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



Stock **#43-029** **12 In Stock**

- 1 + €145<sup>.00</sup>

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Volume Pricing	
Qty 1-10	€145,00 each
Qty 11-49	€131,00 each
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**i** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Lens Array **Type:**  
142 per 25.4mm **Number of Lenses:**

### Physical & Mechanical Properties

0.06 **Center Thickness CT (inches):**

1.50	<b>Center Thickness CT (mm):</b>
±0.05	<b>Dimensional Tolerance (inches):</b>
12 x 12	<b>Dimensions (inches):</b>
304.8 x 304.8	<b>Dimensions (mm):</b>
12 x 12	<b>Effective Size (inches):</b>
±40	<b>Thickness Tolerance (%):</b>
±0.6	<b>Thickness Tolerance (mm):</b>

### Optical Properties

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

### Environmental & Durability Factors

80 (Maximum)	<b>Operating Temperature (°C):</b>
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### Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 242:</b>

## 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



