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9.75" x 13.0", 0.411" FL, Lenticular Array



Stock **#43-026** **7 In Stock**

S\$203^{.00}

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Qty 1-10	S\$203.00 each
Qty 11-49	S\$183.40 each
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General

Type:
Lens Array

Number of Lenses:
3 per 25.4mm

Physical & Mechanical Properties

Center Thickness CT (inches):
0.09

Center Thickness CT (mm):
2.30

Dimensional Tolerance (inches):
±0.05

Dimensions (inches):
9.75 x 13

Dimensions (mm):
247.65 x 330.2

Effective Size (inches):
9 x 12

Thickness Tolerance (%):
±40

Thickness Tolerance (mm):
±0.92

Optical Properties

Effective Focal Length EFL (mm):
10.41

Substrate:
Acrylic

Coating:
Uncoated

Wavelength Range (nm):
400 - 1100

Effective Focal Length EFL (inches):
0.41

Index of Refraction (n_d):
1.49

Environmental & Durability Factors

Operating Temperature (°C):
80 (Maximum)

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 242:
[Compliant](#)

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



