

## **TECHSPEC® 12mm f/11, 1000mm-∞ Primary WD, HRi Series Fixed Focal Length Lens**

#36-771



12mm FL HPi Series Fixed Focal Length Lens

해당 제품은 **TECHSPEC®** HR 시리즈 렌즈의 간소화 버전입니다. 최적화된 여러 작동 거리와 호환되도록 초점 거리마다 다양한 옵션이 제공됩니다. 대량 생산 이미징 어플리케이션에 맞게 설계되었으며 간소화된 포커스 메커니즘과 고정 조리개가 특징입니다. 해당 제품은 다양한 **f/#** 옵션이 제공되므로 크기와 비용을 줄이고 고정 초점 이미징 솔루션이 필요한 어플리케이션에 적합합니다. **OEM** 할인 정책의 경우 당사로 문의 바랍니다.

## General

Type: Fixed Focal Length Lens

## Physical & Mechanical Properties

Iris Option:	Fixed
Length (mm):	39.20
Maximum Diameter (mm):	33
Weight (g):	57
Maximum Rear Protrusion (mm):	1.63

## Optical Properties

Horizontal Field of View, 1/2" Sensor:	64.8mm - 30.9°
Horizontal Field of View, 2/3" Sensor:	90.2mm - 42.0°
Horizontal Field of View, 1/3" Sensor:	48.3mm - 23.3°
Maximum Image Circle (mm):	11.00
Numerical Aperture NA, Object Side:	0.0044
Horizontal Field of View @ Max Sensor Format:	90.2mm - 42.0°
Number of Elements (Groups):	10 (6)
Horizontal Field of View, 1/1.8" Sensor:	73.1mm - 34.7°
Horizontal Field of View, 1/2.5" Sensor:	58.6mm - 28.1°
Focal Length FL (mm):	12.00
Primary Magnification PMAG:	0.1
Working Distance (mm):	100 - ∞
Aperture (f/#):	f/11
Coating:	425 - 675nm BBAR
Coating Specification:	425 - 675nm BBAR
Entrance Pupil Position (mm):	17.6
Horizontal Field of View, 1/4" Sensor:	36.1mm - 17.5°
Object Space Principal Plane (mm):	26.32
Image Space Principal Plane (mm):	2.81
Field of View at Max Sensor Format:	Horizontal: 90.1mm - 42° Vertical: 66.8mm - 31.9° Diagonal: 114.2mm - 51.8°
Maximum Distortion (%):	-3.28
Exit Pupil Position (mm):	-31.25
Optimized Working Distance (mm):	1000 - ∞
Lens Wavelength Range:	VIS

## Sensor

Maximum Sensor Format: 2/3"

