

TECHSPEC® 0.75X In-Line Illumination SilverTL™ Telecentric Lens

#88-346



0.75X In-Line Illumination SilverTL™ Telecentric Lens, #88-346

TECHSPEC® SilverTL™ Telecentric Lenses are ideal for both on-line and off-line machine vision production applications that require accurate measurements. These lenses combine high quality optics with a simplified non-focusing mechanical design and adjustable iris with a locking set screw. TECHSPEC® SilverTL™ Telecentric Lenses are designed for metrology and gauging applications and offer inline illumination options for maximum versatility. Each lens also features a standard front filter thread for use with [color filters](#), [polarizers](#), [protective windows](#), and [illumination adapters](#) for LED or fiber-optic ring lights.

Note: Mounting brackets are available that fit the 30mm diameter mounting surface.

Length excluding Threads (mm):	155.20
Working Distance Tolerance (mm):	±3
Resolution, Image Space MTF @ f/10:	>40% @ 40 lp/mm
Coating:	425 - 675nm BBAR
Construction:	Anodized Aluminum
Depth of Field (mm):	±0.8 at f/10 (20% @ 20 lp/mm)

Optical

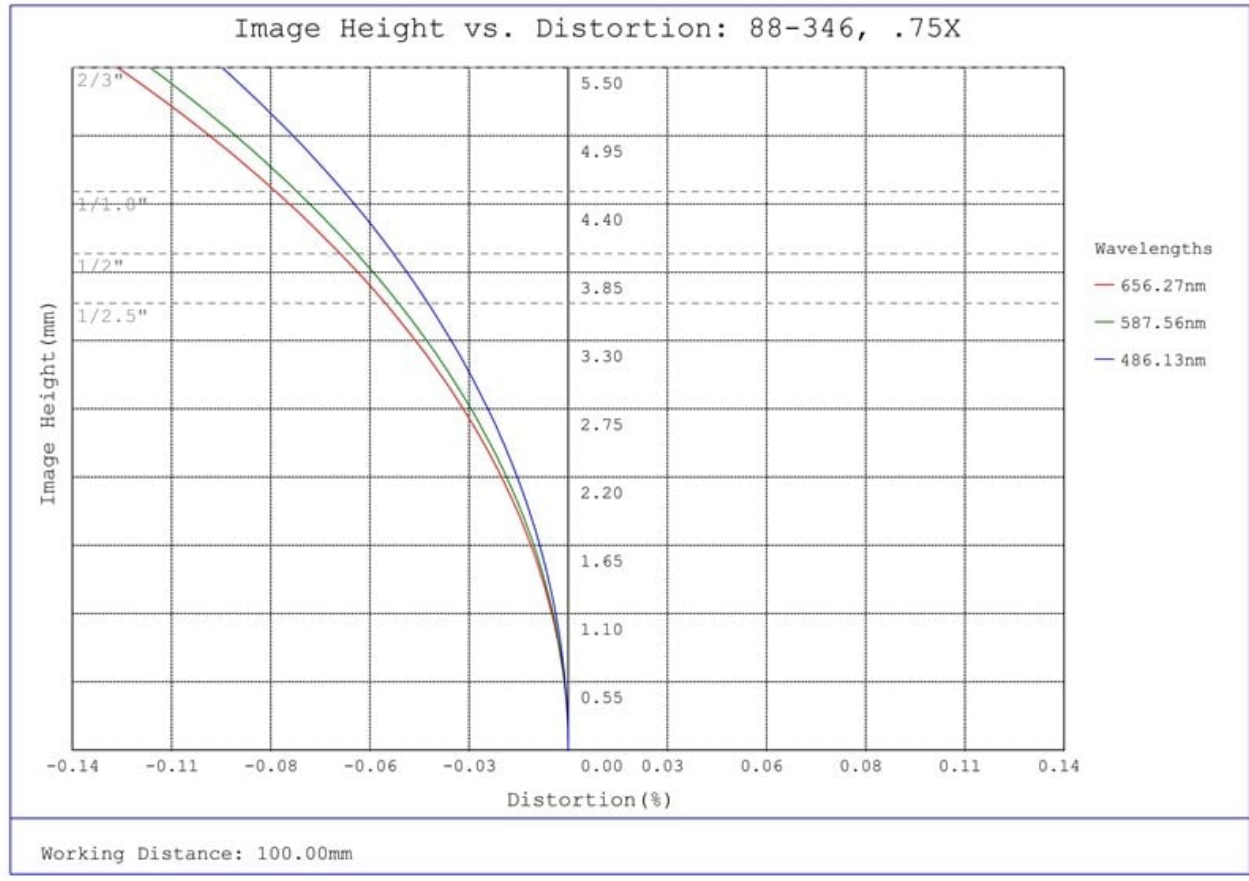
Horizontal Field of View, 1/2" Sensor:	8.5mm
Horizontal Field of View, 2/3" Sensor:	11.7mm
Horizontal Field of View, 1/3" Sensor:	6.4mm
Numerical Aperture NA, Object Side:	0.062
Typical Telecentricity @ 588nm (°):	<0.080
Typical Distortion @ 588nm (%):	<0.080
Primary Magnification PMAG:	0.75X
Maximum Sensor Format:	2/3"
Working Distance (mm):	100.00
Aperture (f/#):	f/6 - f/22
FOV @ Max Sensor Format, H x V (mm):	11.7 x 8.8
Lens Wavelength Range:	VIS

