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## 1.8 - 3.0mm FL C-Mount, Manual Iris, Wide Angle Lens



1.8 - 3.0mm FL C-Mount, Manual Iris, Wide Angle Lens, #89-524

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### General

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

**Type:**  
Varifocal Lens

### Physical & Mechanical Properties

**Iris Option:**  
Variable

**Length (mm):**  
45.00

39.0 **Maximum Diameter (mm):**

39 **Outer Diameter (mm):**

70.00 **Weight (g):**

## Optical Properties

105 - 77° **Horizontal Field of View, 1/3" Sensor:**

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

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

500 - ∞ **Working Distance (mm):**

f/1.8 - Closed **Aperture (f/#):**

<1 **Distortion (%):**

<1 **Maximum Distortion (%):**

VIS **Lens Wavelength Range:**

## Sensor

1/2.3" **Maximum Sensor Format:**

4.50 **Pixel Size (µm):**

## Threading & Mounting

N/A **Filter Thread:**

C-Mount **Mount:**

## Regulatory Compliance

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

[Contains SVHC\(s\)](#) **Reach 224:**

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

## Product Details

- Up to 1/2.5", C-Mount and CS-Mount options
- Up to 3 MegaPixel and Down to 1% Distortion
- No Refocusing from 100mm to Infinity
- 1.28mm to 40mm Focal Length

Low Distortion Wide Angle Lenses maintain high resolution for applications with long working distance requirements and can accommodate multi-megapixel camera sensors. The optical design of these low-distortion wide-angle lenses enables users to achieve less than 3% distortion over a 125° field of view, or less than 1% distortion over a 110° field of view. These lenses feature a locking screw for the manual iris enabling the use in high vibration environments. Low Distortion Wide Angle Lenses are ideal for security and surveillance, machine vision, or [factory automation](#) applications. These lenses do not require refocusing from 100mm to Infinity.

**Note:** Image will be flipped (180° rotation). Auto Iris Options require cameras with P-Iris or DC Iris control.