

**TECHSPEC® 25mm FL f/2.5, Blue Series M12 Lens**



25mm FL Blue Series M12 Lens



Stock #58-207 **5 In Stock**

- 1 + MRP ₹9,027

Price inclusive of all taxes

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Volume Pricing	
Qty 1-49	₹9,027 each
Qty 50+	₹7,143 each
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**General**

Blue Series **Product Family:**

M12 Imaging Lens **Type:**

No **IR Cut Filter:**

Imaging Lens Type:  
High Performance M12 Lens

## Physical & Mechanical Properties

Iris Option:  
Fixed

Length (mm):  
30.00

Maximum Diameter (mm):  
18

Outer Diameter (mm):  
18

Weight (g):  
12

## Optical Properties

Horizontal Field of View @ Max Sensor Format:  
16.2°

Field of View at Max Sensor Format:  
Horizontal: 40.0mm - 16.2°  
Vertical: 26.5mm - 10.9°  
Diagonal: 44.3mm - 18°

Horizontal Field of View, 1/1.8" Sensor:  
40.0mm - 16.2°

Horizontal Field of View, 1/2" Sensor:  
35.4mm - 14.5°

Horizontal Field of View, 1/2.5" Sensor:  
32.1mm - 13.1°

Horizontal Field of View, 1/3" Sensor:  
26.5mm - 10.9°

Horizontal Field of View, 1/4" Sensor:  
19.9mm - 8.2°

Maximum Image Circle (mm):  
9.00

Numerical Aperture NA, Object Side:  
0.0322

Number of Elements (Groups):  
6(5)

Wavelength Range (nm):  
400 - 700

Focal Length FL (mm):  
25.00

Working Distance (mm):  
150 - ∞

Aperture (f#):  
f/2.5

Distortion (%):  
0.59 @ Full Field

Back Focal Length BFL (mm):  
8.5 - 6.5

Coating Specification:  
M4 MgF<sub>2</sub> @ 550nm

Entrance Pupil Position (mm):  
4.15

Object Space Principal Plane (mm):  
11.90

Image Space Principal Plane (mm):  
-19.03

Maximum Distortion (%):  
-0.59

Exit Pupil Position (mm):  
-30.25

Lens Wavelength Range:  
VIS

## Sensor

Maximum Sensor Format:  
1/1.8"

Pixel Size (μm):  
1.40

## Threading & Mounting

Filter Thread:  
N/A

Mount:

## Regulatory Compliance

**Compliant** **RoHS 2015:**

**View** **Certificate of Conformance:**

**Compliant** **Reach 247:**

**China** **Country of Origin:**

**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

- Up to 1/2", S-Mount Lens
- Up to 5 MegaPixels, 1.4µm Pixel Size Sensors
- High Resolution Board Camera Lens Optimized for Close WD
- 2mm to 35mm Focal Length
- **Ruggedized Designs** Also Available

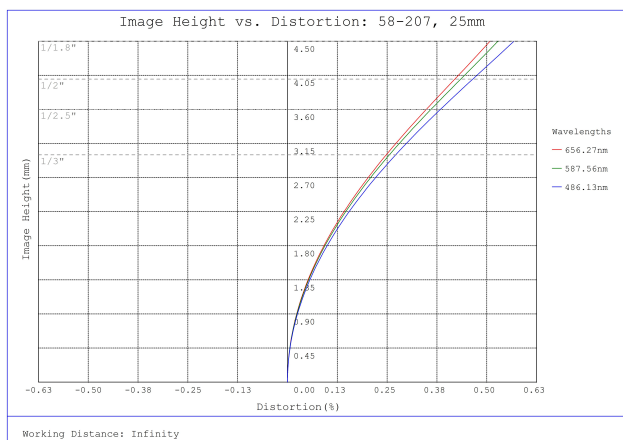
TECHSPEC® Blue Series M12 Lenses feature high resolution performance, along with the same great versatility of our **TECHSPEC® Green Series M12 Lenses**. Each lens consists of several precision glass elements mounted in a compact, aluminum housing. These lenses can connect to C-Mount cameras using the M12 x0.5 Adapter for C-Mount Cameras (**#53-675**) or the M12 x0.5 C-Mount Adapter with Rubber O-Ring (**#59-241**) for vibration-sensitive environments. TECHSPEC® Blue Series M12 Lenses are ideal for automotive, industrial, and medical imaging application. Prescription data is available by submitting a **Request for Prescription Form**.