Mechanical

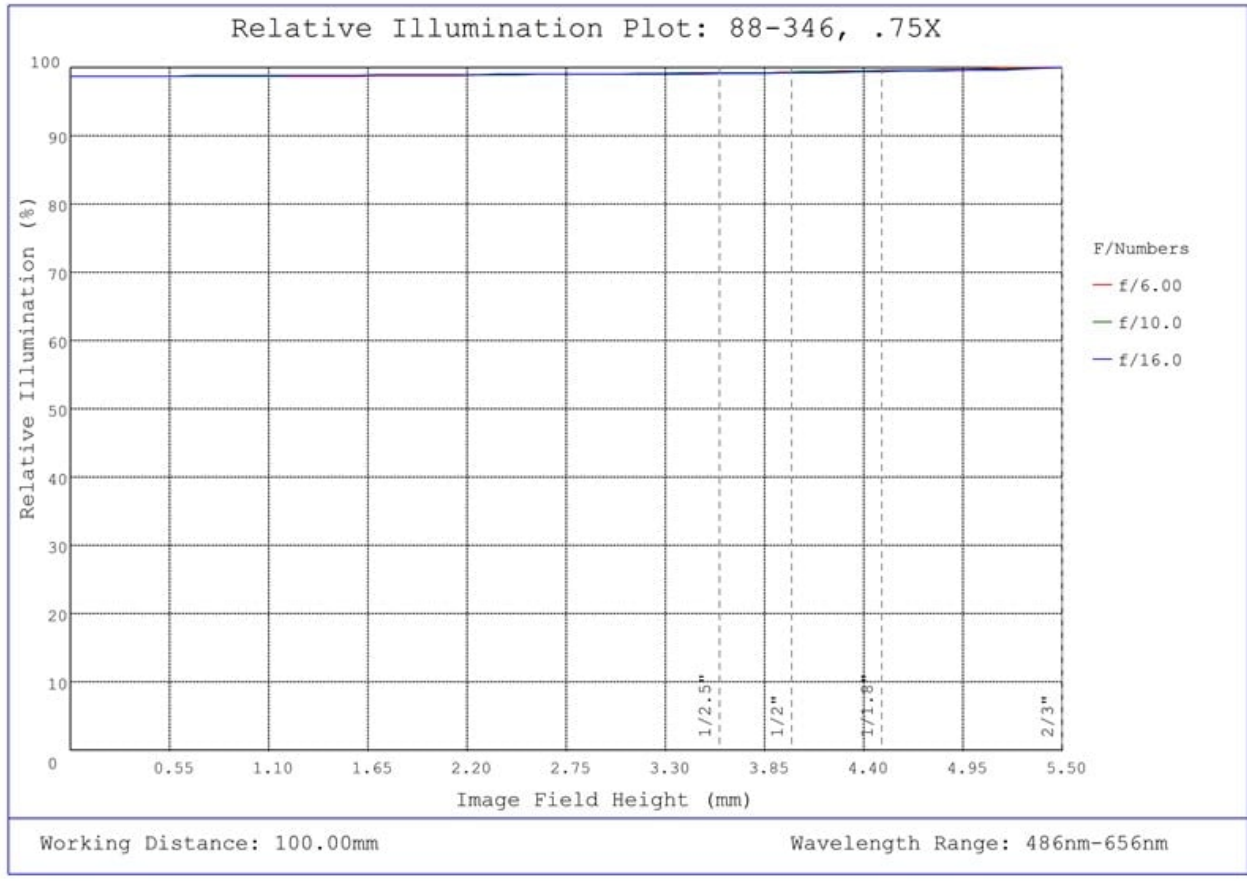
Filter Thread:	M30.5 x 0.50 (Female)
Maximum Diameter (mm):	36.00
Weight (g):	227
Number of Elements (Groups):	7 (6)
Mount:	C-Mount

