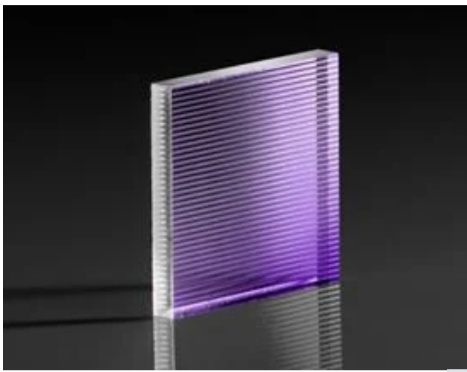


# 12 x 12mm, 500µm Pitch, 2.3° Divergence, Cyl. Microlens Array



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

1

MRP ₹65,996

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹65,996 each
Qty 11-25	₹59,779 each
Qty 26-49	₹56,431 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## 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**

Country of Origin: Germany

Imported By: Edmund Optics India Private Limited  
267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038

## 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.

## Related Products



Microlens Array Mounts



Metric Rectangular Optic Mounts

## Frequently Purchased Together



#86-840 – 10 x 10mm, 300µm Pitch, 1.1° Divergence, Cyl. Microlens Array  
₹87,463

Qty



#23-870 – 12 x 12mm, 500µm Pitch, 3.7° Divergence, Cyl. Microlens Array  
₹65,996

Qty

## Resources

### Media Type

- Application Note
- Trending in Optics
- Published Article
- FAQ
- Glossary
- Video

#### APPLICATION NOTE

Anti-Reflection (AR) Coatings

#### APPLICATION NOTE

Laser Beam Shaping Overview

#### TRENDING IN OPTICS

Non-Circular Optics for System Miniaturization

APPLICATION NOTE

What are  
Cylinder  
Lenses?

APPLICATION NOTE

Considerations  
When Using  
Cylinder  
Lenses

PUBLISHED ARTICLE

Cylinder  
Lenses for  
Beam Shaping

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