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## 270mm FL, 1064nm Edmund Optics® F-Theta Lens



Stock #15-183 CLEARANCE 3 In Stock

€875<sup>.00</sup>

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Qty 1+	€875,00 each
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#### General

F-Theta Lens Type:

#### Physical & Mechanical Properties

106 Maximum Diameter (mm):

352.5 Flange Distance (mm):

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

73.2      **Maximum Length (mm):**

## Optical Properties

273.20      **Focal Length FL (mm):**

±24.10      **Scan Angle (°):**

164.0 x 164.0      **Scan Field (mm):**

Not Specified      **Telecentricity (°):**

≥95      **Transmission (%):**

313.0      **Working Distance (mm):**

1064      **Design Wavelength DWL (nm):**

1064      **Wavelength Range (nm):**

31      **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.