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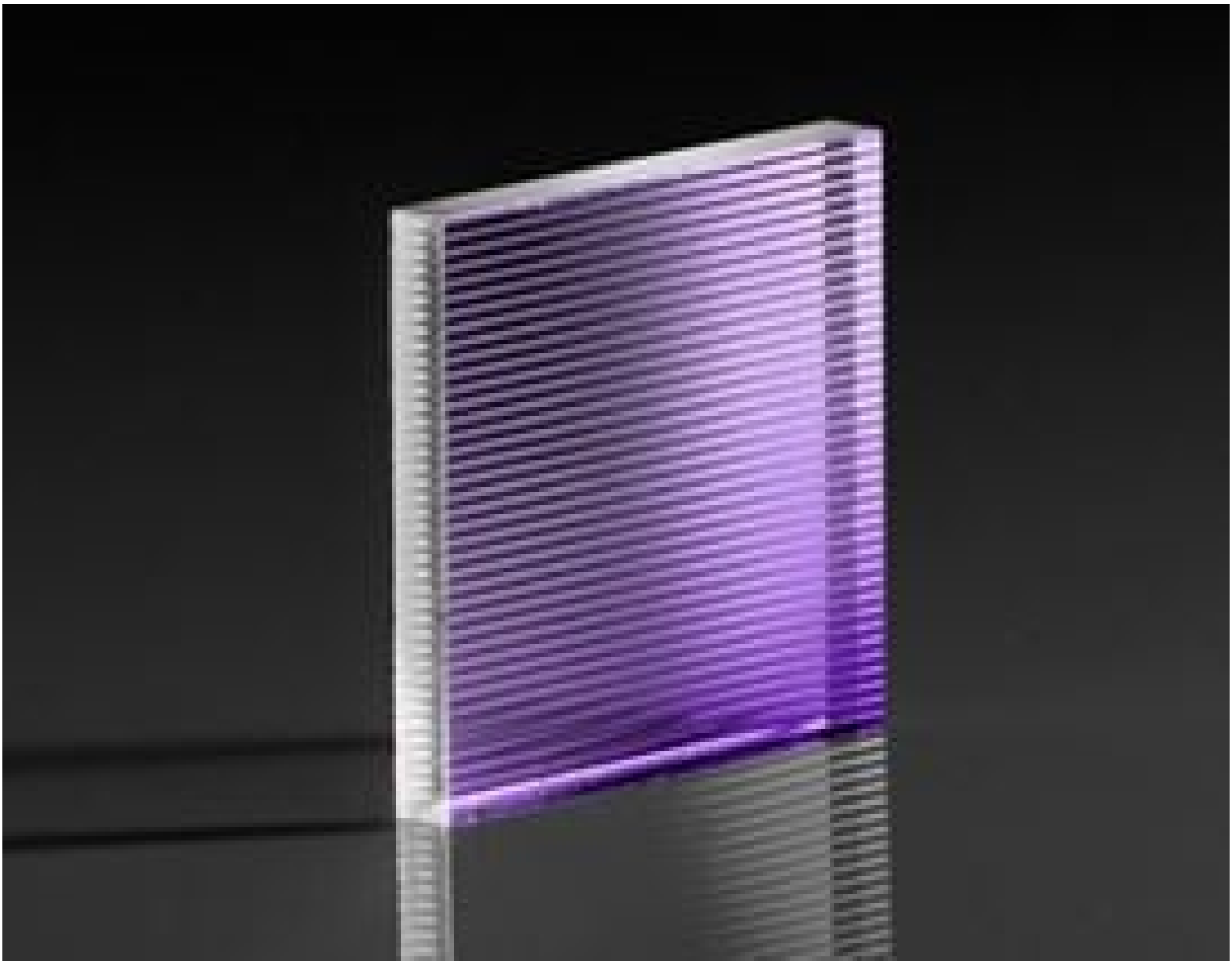
10 x 10mm, 500µm Pitch, 1.3° Div., Cyl. Microlens Array VIS-NIR



Stock **#72-589** **1 In Stock**

- 1 + **MRP ₹99,449**

Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	**₹99,449** each
Qty 11-25	**₹79,846** each
Qty 26-49	**₹74,587** each
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Product Downloads

General

Type:

Lens Array

Physical & Mechanical Properties

Dimensions (mm):

10.0 x 10.0 ±0.05

Radius R (mm):

5.000

Thickness (mm):
1.20 ±0.05

Optical Properties

Effective Focal Length EFL (mm):
11.10

Substrate:
Fused Silica (Corning 7980)

Coating:
VIS-NIR (400-1000nm)

Wavelength Range (nm):
400 - 1000

Coating Specification:
R_{abs} ≤0.25% @ 880nm @ 0° AOI
R_{avg} ≤1.25% @ 400 - 870nm @ 0° AOI
R_{avg} ≤1.25% @ 890 - 1000nm @ 0° AOI

Divergence Angle (°):
±1.3

Pitch (µm):
500.00 ±0.25

Array Type:
Single-Sided

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 250:
Compliant

Country of Origin:
Switzerland

Imported 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

- Generate Non-Gaussian Line Patterns
- Ideal for Light Homogenization
- Excellent Performance from 193nm – 2.5µm

Cylindrical Microlens Arrays are used to homogenize a variety of light sources, including lasers or high power LEDs. Unlike Square Microlens Arrays, which generate spot patterns, Cylindrical Microlens Arrays yield non-gaussian line patterns, and are ideal for welding, drilling, or laser ablation applications from the UV to IR. Cylindrical Microlens Arrays are available uncoated, VIS-NIR, or UV-NIR coated, including options with lenses on a single side for line generation applications or double-sided (with cross-oriented lenses) for beam homogenisation. Additionally, these lenses can be used as fast axis collimators.

Coating Curves

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