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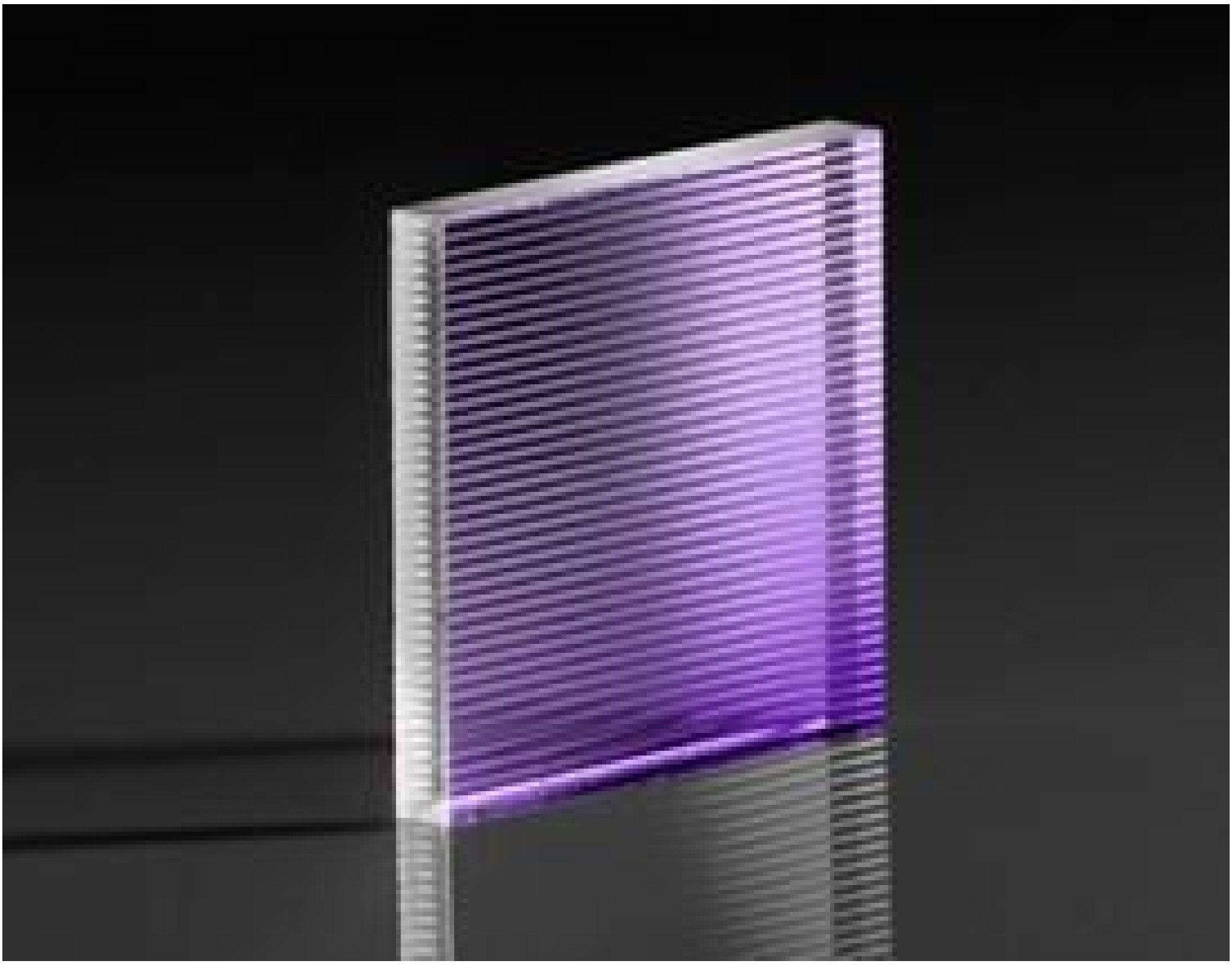
10 x 10mm, 300µm Pitch, 1.1° Div., Cyl. Microlens Array VIS-NIR



Stock **#72-587** **5 In Stock**

- 1 + **C$1,456**.00

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Volume Pricing	
Qty 1-10	**C$1,456.00** each
Qty 11-25	**C$1,169.00** each
Qty 26-49	**C$1,092.00** each
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General

Type:
Lens Array

Physical & Mechanical Properties

Dimensions (mm):
10.0 x 10.0 ±0.05

Radius R (mm):
3.600

Thickness (mm):

1.20 ±0.05

Optical Properties

Effective Focal Length EFL (mm):

8.00

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 (°):

±1.1

Pitch (µm):

300.00 ±0.25

Array Type:

Single-Sided

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 250:

Compliant

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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