

# 12" x 12", 0.010" FL, Lenticular Array



Stock **#43-029** 6 In Stock

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+

S\$203<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | S\$203.00 each                |
| Qty 11-49      | S\$183.40 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

|                   |                |
|-------------------|----------------|
| Type:             | Lens Array     |
| Number of Lenses: | 142 per 25.4mm |

Physical & Mechanical Properties

|                               |      |
|-------------------------------|------|
| Center Thickness CT (inches): | 0.06 |
| Center Thickness CT (mm):     | 1.50 |

|               |                                 |
|---------------|---------------------------------|
| ±0.05         | Dimensional Tolerance (inches): |
| 12 x 12       | Dimensions (inches):            |
| 304.8 x 304.8 | Dimensions (mm):                |
| 12 x 12       | Effective Size (inches):        |
| ±40           | Thickness Tolerance (%):        |
| ±0.6          | Thickness Tolerance (mm):       |

Optical Properties

|            |                                        |
|------------|----------------------------------------|
| 0.25       | Effective Focal Length EFL (mm):       |
| Acrylic    | Substrate: <input type="checkbox"/>    |
| Uncoated   | Coating:                               |
| 400 - 1100 | Wavelength Range (nm):                 |
| 0.01       | Effective Focal Length EFL (inches):   |
| 1.49       | Index of Refraction (n <sub>d</sub> ): |

Environmental & Durability Factors

|              |                             |
|--------------|-----------------------------|
| 80 (Maximum) | Operating Temperature (°C): |
|--------------|-----------------------------|

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 242:                  |

## Product Details

- Arrays of Conventional Cylinder Lenses
- Used as High-Efficiency Diffusers
- Cylindrical Axis of Lenslet is Aligned Along the First Dimension

Lenticular Arrays consist of an array of conventional cylindrical lenses which efficiently divide, focus, and diffuse light rays. The focal length of each cylindrical lenslet is typically 3 to 5 times its width and its axis is aligned along the first dimension specified under array dimensions. Lenticular Arrays are ideal for use as high-efficiency diffusers within short working distances, projection screens and stereoscopic (3D) photography.

## Technical Information



