

TECHSPEC[®] 35mm TFL-II Mount LH Series Fixed Focal Length Lens



#13-809: 35mm TFL-II Mount LH Series Fixed Focal Length Lens

Stock **#13-809** 20+ In Stock

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1

+

€2.615⁰⁰

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Volume Pricing	
Qty 1+	€2.615,00 each
Need More?	Request Quote

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

LH Series	Series:
Fixed Focal Length Lens	Type:
Very High Performance Lens	Imaging Lens Type:

Physical & Mechanical Properties

Iris Option:

Variable	
Length (mm):	175.80
Maximum Diameter (mm):	75
Outer Diameter (mm):	75
Weight (g):	1029
Maximum Rear Protrusion (mm):	0

Optical Properties

Horizontal Field of View @ Max Sensor Format:	312.5mm - 57.8°
Horizontal Field of View, 35mm Sensor:	312.5mm - 57.8°
Horizontal Field of View, APS-H Sensor:	247.3mm - 47.3°
Horizontal Field of View, APS-C Sensor:	185.9mm - 36.4°
Horizontal Field of View, 4/3" Sensor:	142.0mm - 28.2°
Horizontal Field of View, 1.1" Sensor:	115.9mm - 23.2°
Horizontal Field of View, 1" Sensor:	104.2mm - 20.9°
Horizontal Field of View, 2/3" Sensor:	71.3mm - 14.4°
Horizontal Field of View, 1/1.8" Sensor:	58.3mm - 11.8°
Horizontal Field of View, 1/2" Sensor:	51.8mm - 10.5°
Maximum Image Circle (mm):	43.30
Numerical Aperture NA, Object Side:	0.02137
Number of Elements (Groups):	11 (9)
Focal Length FL (mm):	35.00
Working Distance (mm):	250 - ∞
Aperture (f/#):	f/2.8 - f/22
Distortion (%):	<6.8
Coating:	λ/4 MgF ₂
Coating Specification:	λ/4 MgF ₂
Maximum Distortion (%):	6.8
Lens Wavelength Range:	VIS

Sensor

Optimized Sensor Format:	APS-H
Maximum Sensor Format:	35mm (43.3mm Image Circle)

Pixel Size (μm):	2.20
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Threading & Mounting

Filter Thread:	M72 x0.75 (Female)
Mount:	TFL-II Mount

Regulatory Compliance

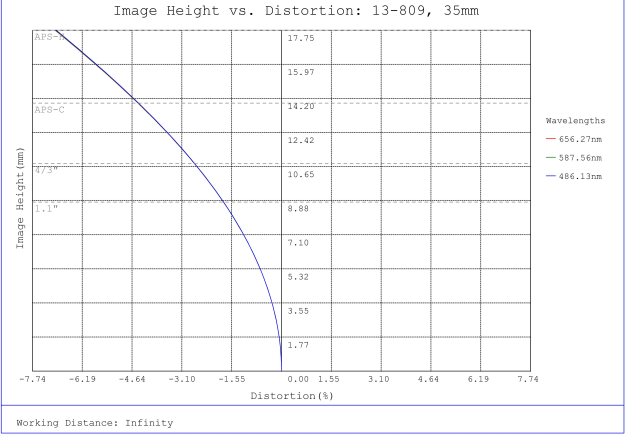
Certificate of Conformance:	View
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Product Details

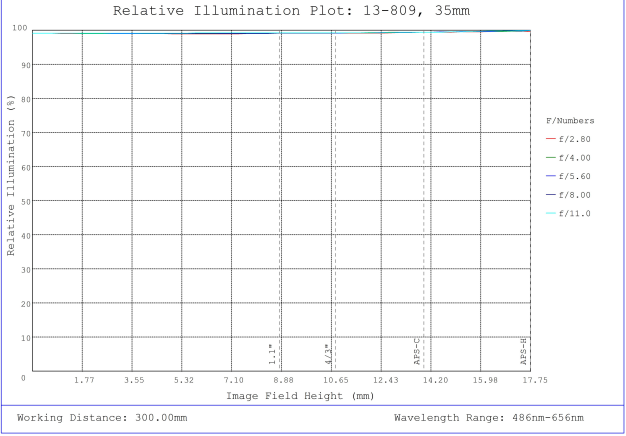
- Compatible with APS-H (35.5mm) and 35mm Full Frame Sensors
- 120 MegaPixels, 2.2µm Pixel Size Sensors
- Large format Lenses for APS-H Sensors (LH)
- Ultra-High Resolution Large Format Lenses

