# TECHSPEC® 8mm FL f/8, Blue Series M12 Lens

8mm Blue Series M12 Lens

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**Length (mm):**
12.30

**Maximum Diameter (mm):**
14

**Outer Diameter (mm):**
14.0

**Weight (g):**
3

**Horizontal Field of View, 1/3" Sensor:**
94.0mm - 34.2°

**Maximum Image Circle (mm):**
6.00

**Numerical Aperture NA, Object Side:**
0.0032

**Horizontal Field of View @ Max Sensor Format:**
94.0mm - 34.2°

**Number of Elements (Groups):**
5(5)

**Wavelength Range (nm):**
400 - 700

**Type:**
M12 Imaging Lens

**Focal Length FL (mm):**
8.00

**Primary Magnification PMAG:**
0.053X

**Maximum Sensor Format:**
1/3"

**Working Distance (mm):**
150 - ∞

**Mount:**
M12 x 0.5 (S-Mount)

**Aperture (f/#):**
f/8

**Distortion (%):**
-3.63 @ Full Field

**Back Focal Length BFL (mm):**
8.8 - 8.6

**Coating Specification:**
λ/4 $MgF_2$ @ 550nm

**Entrance Pupil Position (mm):**
5.04

**Horizontal Field of View, 1/4" Sensor:**
69.8mm - 25.7°

**Object Space Principal Plane (mm):**
8.13

**Image Space Principal Plane (mm):**
0.94

**Field of View at Max Sensor Format:**
Horizontal: 92.8mm - 34.2°
Vertical: 68.9mm - 25.7°
Diagonal: 117.5mm - 42.6°

**IR Cut Filter:**
No

**Exit Pupil Position (mm):**
-4.09

**Lens Wavelength Range:**
VIS

**Imaging Lens Type:**
High Performance M12 Lens

## Regulatory Compliance

**RoHS 2015:**
Compliant

**Reach 223:**
Compliant

**Certificate of Conformance:**
View