

TECHSPEC® 25mm, f/8 Cw Series Fixed Focal Length Lens



Stock #15-651 [CONTACT US](#)

1 **MRP ₹23,819**

Price inclusive of all taxes

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25mm Focal Length



Volume Pricing	
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General

Product Family:	Cw Series	Note:	C-Mount compatible with O-ring 25mm ID x 2mm
Type:	Fixed Focal Length Lens		

Physical & Mechanical Properties

Iris Option:	Fixed	Length (mm):	41.40
Maximum Diameter (mm):	37.77	Outer Diameter (mm):	34.1
Maximum Rear Protrusion (mm):	4.2	Diameter (mm):	38.00

Optical Properties

Horizontal Field of View @ Max Sensor Format:	38.3mm - 16.6°	Field of View at Max Sensor Format:	Horizontal: 19.8° Vertical: 14.9° Diagonal: 24.6°
Horizontal Field of View, 2/3" Sensor:	16.6°	Horizontal Field of View, 1/1.8" Sensor:	13.6°
Horizontal Field of View, 1/2" Sensor:	12.1°	Horizontal Field of View, 1/2.5" Sensor:	11.0°
Horizontal Field of View, 1/3" Sensor:	9.1°	Horizontal Field of View, 1/4" Sensor:	6.8°
Maximum Image Circle (mm):	11.00	Numerical Aperture NA, Object Side:	0.012
Number of Elements (Groups):	7 (6)	Focal Length FL (mm):	25.00

Working Distance (mm):	100 - ∞	Aperture (f/#):	f/8
Coating:	425 - 675nm BBAR	Coating Specification:	425 - 675nm BBAR
Entrance Pupil Position (mm):	21.65	Object Space Principal Plane (mm):	24.53
Image Space Principal Plane (mm):	-12.44	Maximum Distortion (%):	0.22
Exit Pupil Position (mm):	-15.69	Lens Wavelength Range:	VIS

Sensor

Maximum Sensor Format:	2/3"	Pixel Size (µm):	2.74
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Threading & Mounting

Filter Thread:	M30.5 x 0.50 (Female)	Mount:	C-Mount
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Environmental & Durability Factors

Environmental Rating:	IPX7 and IPX9K	Storage Temperature (°C):	-20 to +60
Type of Ruggedization:	Waterproof (IPX7 and IPX9K)		

Regulatory Compliance

Certificate of Conformance:	View		
Country of Origin:	China	Imported By:	Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000

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 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 Information

#15-651, 25mm, f/8 Cw Series Fixed Focal Length Lens, Distortion Plot

#15-651, 25mm, f/8 Cw Series Fixed Focal Length Lens, Relative Illumination Plot

#15-651, 25mm, f/8 Cw Series Fixed Focal Length Lens, Working Distance versus Field of View Plot

#15-651, 25mm, f/8 Cw Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 200mm Working Distance, f8

#15-651, 25mm, f/8 Cw Series Fixed Focal Length Lens, Depth of Field Plot, 200mm Working Distance, f8

#15-651, 25mm, f/8 Cw Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 500mm Working Distance, f8

#15-651, 25mm, f/8 Cw Series Fixed Focal Length Lens, Depth of Field Plot, 500mm Working Distance, f8

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+	Male M30.5 to Female C-Mount		#33-429	₹4,594 Request Quote	6 In Stock <input type="text" value="1"/>
MORE+	Female M30.5 x 0.5 to Female C-Mount		#33-187	₹3,532 Request Quote	2 In Stock <input type="text" value="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

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