

TECHSPEC[®] 5 pk. O-Ring for Cw Lenses



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1

+

S\$32⁹⁰

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General

Note:

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

Optical Properties

VS

Lens Wavelength Range:

Environmental & Durability Factors

Compliant

RoHS 2015:

View

Certificate of Conformance:

Compliant

Reach 250:

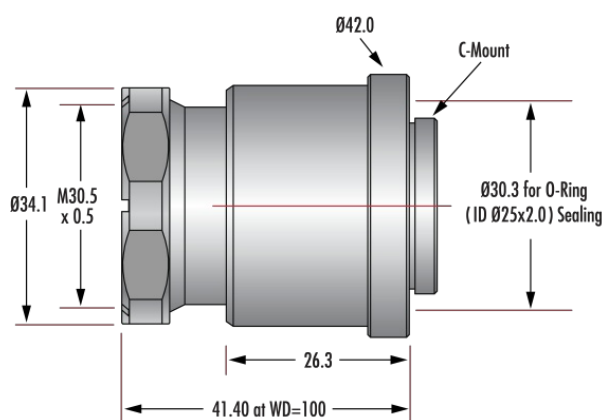
- Up to 2/3", C-Mount Lens
- Waterproof (Cw) Versions of C Series Fixed Focal Length Lenses
- Meets IEC Ingress Protection Ratings of IPX7 and IPX9K
- Designed to Eliminate the Need for a Protective Lens Cover

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:

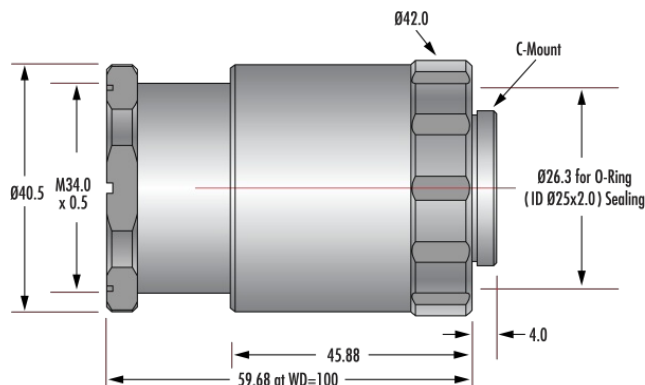
- **C Series:** Features locking cam focus and iris adjustment and is the most adjustable version of these optical designs; they are the typical high quality machine vision lenses. Also available with a **VIS-NIR Broadband Anti-Reflection (BBAR) Coating**.
- **CI Series:** Simplified mechanics featuring fixed apertures with compact housing. **Industrial Ruggedization** for reduced size, cost, and locked focus.
- **Cr Series:** All optics glued in place and a locking C-clamp focus ring. **Stabilized Ruggedization** for reduced pixel shift and improved focus stability.
- **Cx Series:** Modular, flexible mechanics allows lenses to be taken apart for easy integration of accessories such as liquid lenses, apertures, and more.
- **Liquid Lens Cx Series:** Designed with an integrated liquid lens for quick autofocus.
- **Cw Series:** Waterproof, designed to meet IEC **Ingress Protection** Code IPX7 and IPX9K.

Technical drawing of a C-mount lens assembly. The drawing shows a side view of the lens with various dimensions and labels. The main body of the lens is labeled with a diameter of $\varnothing 38.0$. The mounting flange is labeled "C-Mount". The O-ring is labeled with a diameter of $\varnothing 30.3$ for the O-Ring (ID $\varnothing 25 \times 2.0$) Sealing. The total length of the lens is 48.60 at WD=100. The distance from the front of the lens to the O-ring is 33.3. The distance from the O-ring to the mounting flange is 6.0. The distance from the mounting flange to the back of the lens is 3.5. The front of the lens has a diameter of $\varnothing 34.1$ and a thread of M30.5 x 0.5.

16mm Cw Series Fixed Focal Length Lens



25mm Cw Series Fixed Focal Length Lens



35mm Cw Series Fixed Focal Length Lens