General

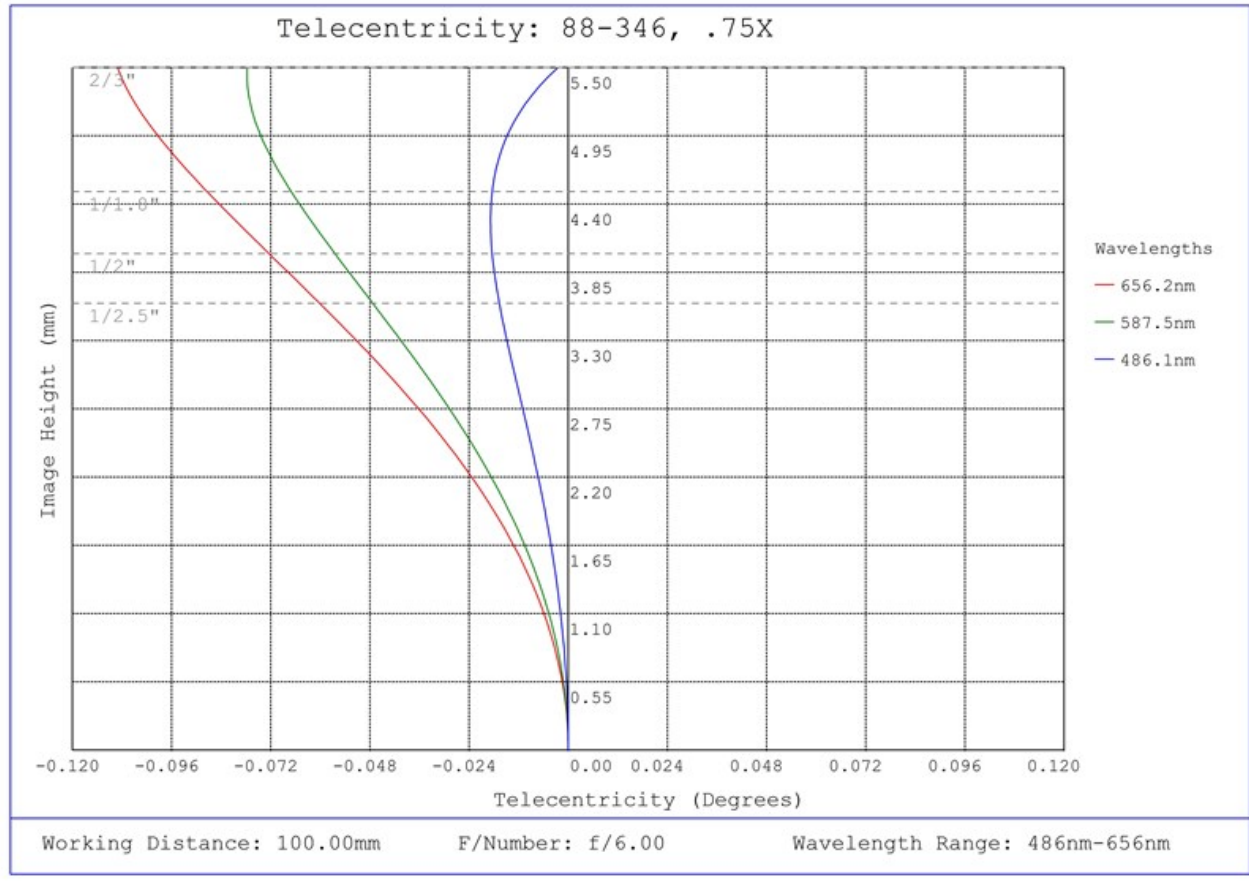
Stock No. of Mounting Clamp:	#56-870 Sold Separately
Type:	Telecentric Lens
Style:	In-Line Illumination