**Note:** Compatible **TECHSPEC® M12 Imaging Lens Accessories** available.

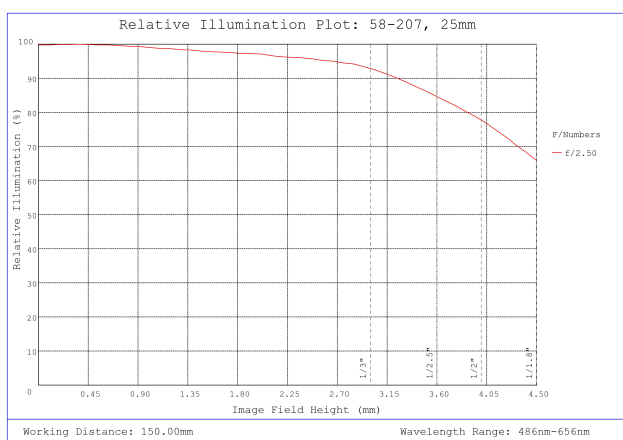
Edmund Optics has created multiple product families of our TECHSPEC® M12 S-Mount Lenses, which are designed to provide high resolution. These high performance lenses feature precision glass designs in a metal housing and have optimized specifications between each product family to meet your application needs.

- **Blue Series M12 Lenses:** High resolution finite conjugate designs optimized for machine vision working distances.
- **Rugged Blue Series M12 Lenses:** Stabilized ruggedization versions of our Blue Series M12 Lenses, utilizing the same optics.
- **Green Series M12 Lenses:** Finite conjugate designs optimized for machine vision working distances.
- **Red Series M12 Lenses:** Infinite conjugate designs optimized for high resolution performance out to infinity.
- **HEO Series M12 Lenses:** Harsh Environment Optics (HEO) sealed versions of our Red Series M12 Lenses.
- **Liquid Lens M12 Lenses:** Integrated liquid lens for fast electronic focus.

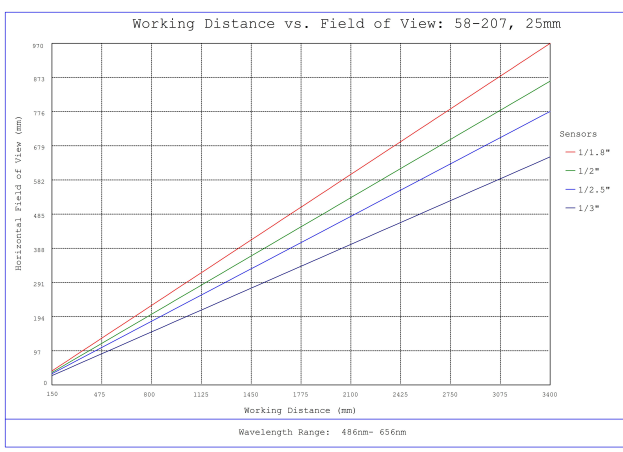
## Technical Information



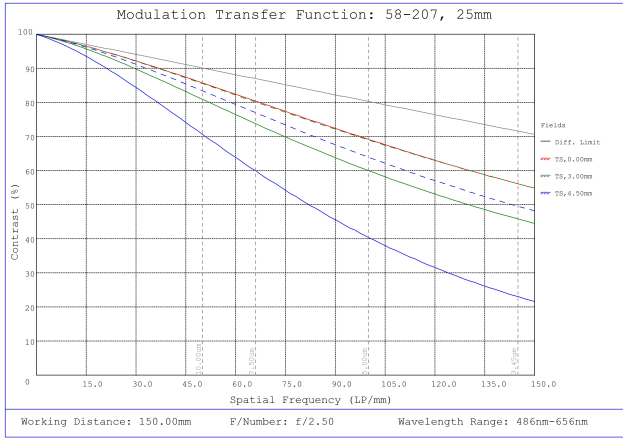
#58-207, 25mm FL f/2.5, Blue Series M12 Lens, Distortion Plot



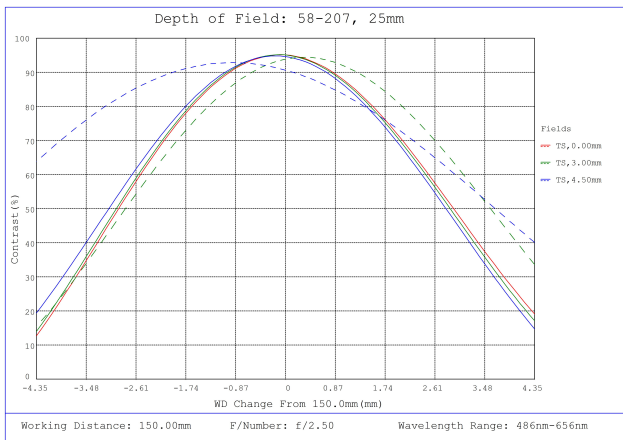
#58-207, 25mm FL f/2.5, Blue Series M12 Lens, Relative Illumination Plot