TECHSPEC® LH Series Fixed Focal Length Lenses are designed for 120 Megapixel sensors in an APS-H format. The LH Series are the first large format lenses to truly support the 2.2µm pixel size featured on the Canon 120MP CMOS Sensor. These ultra-high resolution lenses work with APS-H sensors (35.5mm diagonal) and also on larger 35mm full frame sensors (43.3mm diagonal). TECHSPEC LH Series Fixed Focal Length Lenses provide a solution for the ultra-high resolution requirements of machine vision and many [factory automation](#) and display inspection applications. F-Mount or TFL-II Mount versions are available.

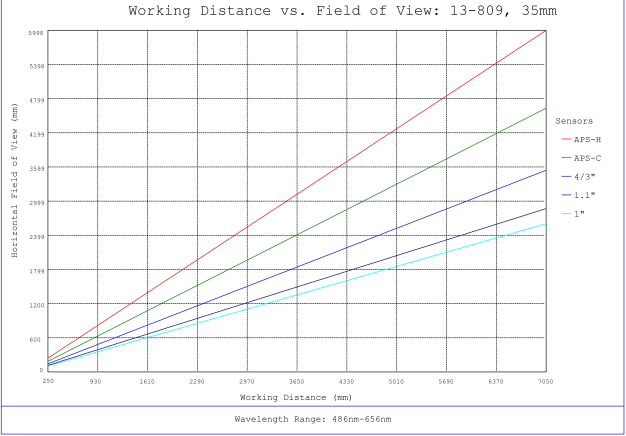
Technical Information



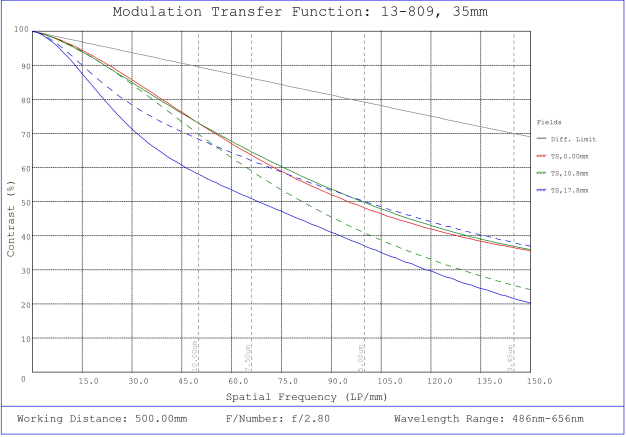
#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Distortion Plot



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Relative Illumination Plot



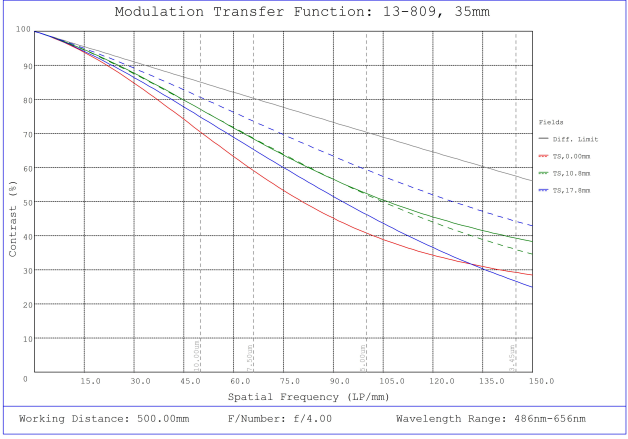
#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Working Distance versus Field of View Plot



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 500mm Working Distance, f2.8



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Depth of Field Plot, 500mm Working Distance, f2.8



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 500mm Working Distance, f4



#13-809, 35mm TFL-II Mount LH Series Fixed Focal Length Lens, Depth of Field Plot, 500mm Working Distance, f4