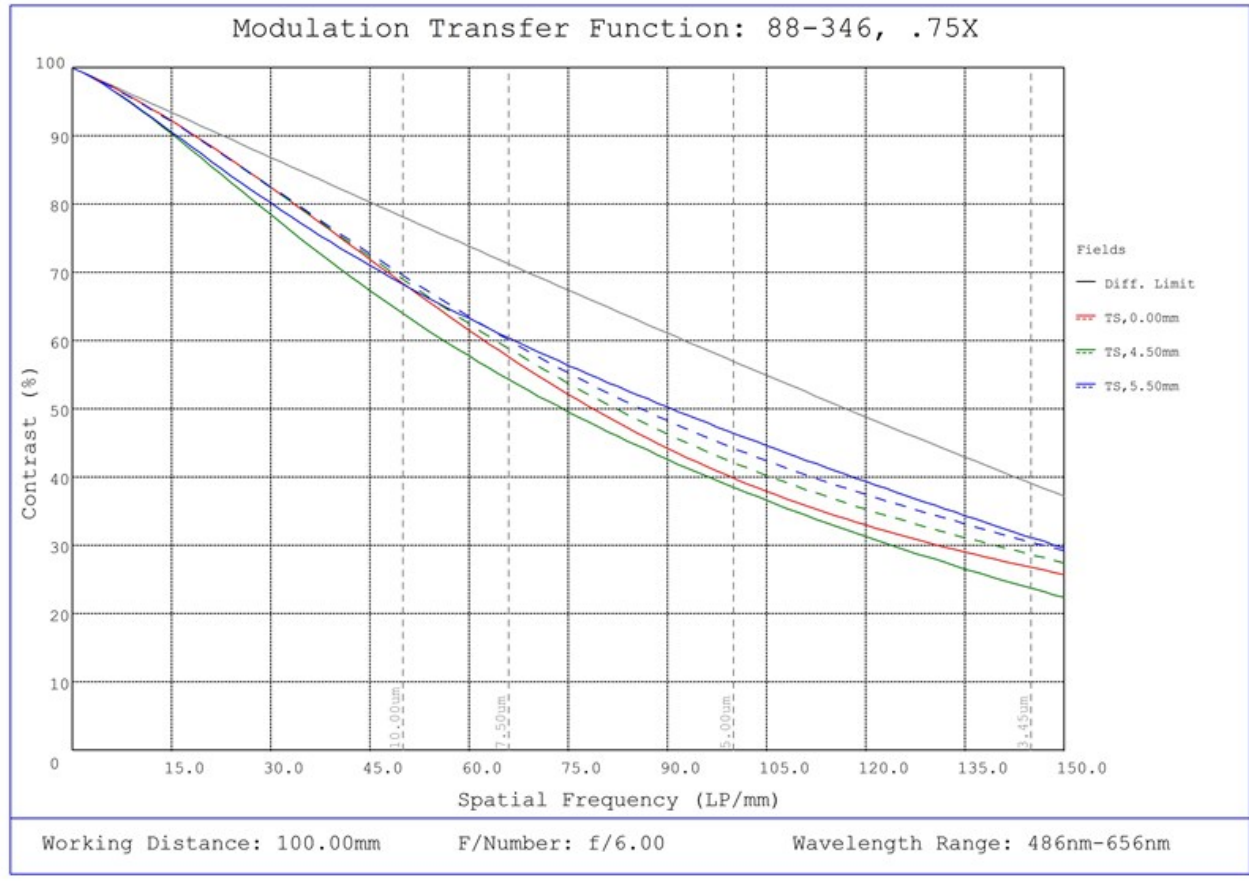
#88-346, 0.75X In-Line Illumination SilverTL™ Telecentric Lens, Distortion Plot



#88-346, 0.75X In-Line Illumination SilverTL™ Telecentric Lens, Relative Illumination Plot



