# 24.9mm Dia. x 17mm FL, Aspheric Condenser Lens, VIS-EXT

Stock **#72-485** **2 In Stock**

Other Coating Options

- 1 + S$81.20

ADD TO CART

| Volume Pricing | |
|---|---|
| Qty 1-10 | **S$81.20** each |
| Qty 11-49 | **S$72.80** each |
| Need More? | Request Quote |

Product Downloads

## SPECIFICATIONS

### General

| | |
|---|---|
| **Type:** | Condenser Lens |

### Physical & Mechanical Properties

**Diameter (mm):**
24.90 +0.0/-0.2

**Centering (arcmin):**
≤30

**Clear Aperture CA (mm):**
22.41

**Edge Thickness ET (mm):**
1.90

**Center Thickness CT (mm):**
11.00 ±0.30

**Bevel:**
Protective as needed

**Diameter of Asphere (mm):**
24.90

**Shape of Back Surface:**
Plano

## Optical Properties

**Effective Focal Length EFL (mm):**
17.00

**Numerical Aperture NA:**
0.73

**Back Focal Length BFL (mm):**
9.80

**Substrate:**
H-K51

**Focal Length Tolerance (%):**
±5

**Coating:**
VIS-EXT (350-700nm)

**Coating Specification:**
$R_{avg}$ <0.5% @ 350 - 700nm

**Surface Quality:**
80-50 (typical)

**f/#:**
0.68

**Radius $R_2$ (mm):**
∞

**Wavelength Range (nm):**
350 - 700

**Conjugate Distance:**
Infinite

## Regulatory Compliance

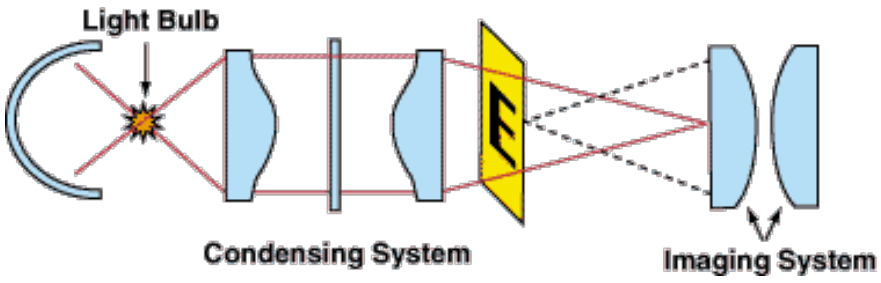
**Certificate of Conformance:**
View

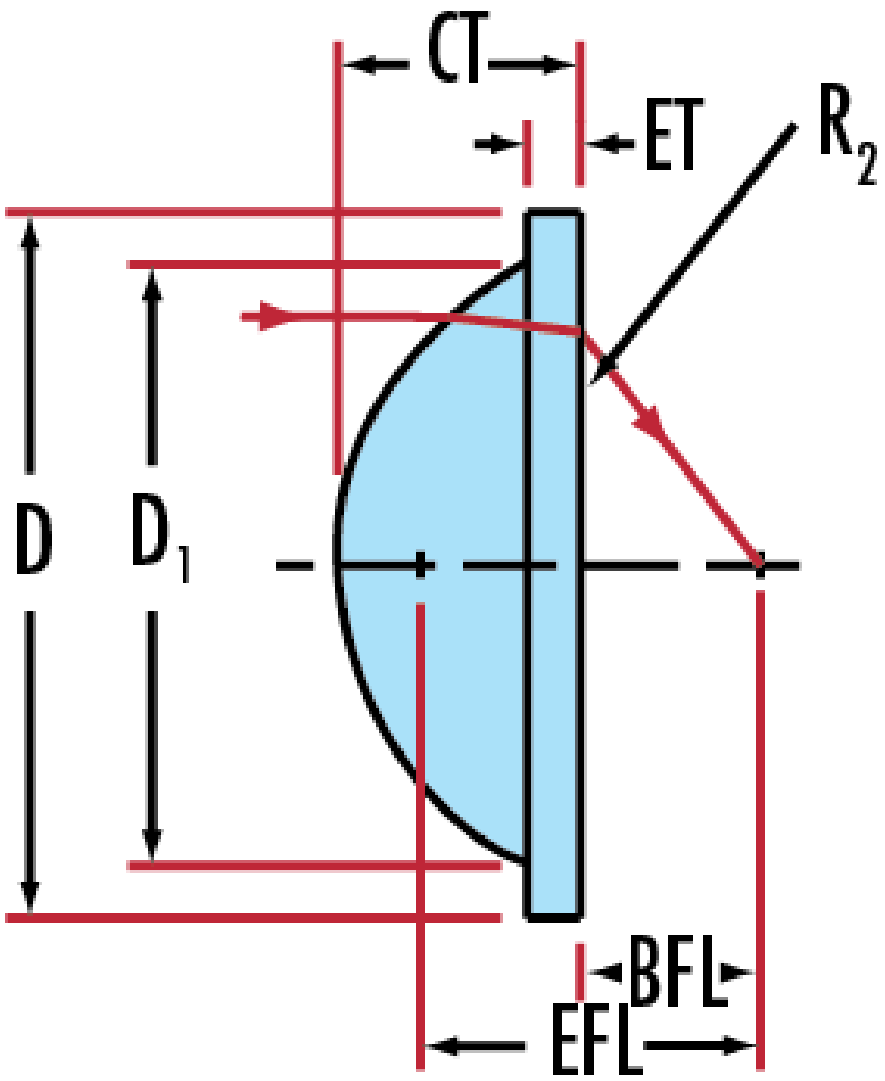
# PRODUCT DETAILS

- 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




CT
ET
R2
D
D1
BFL
EFL