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# Optotune Electrically Focus Tunable lens 12mm CA, VIS coated, C mount | EL-12-30-TC-VIS-16D-C



Stock #78-515 [CONTACT US](#)

1 MRP ₹97,359

● Price inclusive of all taxes

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

## Product Downloads

### General

Specialty Lens

Type:

>1,000,000,000

Lifecycles:

EL-12-30-TC-VIS-16D-C

Model Number:

Response Time (ms):

## Physical & Mechanical Properties

Clear Aperture CA (mm):  
11.6Outer Diameter (mm):  
47.0Thickness (mm):  
5.80

## Optical Properties

Substrate:   
Low Dispersion PolymerCoating:  
BBAR (420-950nm)Wavelength Range (nm):  
420 - 950Abbe Number ( $v_d$ ):  
100.00Focus Range (mm):  
-6 to +10 diopterIndex of Refraction ( $n_d$ ):  
1.450Transmitted Wavefront Error, RMS:  
Vertical: 0.15 $\lambda$  @ 525nm Horizontal: 0.25 $\lambda$  @ 525nm

## Electrical

Current (mA):  
-250 to 250, -300 to 300 abs. maxPower Consumption (W):  
0.94

## Regulatory Compliance

Certificate of Conformance:  
[View](#)Country of Origin:  
SlovakiaImported 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

- 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-Mount 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.