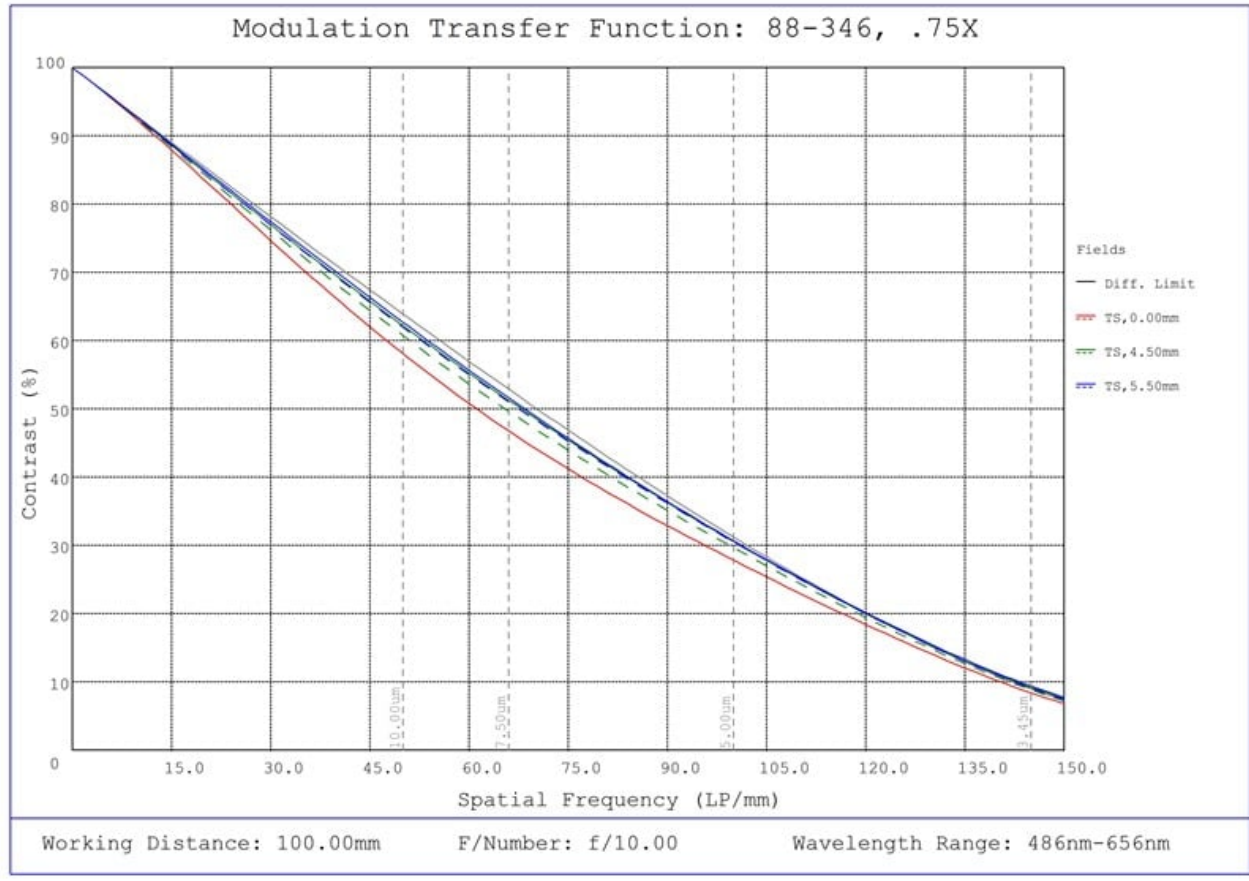
#88-346, 0.75X In-Line Illumination SilverTL™ Telecentric Lens, Telecentricity Plot



