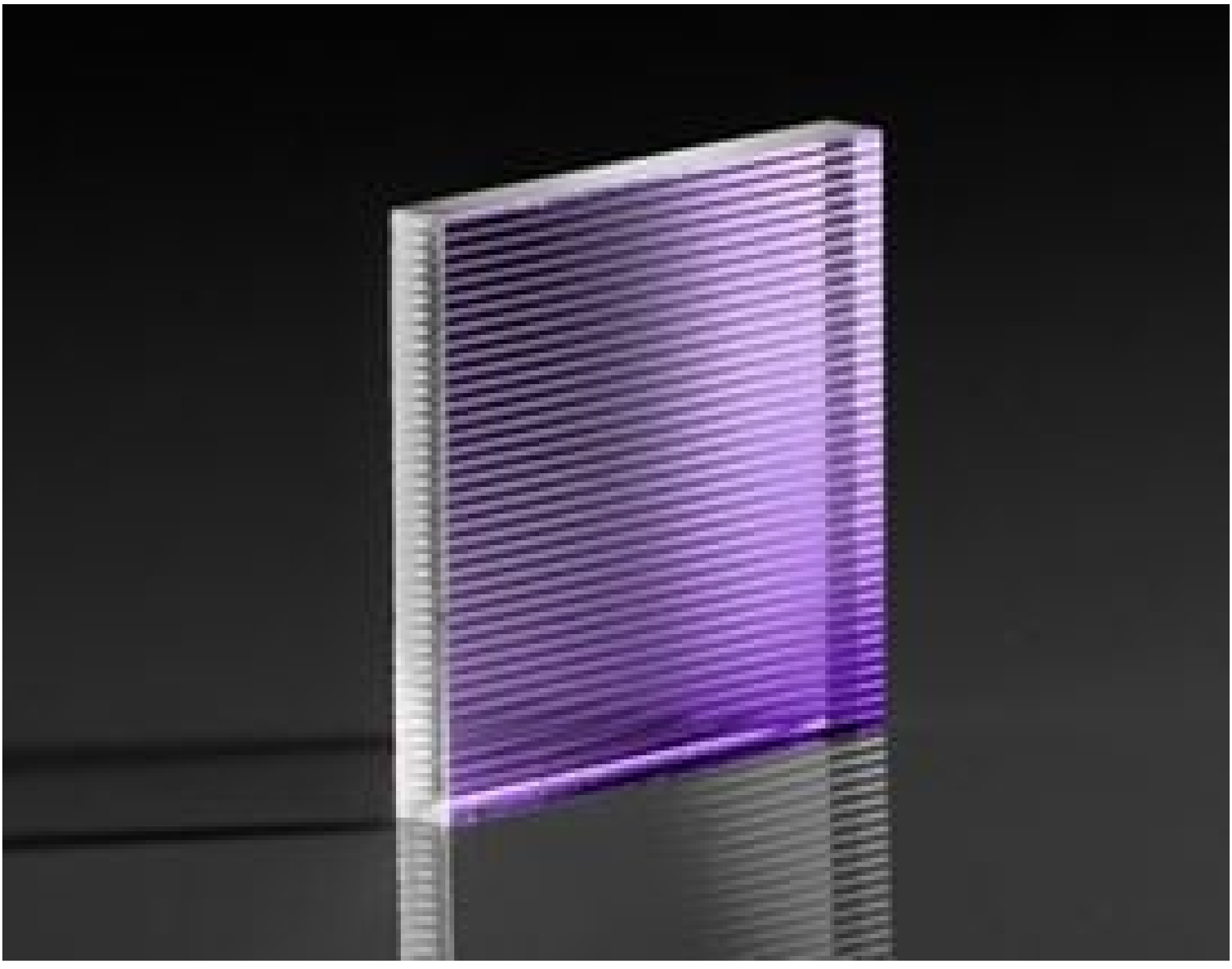
20 x 20mm, 800µm Pitch, 0.3° Div., Cyl. Microlens Array VIS-NIR



Stock **#72-596** **1 In Stock**

- 1 + **€679**.80

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Volume Pricing	
Qty 1-10	**€679,80** each
Qty 11+	**€543,84** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:	Lens Array

Physical & Mechanical Properties

Dimensions (mm):
20.0 x 20.0 ±0.10

Radius R (mm):
78.000

Thickness (mm):
2.00 ±0.10

Optical Properties

Effective Focal Length EFL (mm):
173.50 @ 1064nm

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 (°):
0.3 (Full Width)

Pitch (µm):
800.00

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