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## 3mm FL, f/2.8, Low Distortion M12 Lens



3mm FL, Low Distortion M12 Lens

Stock **#75-199** NEW CONTACT US

-
1
+
MRP ₹25,564

● Price inclusive of all taxes

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### Volume Pricing

Qty 1+	₹25,564 each
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### General

**Product Family:**  
Ultra Low Distortion Wide Angle Lenses

**Imaging Lens Type:**  
M12 Imaging Lens

### Physical & Mechanical Properties

**Iris Option:**  
Fixed

**Length (mm):**  
22.28

16.0	<b>Maximum Diameter (mm):</b>
16.0	<b>Outer Diameter (mm):</b>
6	<b>Weight (g):</b>
22.28	<b>Maximum Length (mm):</b>

## Optical Properties

76.9°	<b>Horizontal Field of View @ Max Sensor Format:</b>
Horizontal: 76.9° Vertical: 61.6° Diagonal: 89.6°	<b>Field of View at Max Sensor Format:</b>
7.20	<b>Maximum Image Circle (mm):</b>
3.00	<b>Focal Length FL (mm):</b>
100 - ∞	<b>Working Distance (mm):</b>
f/2.8	<b>Aperture (f/#):</b>
-0.02	<b>Maximum Distortion (%):</b>
-53.1	<b>Exit Pupil Position (mm):</b>
VS	<b>Lens Wavelength Range:</b>

## Sensor

1/2.5"	<b>Optimized Sensor Format:</b>
1/2.5"	<b>Maximum Sensor Format:</b>

## Threading & Mounting

S-Mount (M12 x 0.5)	<b>Mount:</b>
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## Environmental & Durability Factors

-20 to +60	<b>Storage Temperature (°C):</b>
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## Regulatory Compliance

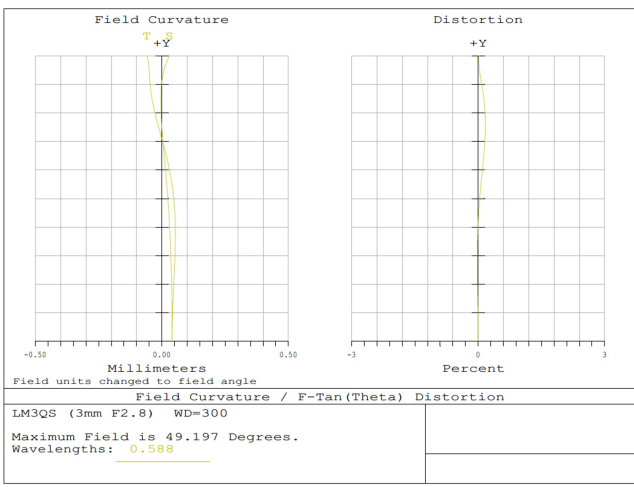
<a href="#">View</a>	<b>Certificate of Conformance:</b>
Japan	<b>Country of Origin:</b>
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	<b>Imported By:</b>

## Product Details

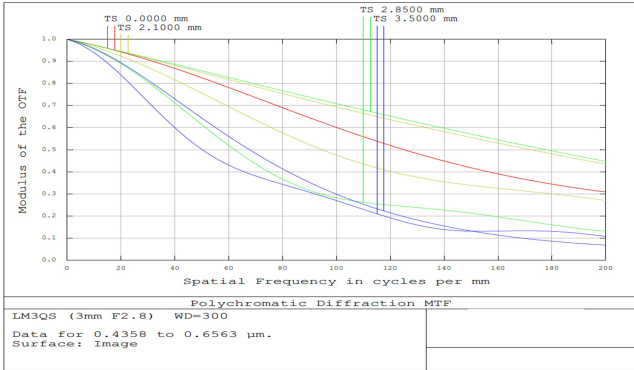
- Distortion as low as -0.02%
- Up to 1/1.8", S-Mount Options
- 1.7mm - 5mm Focal Lengths

Ultra Low Distortion Wide Angle Lenses are designed to achieve less than -0.02% distortion over a 76.9° field of view, less than -0.32% distortion over a 109.1° field of view, or less than -0.51% distortion over a 59.8° field of view. The ultra-low distortion values of these lenses ensure imaging with straight lines and natural object shapes, helping to reduce post-processing requirements. These lenses offer high transmission from the VIS to NIR and are available in focal lengths of 1.70, 3.00, and 5.00mm. Ultra Low Distortion Wide Angle Lenses' low focal lengths allow for capturing more of the scene in a single frame. These lenses are ideal for surveillance, security, robotics, drive assistance systems, and [factory automation applications](#).

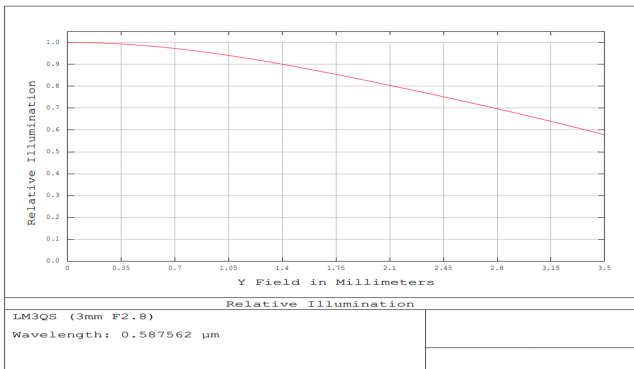
## Technical Information



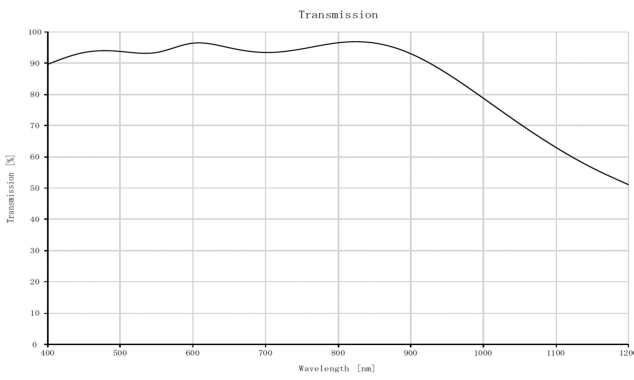
3mm FL, f/2.8, Low Distortion M12 Lens, Distortion Plot



3mm FL, f/2.8, Low Distortion M12 Lens, MTF Plot



3mm FL, f/2.8, Low Distortion M12 Lens, Relative Illumination Plot



3mm FL, f/2.8, Low Distortion M12 Lens, Transmission Plot