

**TECHSPEC® 25mm, f/16 Ci Series Fixed Focal Length Lens**



25mm Focal Length

Stock #85-337 **5 In Stock**

⊖ 1 ⊕ ₹13,268

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**General**

Ci Series **Series:**  
Fixed Focal Length Lens **Type:**

**Physical & Mechanical Properties**

Fixed **Iris Option:**  
29.90 **Length (mm):**

26.5 **Maximum Diameter (mm):**

26.5 **Outer Diameter (mm):**

28 **Weight (g):**

1.33 **Maximum Rear Protrusion (mm):**

26.50 **Diameter (mm):**

## Optical Properties

**Horizontal Field of View @ Max Sensor Format:**  
35mm - 19.8°

**Field of View at Max Sensor Format:**  
Horizontal: 33.3mm - 19.8°  
Vertical: 24.9mm - 14.9°  
Diagonal: 41.8mm - 24.6°

**Horizontal Field of View, 2/3" Sensor:**  
35mm - 19.8°

**Horizontal Field of View, 1/1.8" Sensor:**  
28.5mm - 16.1°

**Horizontal Field of View, 1/2" Sensor:**  
25.4mm - 14.5°

**Horizontal Field of View, 1/2.5" Sensor:**  
22.6mm - 12.9°

**Horizontal Field of View, 1/3" Sensor:**  
19mm - 10.9°

**Horizontal Field of View, 1/4" Sensor:**  
14.2mm - 8.2°

11.00 **Maximum Image Circle (mm):**

0.0067 **Numerical Aperture NA, Object Side:**

7 (6) **Number of Elements (Groups):**

25.00 **Focal Length FL (mm):**

100 - ∞ **Working Distance (mm):**

f/16 **Aperture (f#):**

425 - 675nm BBAR **Coating:**

425 - 675nm BBAR **Coating Specification:**

15.89 **Entrance Pupil Position (mm):**

18.77 **Object Space Principal Plane (mm):**

-12.44 **Image Space Principal Plane (mm):**

0.21 **Maximum Distortion (%):**

-15.68 **Exit Pupil Position (mm):**

VIS **Lens Wavelength Range:**

## Sensor

2/3" **Maximum Sensor Format:**

2.74 **Pixel Size (µm):**

## Threading & Mounting

M25.5 x 0.50 (Male) **Filter Thread:**

[#89-941 \(Required\)](#) **Filter Thread Adapter:**

M22.0 x 0.75 (Male) **Front Thread:**

C-Mount **Mount:**

## Environmental & Durability Factors

Storage Temperature (°C):

-20 to +60

Type of Ruggedization:

Industrial (Fixed Aperture with Simplified Mechanics)

## Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 235:

Compliant

Country of Origin:

China

Imported By:

Edmund Optics India Private Limited

## Product Details

These compact lenses are designed specifically for volume integration into applications such as analytical medical devices, including benchtop-based blood analyzers. For customized  $f\#$  versions to best suit your instrumentation application needs and to discuss volume requirements, please [contact us](#).

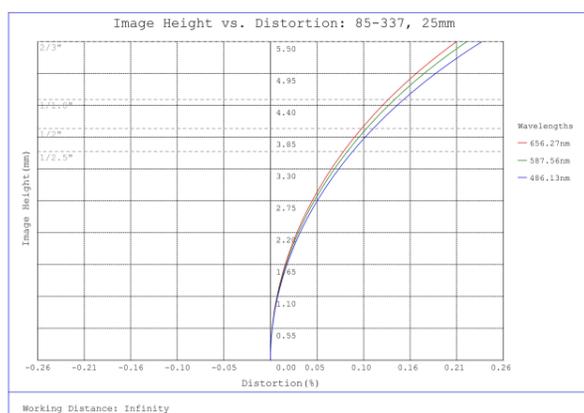
- Up to 2/3", C-Mount Lens
- Up to 7.5 MegaPixels, 2.8 $\mu$ m Pixel Size Sensors
- Instrumentation (Ci) Versions of our C Series Lenses with Streamlined Mechanical Designs and Fixed Apertures
- 3.5mm to 50mm Focal Length
- [Ruggedized \(Cr\) Designs](#) Also Available

TECHSPEC® Ci Series Fixed Focal Length Lenses are a streamlined version of our C Series Fixed Focal Length Lenses. They feature the same low lens-to-lens variation and broadband anti-reflection (BBAR) coating for maximum light transmission, while offering reduced weight and size. An adjustable, lockable focus allows for setting and locking the best focus position for instrumentation integration. TECHSPEC® Ci Series Fixed Focal Length Lenses are designed specifically for volume integration into applications such as factory inspection and automation to benchtop biomedical devices. The Ci Series offers a wide range of aperture options, ensuring maximum flexibility of resolution, throughput, and depth of field.