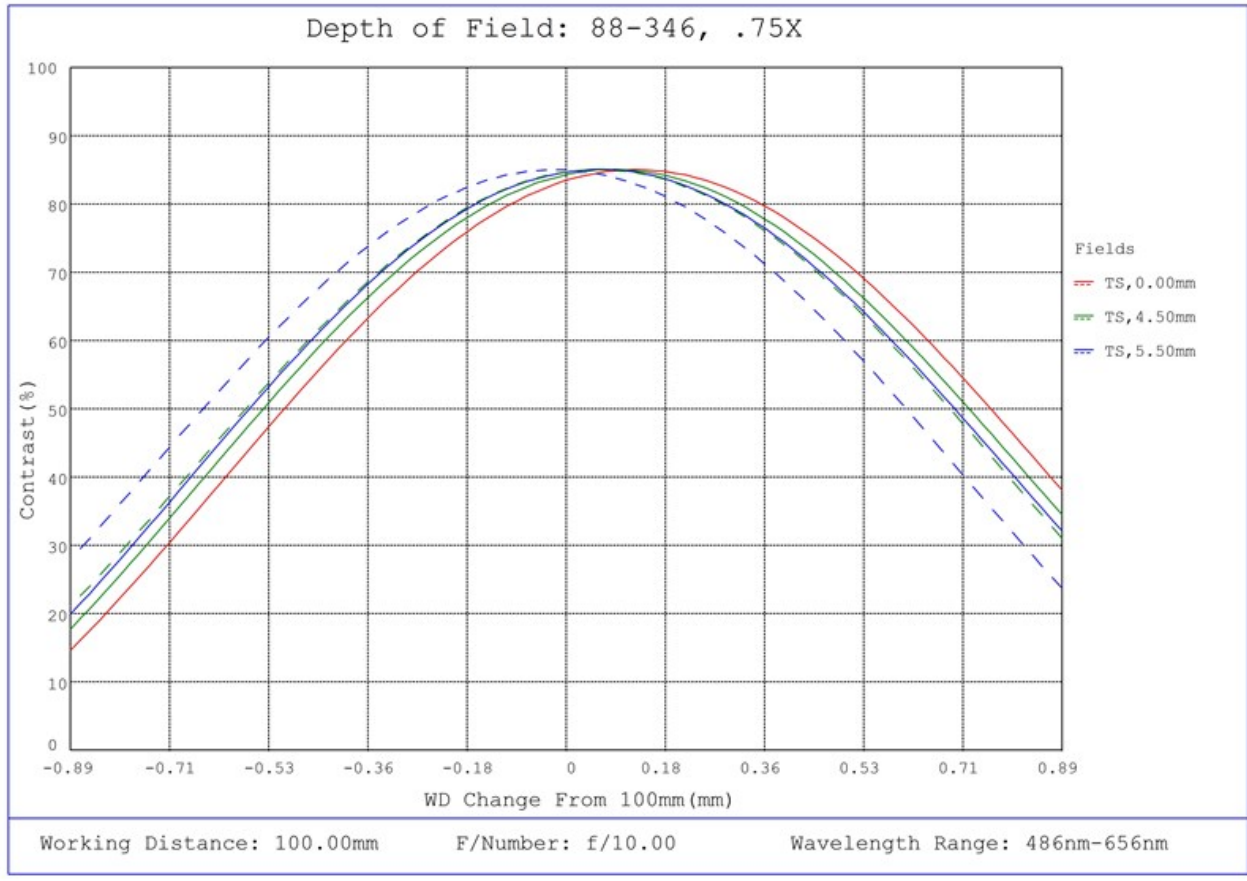
#88-346, 0.75X In-Line Illumination SilverTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 100mm Working Distance, f6



#88-346, 0.75X In-Line Illumination SilverTL™ Telecentric Lens, Depth of Field Plot, 100mm Working Distance, f6



#88-346, 0.75X In-Line Illumination SilverTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 100mm Working Distance, f10



#88-346, 0.75X In-Line Illumination SilverTL™ Telecentric Lens, Depth of Field Plot, 100mm Working Distance, f10



September 08, 2023

To Whom It May Concern,

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

<i>Stock No.</i>	<i>Description</i>
88-346	0.75X In-Line Illumination SilverTL™ Telecentric 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
September 08, 2023