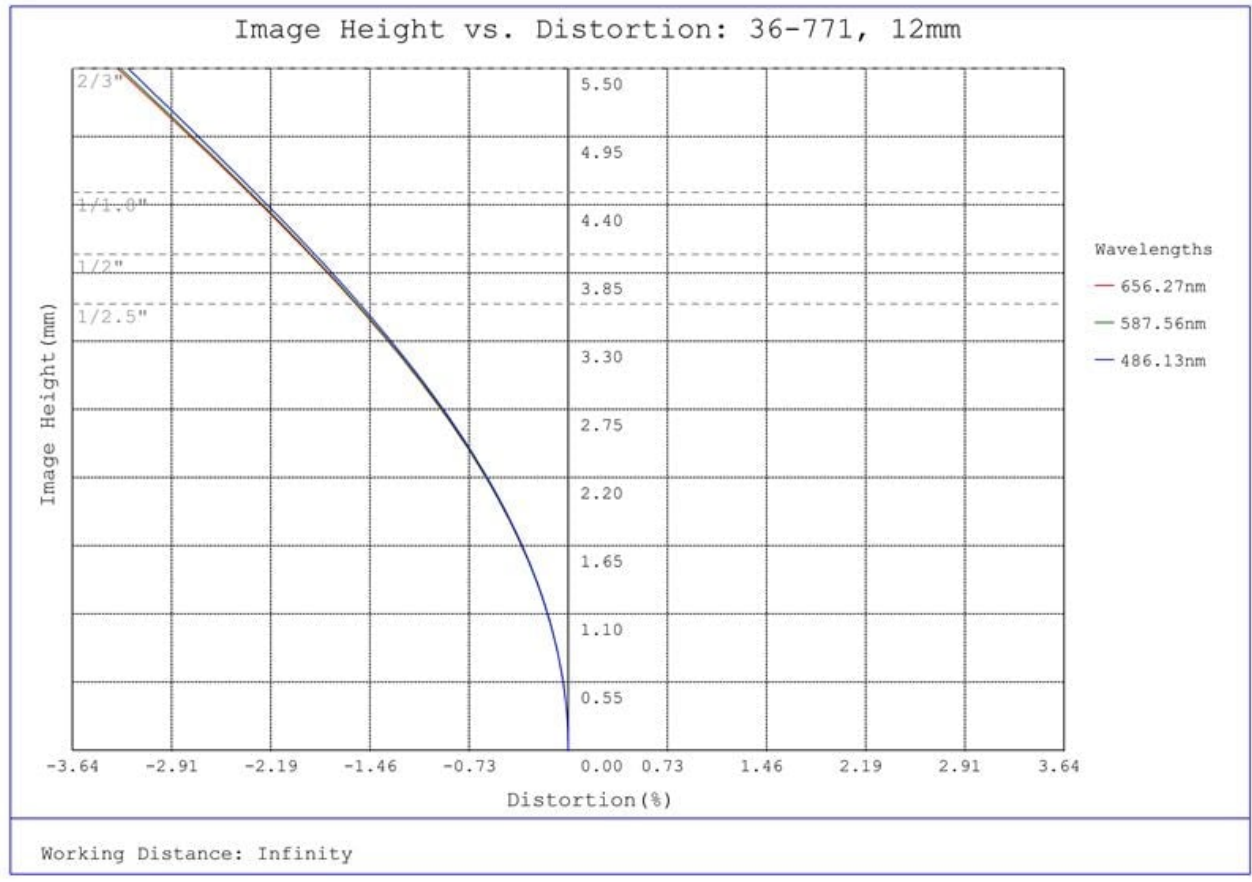
## Threading & Mounting

Filter Thread:	M30.5 x 0.50 (Female)
Mount:	C-Mount

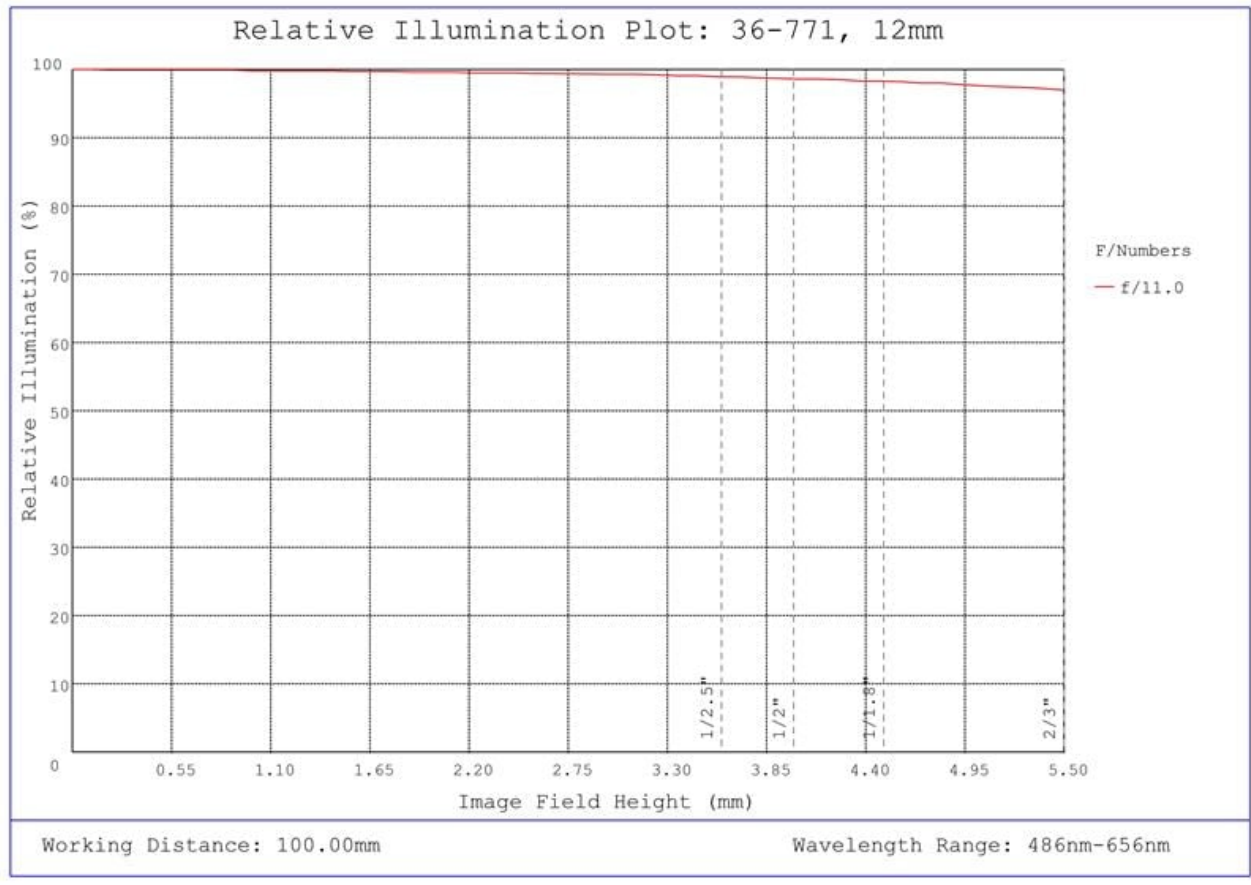
