

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**

-

1

+

£466<sup>.05</sup>

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| Qty 1+         | £466.05 each                  |
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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

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 <sub>d</sub> ):         |
| -6 to +10 diopter                                                                      | Focus Range (mm):                      |
| 1.450                                                                                  | Index of Refraction (n <sub>d</sub> ): |
| Transmitted Wavefront Error, RMS:<br>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                                                                  |                                        |
| <a href="#">View</a>                                                                   | 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-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.