

TECHSPEC® 4mm f/11 Sealed UCw Series Fixed Focal Length Lens

#70-586



UCw Series Fixed Focal Length Lenses

해당 제품은 [TECHSPEC® UC Series Fixed Focal Length Lens](#)의 Waterproof 버전입니다. IEC 방수방진 규정 중 IPX7 등급을 준수하도록 설계되었으며 최대 1m 깊이의 물에 30분 동안 잠겨도 견딜 수 있습니다. 컴팩트한 크기이며 품질이나 사용감이 저하되지 않으면서 합리적인 가격으로 우수한 성능을 제공합니다. 해당 제품은 렌즈 표면에 물방울이 맺히는 것을 방지하기 위해 발수 코팅 처리를 한 윈도우가 장착되어 있으며 하우징에 습기가 차는 것을 방지하기 위해 여러 개의 O링으로 씰링 처리를 했습니다. 또한, 식품 검사, 보안, 의료, 공장 자동화처럼 공간 제약이 있고 환경이 열악한 어플리케이션에 적합합니다.

General

Type:	Fixed Focal Length Lens
Imaging Lens Type:	High Performance Lens with Compact Form Factor

Physical & Mechanical Properties

Iris Option:	Fixed
Length (mm):	40.71
Maximum Diameter (mm):	40
Outer Diameter (mm):	40.00
Maximum Rear Protrusion (mm):	6.01
Maximum Length (mm):	40.6

Optical Properties

Horizontal Field of View, 1/2" Sensor:	84.8°
Horizontal Field of View, 1/3" Sensor:	65.4°
Maximum Image Circle (mm):	8.00
Numerical Aperture NA, Object Side:	0.01
Horizontal Field of View @ Max Sensor Format:	84.8°
Number of Elements (Groups):	8 (7)
Horizontal Field of View, 1/2.5" Sensor:	77.8°
Focal Length FL (mm):	4.00
Primary Magnification PMAG:	0.343
Working Distance (mm):	0 - ∞
Aperture (f/#):	f/11.0
Coating:	λ/4 MgF ₂
Coating Specification:	λ/4 MgF ₂
Entrance Pupil Position (mm):	12.69
Horizontal Field of View, 1/4" Sensor:	49.7°
Object Space Principal Plane (mm):	16.04
Image Space Principal Plane (mm):	5.84
Maximum Distortion (%):	-20.43
Exit Pupil Position (mm):	-12.68
Lens Wavelength Range:	VIS

Sensor

Optimized Sensor Format:	1/2.5"
Maximum Sensor Format:	1/2"

Threading & Mounting

Filter Thread:	M62 x 0.75 (Male)
Filter Thread Adapter:	#33-308 (Required)
Front Thread:	M40 x 0.5 (Male)
Mount:	C-Mount

Environmental & Durability Factors

Environmental Rating:	IPX7
Storage Temperature (°C):	-20 to +60 For questions regarding operating temperature please contact our support team



June 22, 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
70-586	4mm f/11 Sealed UCw 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 22, 2025

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



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재고 번호

70-586

제품설명

4mm f/11 Sealed UCw Series Fixed Focal Length 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