## Environmental & Durability Factors

Storage Temperature (°C):

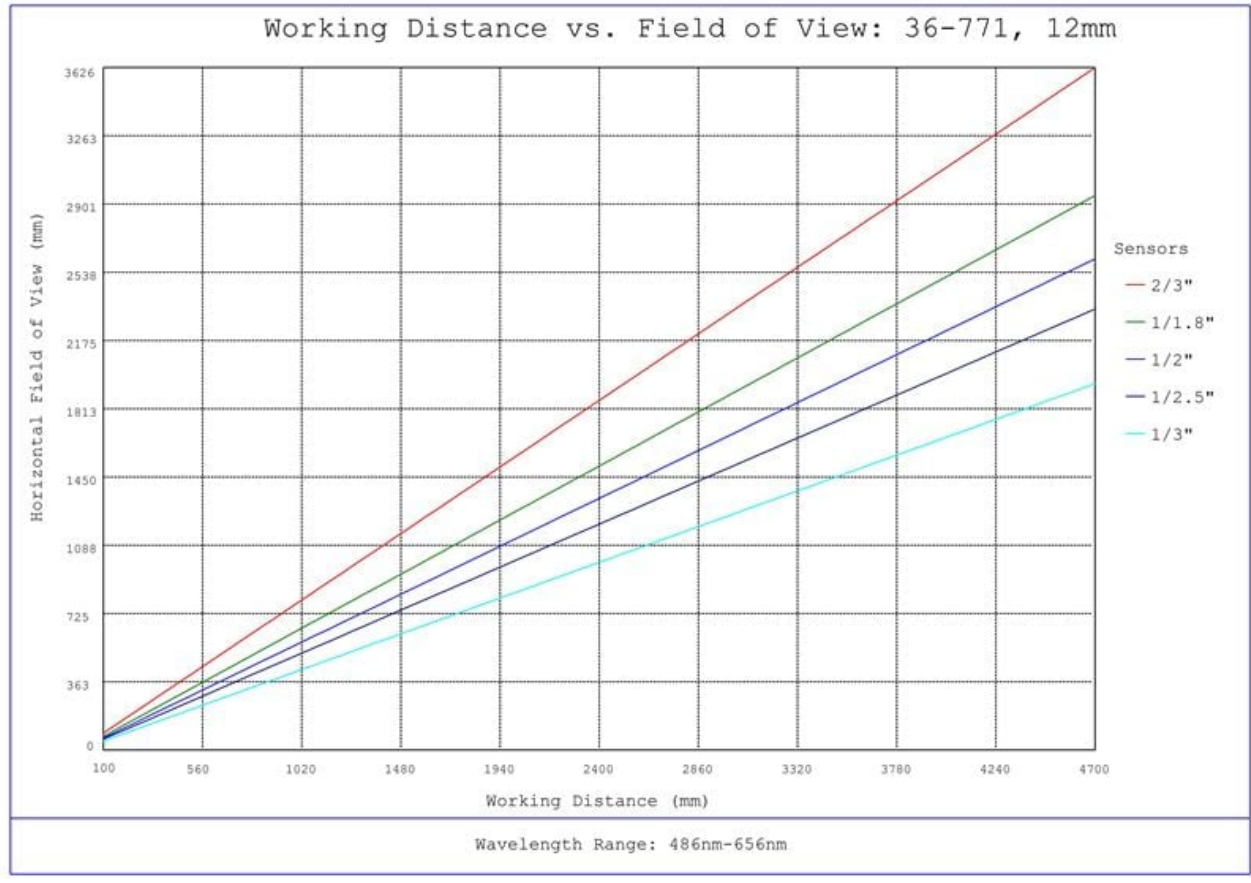
-20 to +60 For questions regarding operating temperature please  
contact our support team