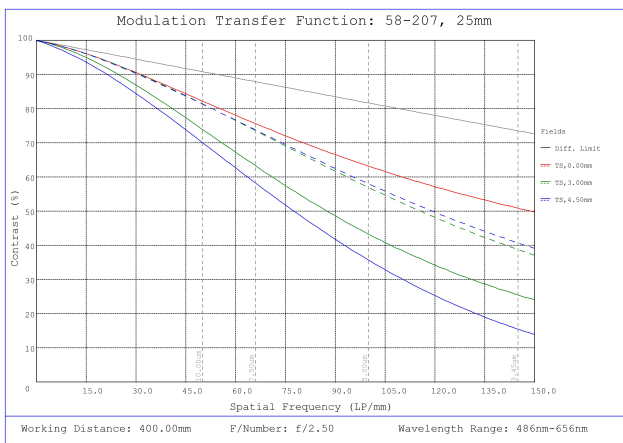
#58-207, 25mm FL f/2.5, Blue Series M12 Lens, Working Distance versus Field of View Plot



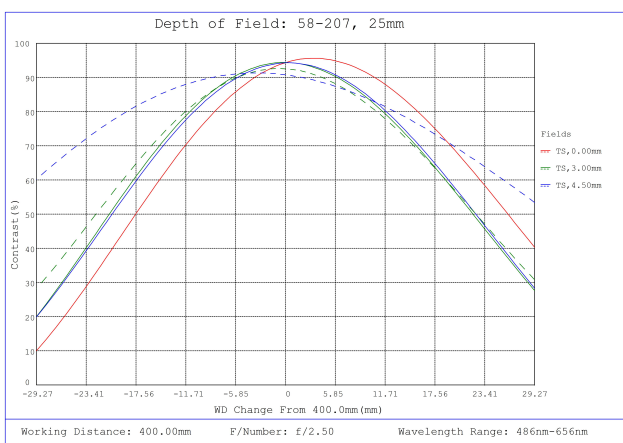
#58-207, 25mm FL f/2.5, Blue Series M12 Lens, Modulated Transfer Function (MTF) Plot, 150mm Working Distance, f2.5



#58-207, 25mm FL f/2.5, Blue Series M12 Lens, Depth of Field Plot, 150mm Working Distance, f2.5



#58-207, 25mm FL f/2.5, Blue Series M12 Lens, Modulated Transfer Function (MTF) Plot, 400mm Working Distance, f2.5

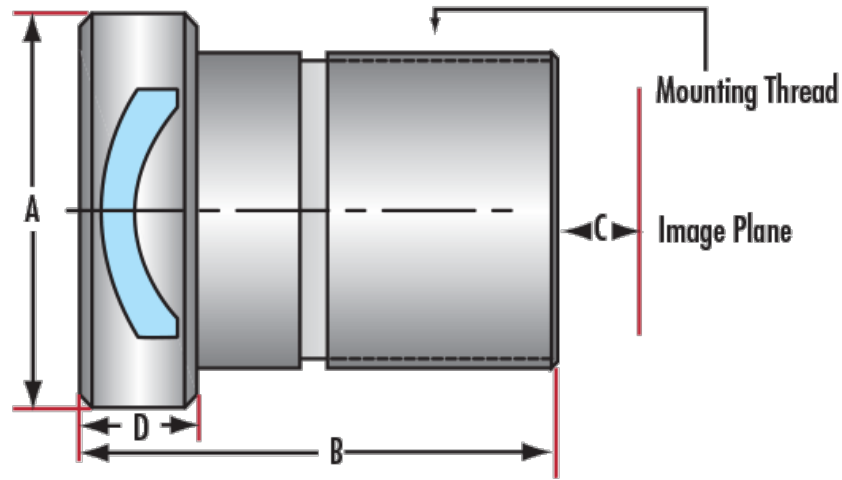


#58-207, 25mm FL f/2.5, Blue Series M12 Lens, Depth of Field Plot, 400mm Working Distance, f2.5

Focal Length	A	B	C*	D
2.0mm	18.0mm	21.7mm	2.26mm	4.75mm
3.0mm	14.0mm	17.1mm	4.8 - 4.7mm	5.8mm



4.0mm	14.0mm	19.7mm	6.1 - 6.0mm	4.4mm
5.0mm	14.0mm	14.6mm	4.0 - 3.9mm	3.7mm
6.0mm	14.0mm	14.1mm	6.9 - 6.8mm	4.5mm
8.0mm	14.0mm	12.3mm	8.8 - 8.6mm	3.7mm
10.0mm	14.0mm	17.0mm	6.6 - 6.3mm	3.7mm
12.5mm	15.0mm	22.9mm	10.1 - 9.7mm	4.8mm
17.5mm	14.0mm	20.7mm	5.8 - 4.9mm	7.6mm
25.0mm	18.0mm	30.0mm	8.5 - 6.5mm	11.5mm
35.0mm	18.0mm	29.5mm	18.72 - 14.0mm	14.5mm



\*Specified for Optimized Working Distance of 150 - 250mm.