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com



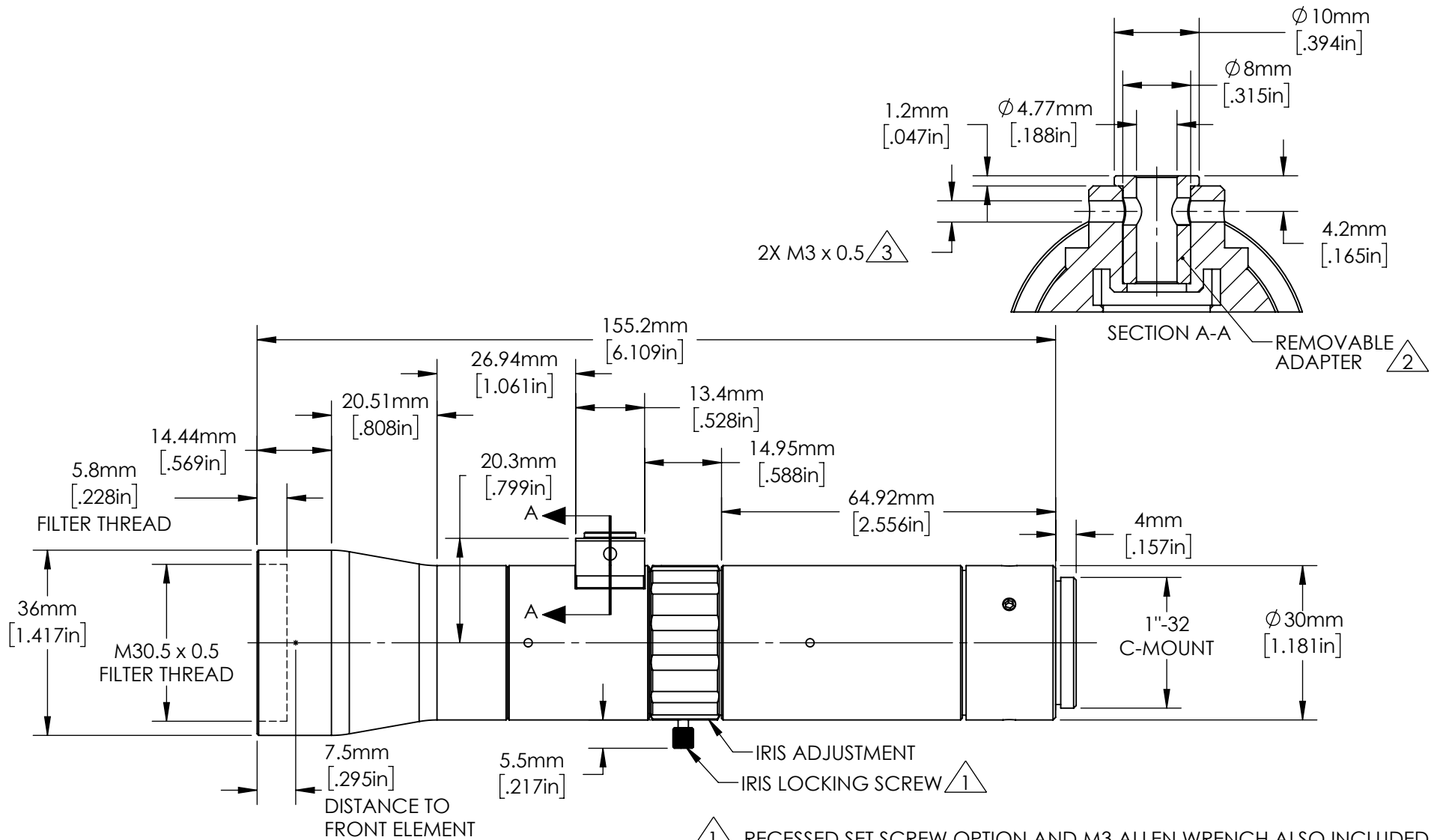
September 08, 2023

<i>Stock No.</i>	<i>Description</i>
88-346	0.75X In-Line Illumination SilverTL™ Telecentric Lens

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



- 1. RECESSED SET SCREW OPTION AND M3 ALLEN WRENCH ALSO INCLUDED
- 2. ACCEPTS Ø .25" LIGHT GUIDE, OR Ø .125" WITH ADAPTER
- 3. SET SCREWS TO HOLD LIGHT GUIDE INCLUDED

**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. DIMENSIONS ARE FOR REFERENCE ONLY. FOR DETAILED SPECIFICATIONS, PLEASE REFER TO THE SPEC SHEET.

 Edmund Optics®	
TITLE	0.75X In-Line Illumination SilverTL™ Telecentric Lens
DWG NO	88346
	SHEET 1 OF 1