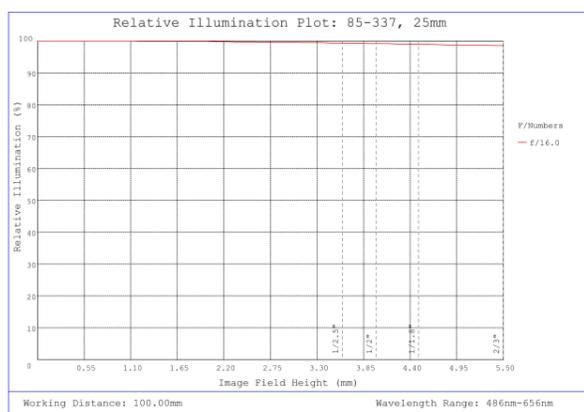
Edmund Optics has created a family of high performance optical designs (the C Series family) and developed 6 customized optomechanical solutions targeted for specific applications. These lens sub-families utilize the same optics as the C Series lenses providing the same optical performance in a variety of optomechanical solutions to meet your application requirements:

- **C Series:** Features locking cam focus and iris adjustment and is the most adjustable version of these optical designs; they are the typical high quality machine vision lenses. Also available with a [VIS-NIR Broadband Anti-Reflection \(BBAR\) Coating](#).
- **Ci Series:** Simplified mechanics featuring fixed apertures with compact housing. [Industrial Ruggedization](#) for reduced size, cost, and locked focus.
- **Cr Series:** All optics glued in place and a locking C-clamp focus ring. [Stabilized Ruggedization](#) for reduced pixel shift and improved focus stability.
- **Cx Series:** Modular, flexible mechanics allows lenses to be taken apart for easy integration of accessories such as liquid lenses, apertures, and more.
- **Liquid Lens Cx Series:** Designed with an integrated liquid lens for quick autofocus.
- **Cw Series:** Waterproof, designed to meet IEC [Ingress Protection](#) Code IPX7 and IPX9K.

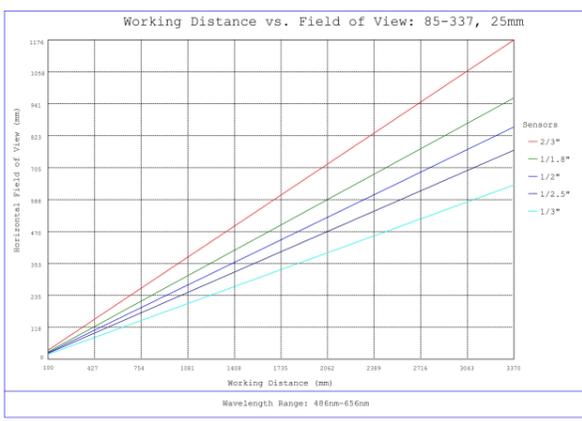
## Technical Information



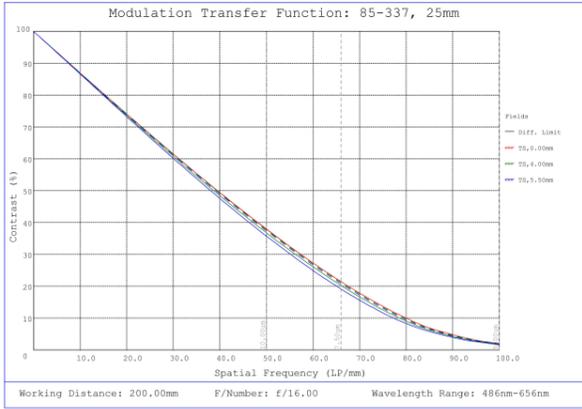
#85-337, 25mm, f/16 Ci Series Fixed Focal Length Lens, Distortion Plot