#36-771, 12mm f/11, 1000mm-∞ Primary WD, HRi Series Fixed Focal Length Lens, Distortion Plot



#36-771, 12mm f/11, 1000mm-∞ Primary WD, HRi Series Fixed Focal Length Lens, Relative Illumination Plot



#36-771, 12mm f/11, 1000mm-∞ Primary WD, HRi Series Fixed Focal Length Lens, Working Distance versus Field of View Plot

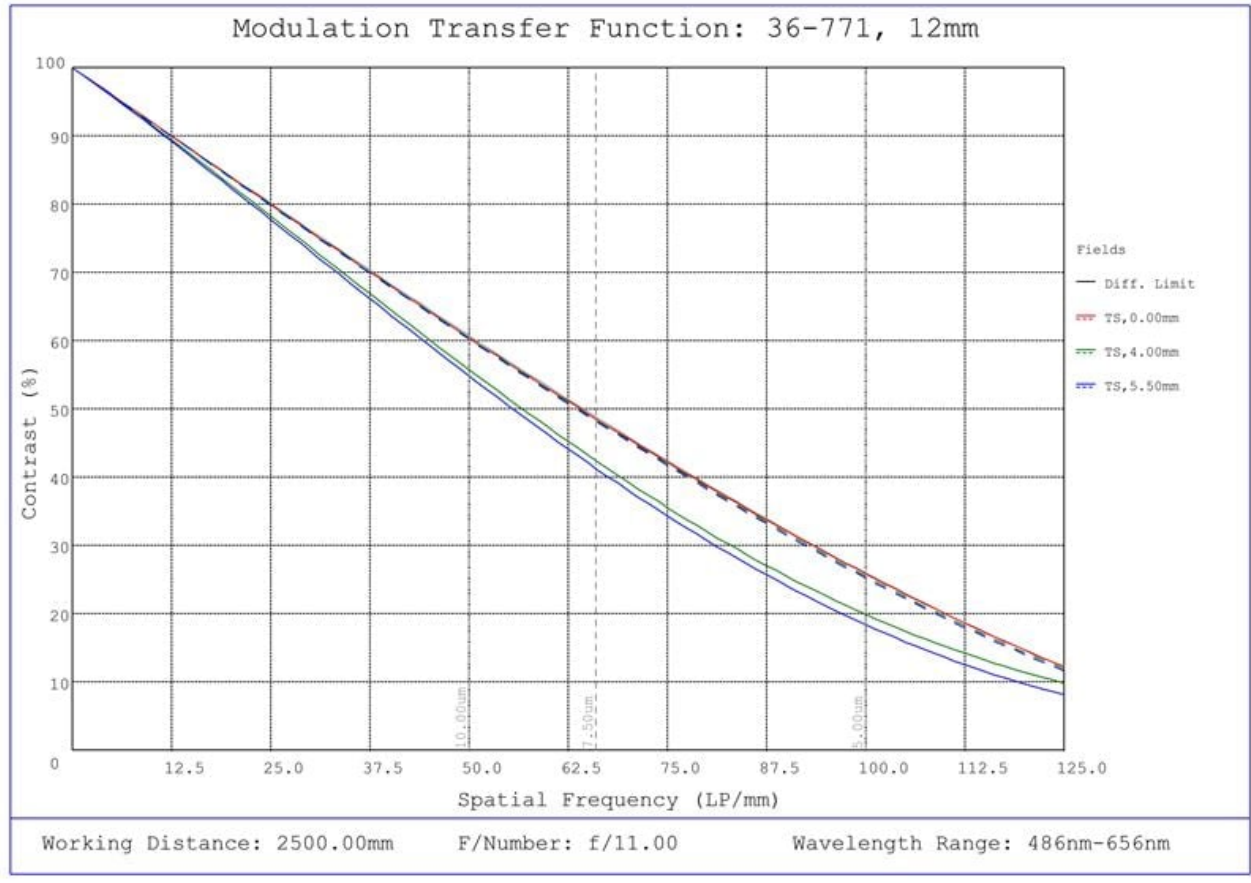


#36-771, 12mm f/11, 1000mm-∞ Primary WD, HRi Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 1000mm Working Distance, f11

