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

Stock **#15-180** CLEARANCE **2 In Stock**

- 1 + **€675**.00

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Qty 1+	**€675,00** each
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General

Type:
F-Theta Lens

Physical & Mechanical Properties

Maximum Diameter (mm):
87

Flange Distance (mm):
189.5

Input Beam Diameter, $1/e^2$ (mm):
12

Maximum Length (mm):	54.3

Optical Properties

Focal Length FL (mm):	152.20
Scan Angle (°):	±22.62
Scan Field (mm):	86.0 x 86.0
Telecentricity (°):	Not Specified
Transmission (%):	≥95
Working Distance (mm):	171.2
Design Wavelength DWL (nm):	1064
Wavelength Range (nm):	1064
Focus Size Diameter, $1/e^2$ (µm):	26

Threading & Mounting

Mounting Threads:	M85 x 1.0

Regulatory Compliance

Certificate of Conformance:	View

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.

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