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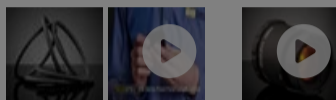
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General

Note: Material: Viton® Fluoroelastomer Rubber
Temperature Range: 0° to 400° F

Optical Properties

Lens Wavelength Range: VIS

Sensor

Pixel Size (µm): 1.85

Environmental & Durability Factors

Environmental Rating: IPX7 and IPX9K

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Reach 250: **Compliant**

Product Details

- Up to 2/3", C-Mount Lens
- Waterproof (Cw) Versions of C Series Fixed Focal Length Lenses
- Meets IEC Ingress Protection Ratings of IPX7 and IPX9K
- Designed to Eliminate the Need for a Protective Lens Cover

TECHSPEC® Cw Series Fixed Focal Length Lenses are waterproof versions of our [TECHSPEC® C Series Fixed Focal Length Lenses](#). Designed to meet IEC Ingress Protection Codes IPX7 and IPX9K, these lenses withstand exposure to water up to 1 meter depth for 30 minutes and operate in close-range high pressure, high temperature water spray downs with the exception of all 3.5 and 4.5mm options which are IPX7. These lenses include a hydrophobic coated window to prevent water droplets from settling on the lens' surface. To prevent moisture from entering the housing, the lenses are sealed with multiple O-rings. TECHSPEC® Cw Series Fixed Focal Length Lenses are designed for up to 7.5 MegaPixel, 2/3" sensors and are ideal for applications including food, pharma, automotive, and security. These lenses won the Bronze-Level 2021 Vision Systems Design Innovators Award.

Edmund Optics has created a family of high performance optical designs (the C Series family) and developed 6 customized optomechanical solutions targeted for specific applications. These lens sub-families utilize the same optics as the C Series lenses providing the same optical performance in a variety of optomechanical solutions to meet your application requirements:

- **C Series:** Features locking cam focus and iris adjustment and is the most adjustable version of these optical designs; they are the typical high quality machine vision lenses. Also available with a [VIS-NIR Broadband Anti-Reflection \(BBAR\) Coating](#).
- **Ci Series:** Simplified mechanics featuring iris and focus adjustment, low cost, and locked focus.
- **Cr Series:** All optics glued in place and a fixed focus lens with improved focus stability.
- **Cx Series:** Modular, flexible mechanics allow for iris, focus, apertures, and more.
- **Liquid Lens Cx Series:** Designed with an iris and focus adjustment.
- **Cw Series:** Waterproof, designed to meet your application requirements.

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Technical Information

16mm Cw Series Fixed Focal Length Lens

25mm Cw Series Fixed Focal Length Lens

35mm Cw Series Fixed Focal Length Lens

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	CW Series to LUCID Triton™ C-Mount Adapter with O-Ring		#23-669	€53,00 Request Quote	20+ In Stock 1
MORE+	5 pk. O-Ring for Cw Lenses		#22-790	€23,50 Request Quote	5 In Stock 1
MORE+	5.3 oz. Tube O-Ring Grease		#22-791	€58,50 Request Quote	2 In Stock 1

Related Products



C Series Fixed Focal Length Lenses



HEO Series M12 Lenses



HRr Series Fixed Focal Length Lenses



Ci Series Fixed Focal Length Lenses

Frequently Purchased Together



#58-000 - 8.5mm C Series Fixed Focal Length Lens
€275,00



#65-801 - M30.5 x 0.5 Mount for 25mm Diameter Filters
€59,00



#66-855 - 24V Power Supply with Tinned Leads
€95,00



#67-709 - 6mm C Series Fixed Focal Length Lens
€350,00



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(AR) Coatings

APPLICATION NOTE

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Introduction to
Optical
Coatings

VIDEO

Wavelength
and f#

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