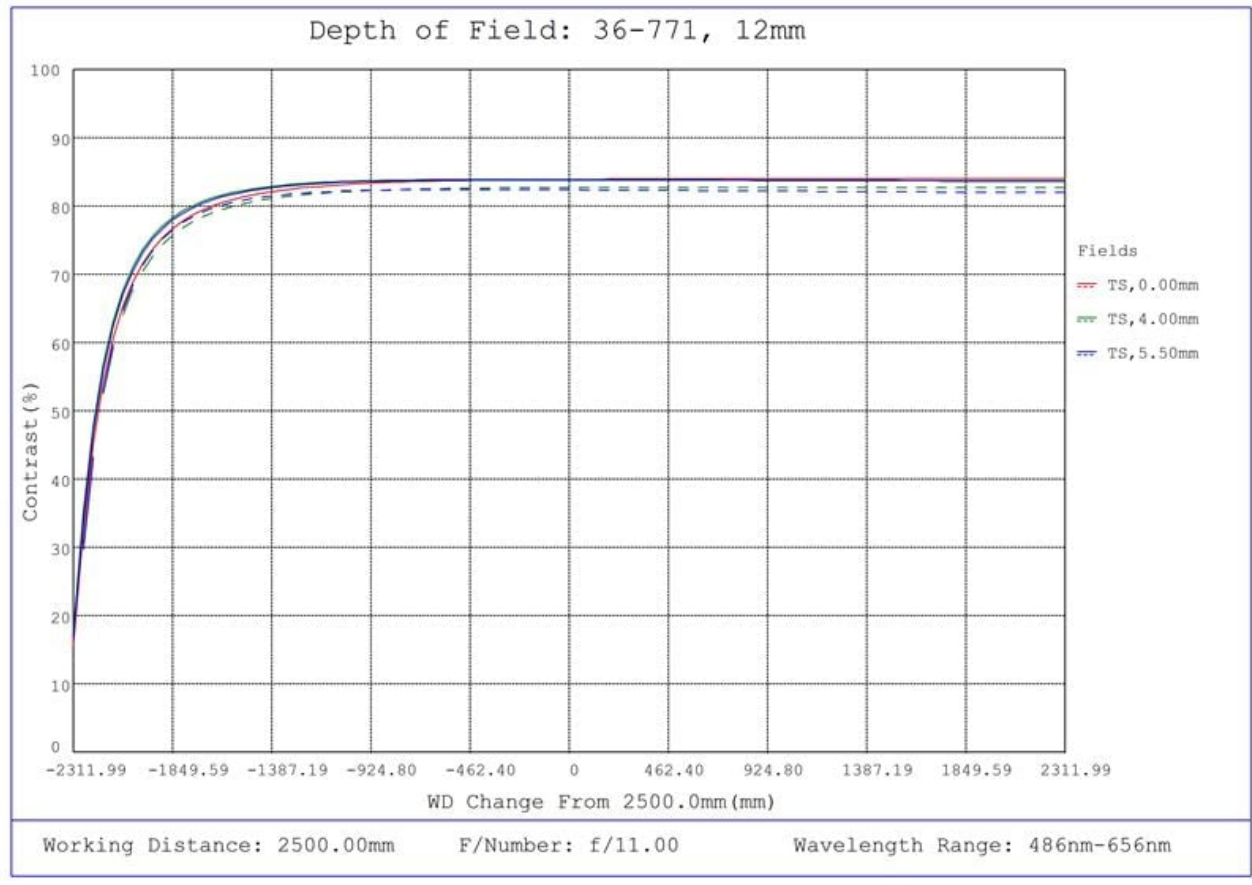


#36-771, 12mm f/11, 1000mm-∞ Primary WD, HRI Series Fixed Focal Length Lens, Depth of Field Plot, 1000mm Working Distance, f11





#36-771, 12mm f/11, 1000mm-∞ Primary WD, HRi Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 2500mm Working Distance, f11



#36-771, 12mm f/11, 1000mm-∞ Primary WD, HRI Series Fixed Focal Length Lens, Depth of Field Plot, 2500mm Working Distance, f11



June 17, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

재고 번호	제품설명
36-771	12mm f/11, 1000mm-∞ Primary WD, HRi Series Fixed Focal Length Lens

This item is EU RoHS (2011/65/EU) compliant without the use of exemptions.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.



