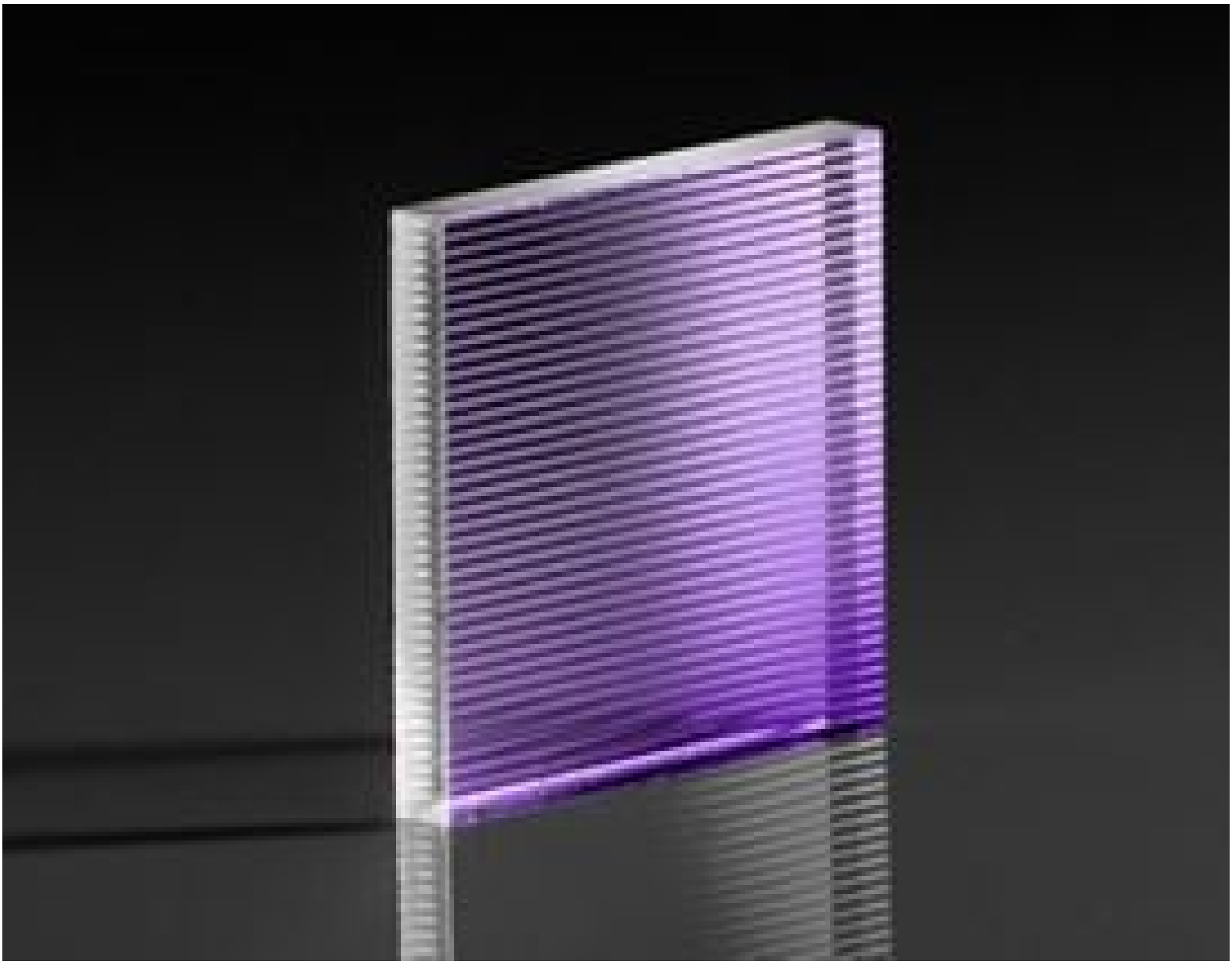
See all 33 Products in Family

12 x 12mm, 500µm Pitch, 2.3° Divergence, Cyl. Microlens Array



Stock **#23-871** **2 In Stock**

- 1 + **€510**.00

ADD TO CART

Volume Pricing	
Qty 1-10	**€510,00** each
Qty 11-25	**€459,00** each
Qty 26-49	**€434,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Lens Array

Physical & Mechanical Properties

Dimensions (mm):
12.0 x 12.0 ±0.10

Radius R (mm):
5.500

Thickness (mm):

2.00 ±0.1

Optical Properties

Effective Focal Length EFL (mm):

12.20 @ 1064nm

Substrate:

Fused Silica (Corning 7980)

Coating:

Uncoated

Wavelength Range (nm):

200 - 2200

Divergence Angle (°):

2.3 (Full Width)

Pitch (µm):

500

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.

;