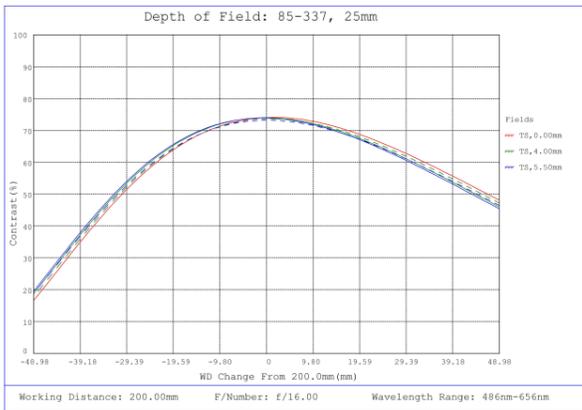
#85-337, 25mm, f/16 Ci Series Fixed Focal Length Lens, Relative Illumination Plot



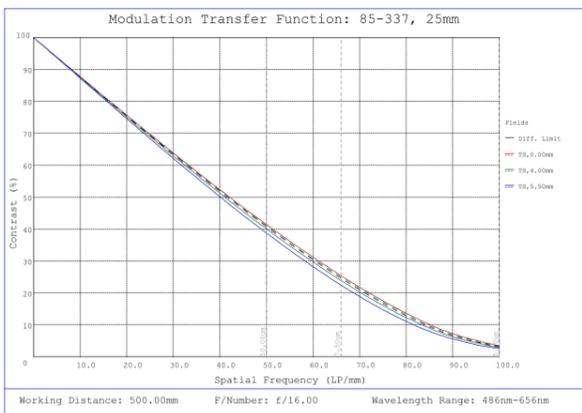
#85-337, 25mm, f/16 Ci Series Fixed Focal Length Lens, Working Distance versus Field of View Plot



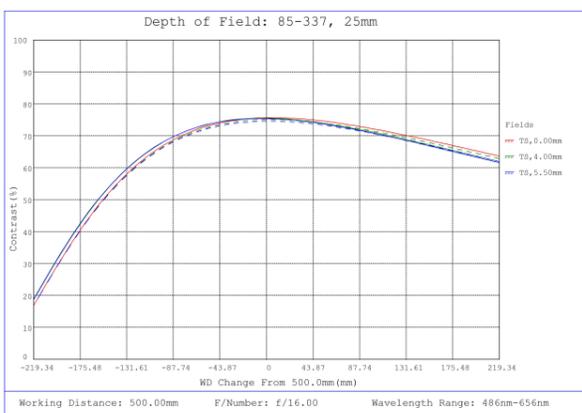
#85-337, 25mm, f/16 Ci Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 200mm Working Distance, f16



#85-337, 25mm, f/16 Ci Series Fixed Focal Length Lens, Depth of Field Plot, 200mm Working Distance, f16

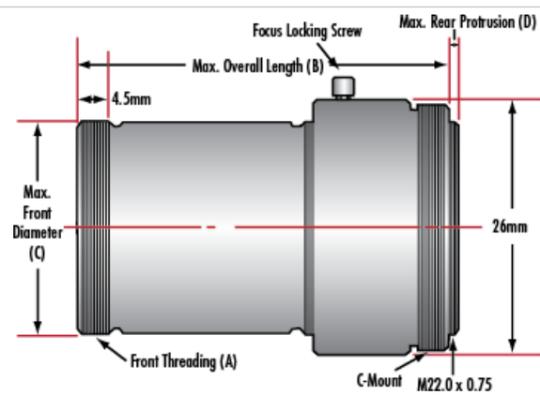


#85-337, 25mm, f/16 Ci Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 500mm Working Distance, f16



#85-337, 25mm, f/16 Ci Series Fixed Focal Length Lens, Depth of Field Plot, 500mm Working Distance, f16

Focal Length	A	B	C	D
6mm	M34.0 x 0.5	47.8mm	34mm	1.17mm
12mm	M22.0 x 0.75	29.0mm	22mm	0.96mm
16mm	M22.0 x 0.75	40.8mm	22mm	1.09mm
25mm	M22.0 x 0.75	29.9mm	22mm	1.33mm
35mm	M25.5 x 0.5	41mm	22.5mm	3.82mm
50mm	M30.5 x 0.5	49.5mm	30.5mm	2.06mm



## Compatible Cameras

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