Jay Budd, Director of Corporate Compliance  
June 17, 2025

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | [Compliance@edmundoptics.com](mailto:Compliance@edmundoptics.com)

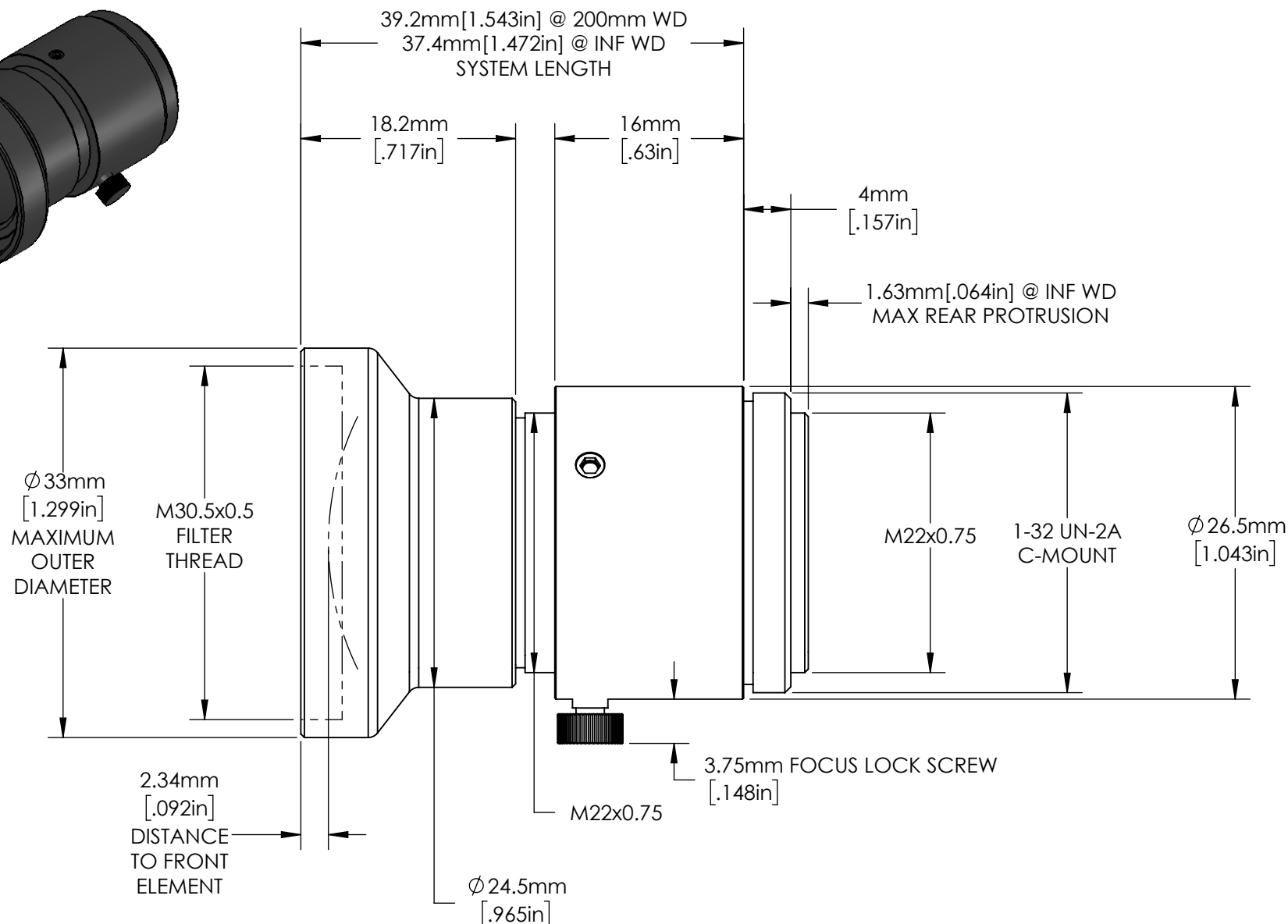
June 17, 2025

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Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.



Jeff Harvey- EVP of Operations



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**Edmund Optics®**

TITLE 12mm f/11, 1000mm-∞ Primary WD, HRi Series Fixed  
Focal Length Lens

DWG NO 36771

SHEET  
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