

# 10mm FL, 632nm, Visible Metalens Plate



Stock **#86-931** NEW CONTACT US

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+

€750<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | €750,00 each                  |
| Qty 10+        | €675,00 each                  |
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Note:

Black absorptive aperture applied to metasurface

Physical & Mechanical Properties

Dimensional Tolerance (mm):

+/-0.2

Thickness (mm):

0.70 ±0.07

|                                                                                                                                    |                                        |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 20.0 x 20.0                                                                                                                        | Outer Dimensions (mm):                 |
| 4                                                                                                                                  | Inner Diameter (mm):                   |
| Optical Properties                                                                                                                 |                                        |
| 10.00 ±2%                                                                                                                          | Effective Focal Length EFL (mm):       |
| Eagle XG                                                                                                                           | Substrate: □                           |
| 0.196                                                                                                                              | Numerical Aperture NA:                 |
| Broadband 420-670nm AR Coating, backside<br>Protective Overcoat, frontside                                                         | Coating:                               |
| Broadband 420-670nm AR-Coating (Back surface only)<br>R <sub>abs</sub> ≤1% from 420-670nm<br>R <sub>avg</sub> ≤0.4% from 420-670nm | Coating Specification:                 |
| 632                                                                                                                                | Design Wavelength DWL (nm):            |
| 1.5198 (435.8 nm), 1.5078 (643.8 nm)                                                                                               | Index of Refraction (n <sub>d</sub> ): |
| 76                                                                                                                                 | Transmission (%):                      |
| Regulatory Compliance                                                                                                              |                                        |
| <a href="#">View</a>                                                                                                               | Certificate of Conformance:            |

## Product Details

- Flat, Space Saving Alternative to Traditional Lenses
- Nanostructure Design Enables Efficient Manipulation of Light
- Compact 0.7mm Thickness for Easy Integration into a Variety of Applications

Visible Meta-Lens Plates are designed with an innovative nanostructure design to manipulate and focus light, offering a highly compact and high-performance alternative to traditional curved lenses. Featuring ultra-thin Eagle XG substrates, these lens plates are available for 532nm and 632nm design wavelengths in a range of focal lengths. These meta-lenses are available in a single lens construction, where an individual meta-lens is centered on the plate and surrounded by an absorptive aperture to reduce stray light, or an array construction, where one of each of the four smaller Meta-lenses are arranged on a single plate for versatility. Visible Meta-Lens Plates are ideal for low SWaP, LIDAR, imaging, and beam shaping applications.

**Note:** The Meta-lens surface is very delicate, and contact should be avoided during cleaning and handling. Visible Meta-lens Plates should be cleaned only using compressed air.