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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 + **€965**.00

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General

Type:
Specialty Lens

Lifecycles:
>1,000,000,000

Model Number:
EL-12-30-TC-VIS-16D-C

Response Time (ms):
3

Physical & Mechanical Properties

Clear Aperture CA (mm):
11.6

Outer Diameter (mm):
47.0

Thickness (mm):
5.80

Optical Properties

Substrate:
Low Dispersion Polymer

Coating:
BBAR (420-950nm)

Wavelength Range (nm):
420 - 950

Abbe Number (v_d):
100.00

Focus Range (mm):
-6 to +10 diopter

Index of Refraction (n_d):
1.450

Transmitted Wavefront Error, RMS:
Vertical: 0.15λ@525nm Horizontal: 0.25λ@525nm

Electrical

Current (mA):
-250 to 250, -300 to 300 abs. max

Power Consumption (W):
0.94

Regulatory Compliance

Certificate of Conformance:
View

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.

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