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



Image represents #22-793; Design will vary by stock number.

Stock **#22-795** **5 In Stock**

⊖ 1 ⊕ £616<sup>00</sup>

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### Product Downloads

#### General

Product Family:  
Low Distortion Wide Angle Lenses

Type:  
Varifocal Lens

#### Physical & Mechanical Properties

Iris Option:  
DC Auto Iris

Length (mm):

45.30

Maximum Diameter (mm):

50

Outer Diameter (mm):

50

Weight (g):

63

## Optical Properties

Horizontal Field of View @ Max Sensor Format:

120° - 92°

Horizontal Field of View, 1/3" Sensor:

105 - 77°

Maximum Image Circle (mm):

7.70

Focal Length FL (mm):

1.80

Working Distance (mm):

300 - ∞

Aperture (f/#):

F/1.8 - Closed

Distortion (%):

<1

Maximum Distortion (%):

<1

Lens Wavelength Range:

VIS

## Sensor

Maximum Sensor Format:

1/2.3"

Pixel Size (µm):

4.50

## Threading & Mounting

Filter Thread:

N/A

Mount:

C-Mount

## Regulatory Compliance

Certificate of Conformance:

[View](#)

## 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.