

**TECHSPEC® 100mm Focal Length, LF Series Fixed Focal Length Lens**



100mm Focal Length, #85-204

Stock **#85-204** 3-4 DAYS

- 1 + **€1.500,00**

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€1.500,00

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**Iris Option:**  
Variable

**Length (mm):**  
104.00

**Horizontal Field of View, 1/2" Sensor:**  
29.2mm - 3.7°

**Horizontal Field of View, 2/3" Sensor:**  
40.1mm - 5.0°

**Filter Thread:**

|                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| M46 x0.75 (Female)                                                                                                                  |
| <b>Maximum Diameter (mm):</b><br>61                                                                                                 |
| <b>Weight (g):</b><br>564                                                                                                           |
| <b>Horizontal Field of View, 1/3" Sensor:</b><br>21.9mm - 2.7°                                                                      |
| <b>Maximum Rear Protrusion (mm):</b><br>0                                                                                           |
| <b>Horizontal Field of View, 1" Sensor:</b><br>58.4mm - 7.3°                                                                        |
| <b>Maximum Image Circle (mm):</b><br>43.30                                                                                          |
| <b>Numerical Aperture NA, Object Side:</b><br>0.0318                                                                                |
| <b>Horizontal Field of View @ Max Sensor Format:</b><br>164.5mm - 20.3°                                                             |
| <b>Horizontal Field of View, 35mm Sensor:</b><br>164.5mm - 20.3°                                                                    |
| <b>Horizontal Field of View, 4/3" Sensor:</b><br>102.2mm - 12.7°                                                                    |
| <b>Horizontal Field of View, 1.1" Sensor:</b><br>64.8mm - 8.1°                                                                      |
| <b>Number of Elements (Groups):</b><br>8 (5)                                                                                        |
| <b>Horizontal Field of View, 1/1.8" Sensor:</b><br>32.8mm - 4.1°                                                                    |
| <b>Horizontal Field of View, 1/2.5" Sensor:</b><br>26.4mm - 3.3°                                                                    |
| <b>Type:</b><br>Fixed Focal Length Lens                                                                                             |
| <b>Focal Length FL (mm):</b><br>100.00                                                                                              |
| <b>Primary Magnification PMAQ:</b><br>0.22                                                                                          |
| <b>Maximum Sensor Format:</b><br>35mm                                                                                               |
| <b>Working Distance (mm):</b><br>500 - ∞                                                                                            |
| <b>Mount:</b><br>F-Mount                                                                                                            |
| <b>Aperture (f/#):</b><br>f/2.8 - f/22                                                                                              |
| <b>Coating:</b><br>λ/4 MgF <sub>2</sub>                                                                                             |
| <b>Coating Specification:</b><br>λ/4 MgF <sub>2</sub>                                                                               |
| <b>Entrance Pupil Position (mm):</b><br>55.2                                                                                        |
| <b>Horizontal Field of View, 1/4" Sensor:</b><br>16.4mm - 2.1°                                                                      |
| <b>Object Space Principal Plane (mm):</b><br>48.56                                                                                  |
| <b>Image Space Principal Plane (mm):</b><br>-51.39                                                                                  |
| <b>Field of View at Max Sensor Format:</b><br>Horizontal: 158.2mm - 19.7°<br>Vertical: 118.6mm - 14.8°<br>Diagonal: 198.1mm - 24.5° |
| <b>Maximum Distortion (%):</b><br>0.06                                                                                              |
| <b>Horizontal Field of View, APS-H Sensor:</b><br>133.3mm - 16.6°                                                                   |
| <b>Horizontal Field of View, APS-C Sensor:</b><br>102.2mm - 12.7°                                                                   |
| <b>Exit Pupil Position (mm):</b><br>-45.16                                                                                          |
| <b>Lens Wavelength Range:</b><br>VIS                                                                                                |
| <b>Imaging Lens Type:</b><br>Lens for Large Format Sensors                                                                          |
| <b>Storage Temperature (°C):</b><br>-20 to +60 For questions regarding operating temperature please contact our support team        |

Regulatory Compliance

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