

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



Stock **#15-183** CLEARANCE **4 In Stock**

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1

+

C\$1,225<sup>.00</sup>

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| Qty 1+         | C\$1,225.00 each              |
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### SPECIFICATIONS

| General                          |       |
|----------------------------------|-------|
|                                  | Type: |
| F-Theta Lens                     |       |
| Physical & Mechanical Properties |       |

106Maximum Diameter (mm):

|                       |                                             |
|-----------------------|---------------------------------------------|
| 352.5                 | Flange Distance (mm):                       |
| 12                    | Input Beam Diameter, 1/e <sup>2</sup> (mm): |
| 73.2                  | Maximum Length (mm):                        |
| Optical Properties    |                                             |
| 1064                  | Design Wavelength DWL (nm):                 |
| 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                  | Wavelength Range (nm):                      |
| 31                    | Focus Size Diameter, 1/e <sup>2</sup> (µm): |
| Threading & Mounting  |                                             |
| M85 x 1.0             | Mounting Threads:                           |
| Regulatory Compliance |                                             |
| <a href="#">View</a>  | 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.