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10mm FL, 632nm, Visible Metalens Plate



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₹65,250

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General

Note:
Black absorptive aperture applied to metasurface

Physical & Mechanical Properties

Dimensional Tolerance (mm):	
+/-0.2	
Thickness (mm):	
0.70 ±0.07	
Outer Dimensions (mm):	
20.0 x20.0	
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 Protective Overcoat, frontside	Coating:
Broadband 420-670nm AR-Coating (Back surface only) R _{abs} ≤1% from 420-670nm R _{avg} ≤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 _d):
76	Transmission (%):

Regulatory Compliance

View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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.