

Optotune Electrically Focus Tunable lens 12mm CA, VIS coated, C mount | EL-12-30-TC-VIS-16D-C (Recertified 05-P)



Stock **#78-515-RCD-05P** RECERTIFIED **1 In Stock**

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1

+

C\$767^{.61}

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Note: This item requires accessories for use | [Learn More](#)

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SPECIFICATIONS

General

Specialty Lens

Type:

>1,000,000,000	Lifecycles:
EL-12-30-TC-MS-16D-C	Model Number:
3	Response Time (ms):
Physical & Mechanical Properties	
11.6	Clear Aperture CA (mm):
47.0	Outer Diameter (mm):
5.80	Thickness (mm):
Optical Properties	
Low Dispersion Polymer	Substrate: ☐
BBAR (420-950nm)	Coating:
420 - 950	Wavelength Range (nm):
100.00	Abbe Number (v _d):
-6 to +10 diopter	Focus Range (mm):
1.450	Index of Refraction (n _d):
Transmitted Wavefront Error, RMS: Vertical: 0.15λ @ 525nm Horizontal: 0.25λ @ 525nm	
Electrical	
-250 to 250, -300 to 300 abs. max	Current (mA):
0.94	Power Consumption (W):
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

- Fast Rise and Settling Times of 3ms & 10ms
- Low Temperature Sensitivity <0.01dpt/°C
- Low Power Consumption of 55mW for a 5 Diopter Range

Optotune Focus Tunable Lenses 12mm Clear Aperture Hirose Connector combine our Optotune Electrically Focus Tunable Lenses with C-Mbunt compatible housings to ease mechanical integration into imaging systems. This lens features a versatile focal power range of -6 to +10 diopters with exceptional precision in a slim housing that adds only 5.8mm to the optical axis. Optimized for fast response times and low thermal sensitivity, the liquid lens can switch from a flat zero-state into a plano-concave or plano-convex lens in 3ms and remain stable with a <0.01dpt/°C sensitivity. Optotune Focus Tunable Lenses 12mm Clear Aperture Hirose Connector are ideal for replacing multi-lens or zoom systems in machine vision, microscopy, and optical coherent tomography (OCT) applications. The protective cover glass is AR coated to maximize transmission from 420 – 950nm.