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## 150mm FL, 1064nm Edmund Optics® F-Theta Lens



Stock #15-180 CLEARANCE **1 In Stock**

- 1 + £540.<sup>00</sup>

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### Product Downloads

### General

F-Theta Lens **Type:**

### Physical & Mechanical Properties

87 **Maximum Diameter (mm):**

189.5 **Flange Distance (mm):**

12 **Input Beam Diameter, 1/e<sup>2</sup> (mm):**

54.3 Maximum Length (mm):

## Optical Properties

152.20 Focal Length FL (mm):

±22.62 Scan Angle (°):

86.0 x 86.0 Scan Field (mm):

Not Specified Telecentricity (°):

≥95 Transmission (%):

171.2 Working Distance (mm):

1064 Design Wavelength DWL (nm):

1064 Wavelength Range (nm):

26 Focus Size Diameter, 1/e<sup>2</sup> (μm):

## Threading & Mounting

M85 x 1.0 Mounting Threads:

## Regulatory Compliance

[View](#) Certificate of Conformance:

## Product Details

- Ideal for Laser Scanning Applications
- Diffraction Limited Across the Scan Field with Low Wavefront Error
- Long Working Distances and Large Scan Areas
- [Galvanometers](#), [Beam Expanders](#), and [Laser Sources](#) Also Available

Edmund Optics® F-Theta Lenses are designed to provide flat fields at the image plane of scanning systems and are used in conjunction with [galvanometers](#), [beam expanders](#), and [laser sources](#). These F-Theta Lenses feature compact form factors, offer a wide range of focal lengths up to 273mm, and large scan fields up to 164mm (X) x 164mm (Y). Optimized for common fiber laser sources and Nd:YAG fundamental or second harmonic, these lenses are available in design wavelengths of 532nm and 1064nm with common mounting threads for easy integration into galvo systems. Edmund Optics® F-Theta Lenses are a cost-effective solution for laser scanning and laser processing applications including laser marking, engraving, cutting, drilling, and 3D modeling.