TECHSPEC® 35mm FL f/5.6, Blue Series M12 Lens

#70-646



Phone: 1-800-363-1992 or 1-856-573-6250, Fax: 1-856-573-6295
101 EAST GLOUCESTER PIKE | P.O BOX 9000
BARRINGTON, NJ 08007-1380 USA
www.edmundoptics.com

TECHSPEC® Blue Series M12 Lenses feature high resolution performance, along with the same great versatility of our TECHSPEC® Green Series M12 Lenses. Each lens consists of several precision glass elements mounted in a compact, aluminum housing. These lenses can connect to C-Mount cameras using the M12 x 0.5 Adapter for C-Mount Cameras (#53-675) or the M12 x 0.5 C-Mount Adapter with Rubber O-Ring (#59-241) for vibration-sensitive environments. TECHSPEC® Blue Series M12 Lenses are ideal for automotive, industrial, and medical imaging application. Prescription data is available by submitting a Request for Prescription Form.

Note: Compatible TECHSPEC® M12 Imaging Lens Accessories available.

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General

Product Family:	Blue Series
Note:	Required Accessories: #63-956 and #64-102
Type:	M12 Imaging Lens
IR Cut Filter:	No
Imaging Lens Type:	High Performance M12 Lens

Physical & Mechanical Properties

Iris Option:	Fixed
Length (mm):	29.50
Maximum Diameter (mm):	18.0
Outer Diameter (mm):	18

Optical Properties

Horizontal Field of View @ Max Sensor Format:	11.6°
Horizontal Field of View, 1/1.8" Sensor:	11.6°
Horizontal Field of View, 1/2" Sensor:	10.4°
Horizontal Field of View, 1/2.5" Sensor:	9.4°
Horizontal Field of View, 1/3" Sensor:	7.8°
Horizontal Field of View, 1/4" Sensor:	5.8°
Maximum Image Circle (mm):	9.00
Numerical Aperture NA, Object Side:	0.01
Number of Elements (Groups):	6(5)
Wavelength Range (nm):	400 - 700
Focal Length FL (mm):	35.00
Working Distance (mm):	150 - ∞
Aperture (f/#):	f/5.6
Distortion (%):	0.08 @ Full Field
Back Focal Length BFL (mm):	18.72-8.41
Coating Specification:	λ/4 MgF_2 @ 550nm
Entrance Pupil Position (mm):	38.88439
Object Space Principal Plane (mm):	3.13
Image Space Principal Plane (mm):	-40.60
Maximum Distortion (%):	-0.08
Exit Pupil Position (mm):	-22.91602
Lens Wavelength Range:	VIS

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Maximum Sensor Format:	1/1.8"
Pixel Size (µm):	1.40

Threading & Mounting

Filter Thread:	N/A
Mount:	S-Mount (M12 x 0.5)

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November 03, 2026

To Whom It May Concern,

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

Stock No.	*Description*
70-646	35mm FL f/5.6, Blue Series M12 Lens

This item is EU RoHS (2015/863/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
November 03, 2026

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

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Stock No.	Description
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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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This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

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This item does not contain any of the substances listed on the Reach SVHC list as of 21 January 2025 in quantities exceeding 0.1% weight by weight.

Please note the following:

- Entry 11 of Annex V of the REACH regulation EC 1907/2006 as amended by regulation 987/2008, exempts “non-hazardous” glass components from registration.
- Items considered to be packing materials and which do not form part of, or are not required for the operation of, the product, are not considered to be within scope of this declaration.
- EO does not routinely analyze products for substances not purposely added or specified within the design specifications, drawings and assembly procedures.

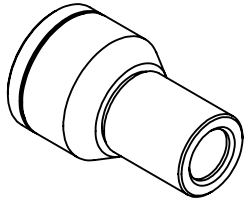
This certification means that:

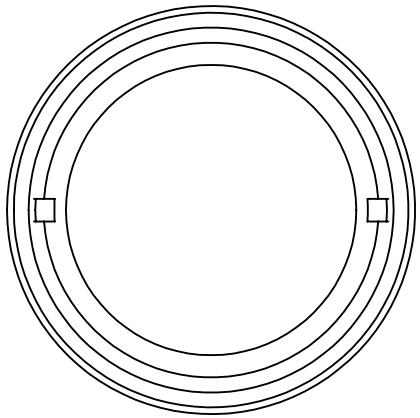
- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.

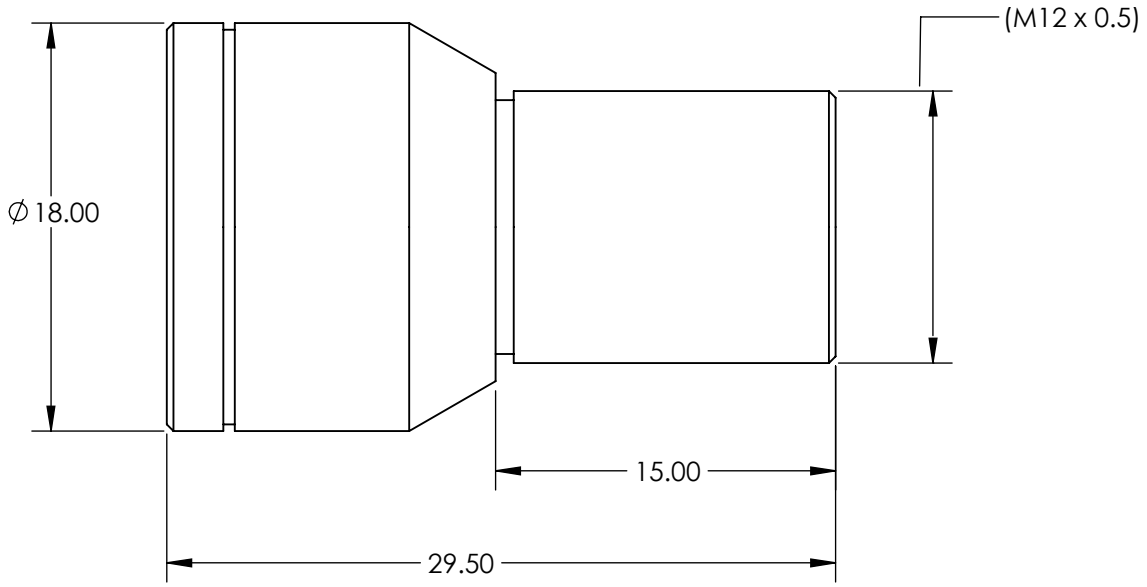
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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

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THIRD ANGLE PROJECTION		TITLE	35mm FL f/5.6, Blue Series M12 Lens	
ALL DIMS IN	mm	DWG NO	70646	SHEET 2 OF 4