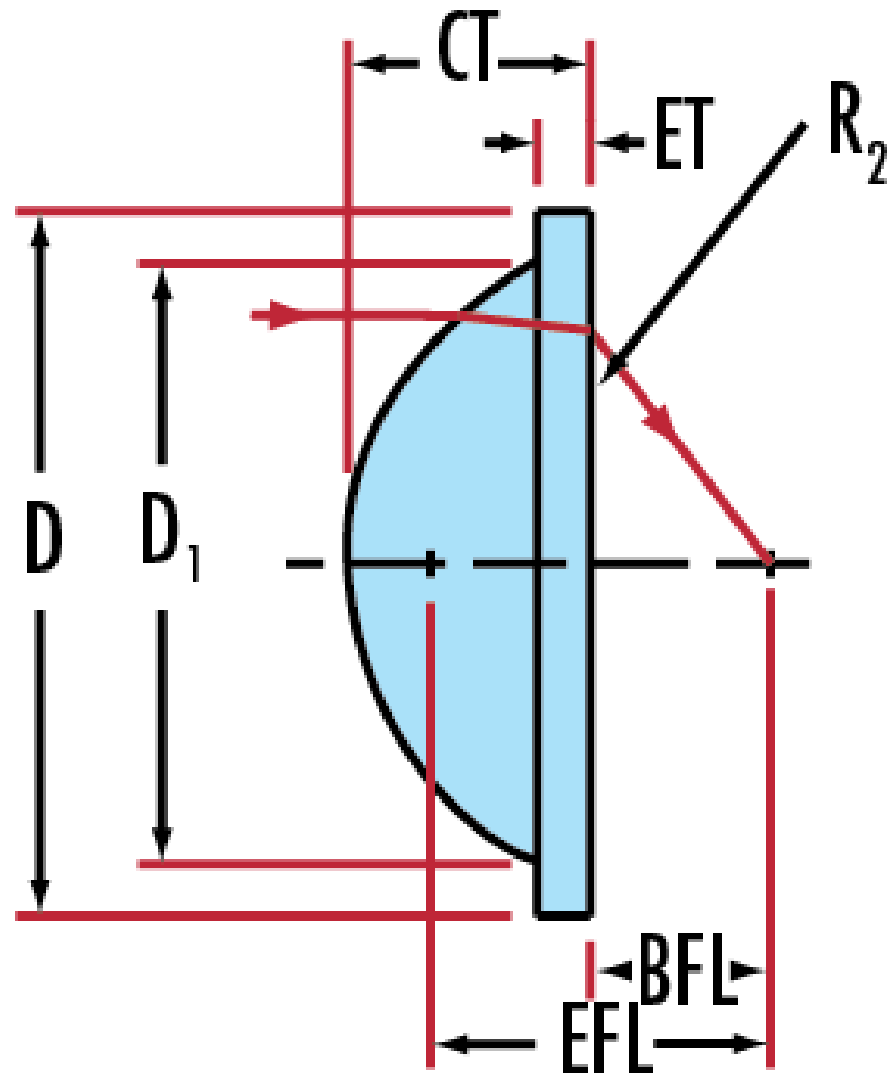
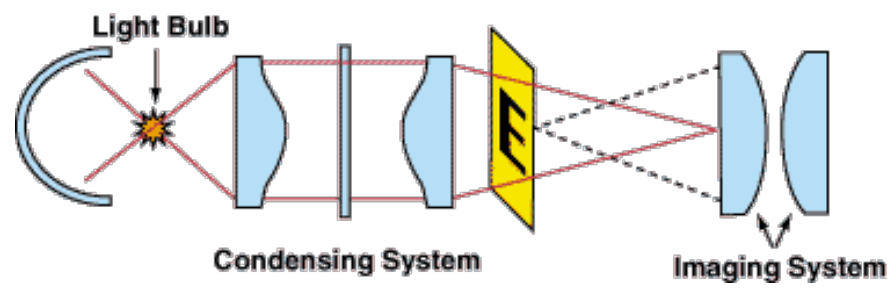
[Compliant](#) **Reach 242:**

PRODUCT DETAILS

- Hardened for Improved Durability
- High Numerical Apertures
- Ideal for Illumination Applications

Molded Aspheric Condenser Lenses are pressed, hardened, and annealed to meet precise optical and mechanical specifications. The hardening process improves the durability of the lenses, making them less susceptible to thermal shock and scratching than traditionally polished lenses. These Molded Aspheric Condenser Lenses are ground and polished on the second surface, enhancing the overall precision of the lenses. Molded Aspheric Condenser lenses are ideal for a wide range of illumination and detection applications, including biotech instruments such as DNA sequencers and polymerase chain reaction (PCR) testing platforms.

TECHNICAL INFORMATION



COMPATIBLE MOUNTS