

TECHSPEC[®] f/8.0 Aperture for 50mm Cx Lens



Aperture for Cx Lens (representative photo). Aperture varies by stock number. View PDF drawing for additional information.

Stock **#33-683** **16 In Stock**

-

1

+

C\$16¹⁰

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Qty 1+	C\$16.10 each
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General	
Lens Accessory	Type:
Physical & Mechanical Properties	
21	Outer Diameter (mm):
5.45	Thickness (mm):
Optical Properties	

VIS

Compliant	RoHS 2015:
Compliant	Reach 223:
View	Certificate of Conformance:

- Up to 2/3", C-Mount Lens
- Up to 7.5 MegaPixels, 2.8µm Pixel Size Sensors
- Flexible (Cx) Version of our C Series Lenses with Interchangeable Apertures, Filters and Liquid Lens
- 12mm to 50mm Focal Length

These lenses won the Silver Level 2016 Innovators Award and the **2nd place 2017 Inspect 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.

Diagram illustrating the assembly of the rear lens assembly:

- Rear Assembly of Cx Lens
- Lock Nut
- Locking Nut Screw
- Housing
- Accessory
- Front Assembly of Cx Lens

Cx Lens Assembly Diagram

	12mm	16mm	25mm	35mm	35mm	50mm
Compatible Liquid Lens	A-25H0	A-25H0	A-25H0	A-25H0	A-39N0	A-39N0
Compatible Liquid Lens Stock No.	#34-282	#34-282	#34-282	#34-282	#34-283	#34-283
Compatible Liquid Lens Development Kit	#34-284	#34-284	#34-284	#34-284	#34-285	#34-285
Liquid Lens Holder Stock No.	#33-631	#33-645	#33-660	#33-675	#33-674	#33-686

Step 1: Choose the focal length of the Cx Lens and the compatible Variable Focus Liquid Lens and Liquid Lens Holder. Or simply choose appropriate Cx Lens Kit, which includes a Cx lens and its compatible Variable Focus Liquid Lens and Liquid Lens Holder.



Step 2: Mount the Variable Focus Liquid Lens into the Liquid Lens Holder. Next, assemble both items into the middle of the Cx Lens. [Complete instructions can be found in the downloadable PDF manual.](#)

Step 3, Option 1: Attach Liquid Lens to a [PixeLink USB 3.0 Autofocus Camera](#). This camera provides seamless integration - both driver and autofocus software is included.



Step 3, Option 2: Use with standard C-Mount camera. Driver is not included and a separate Liquid Lens driver must be purchased separately (included in Liquid Lens Development Kit).

