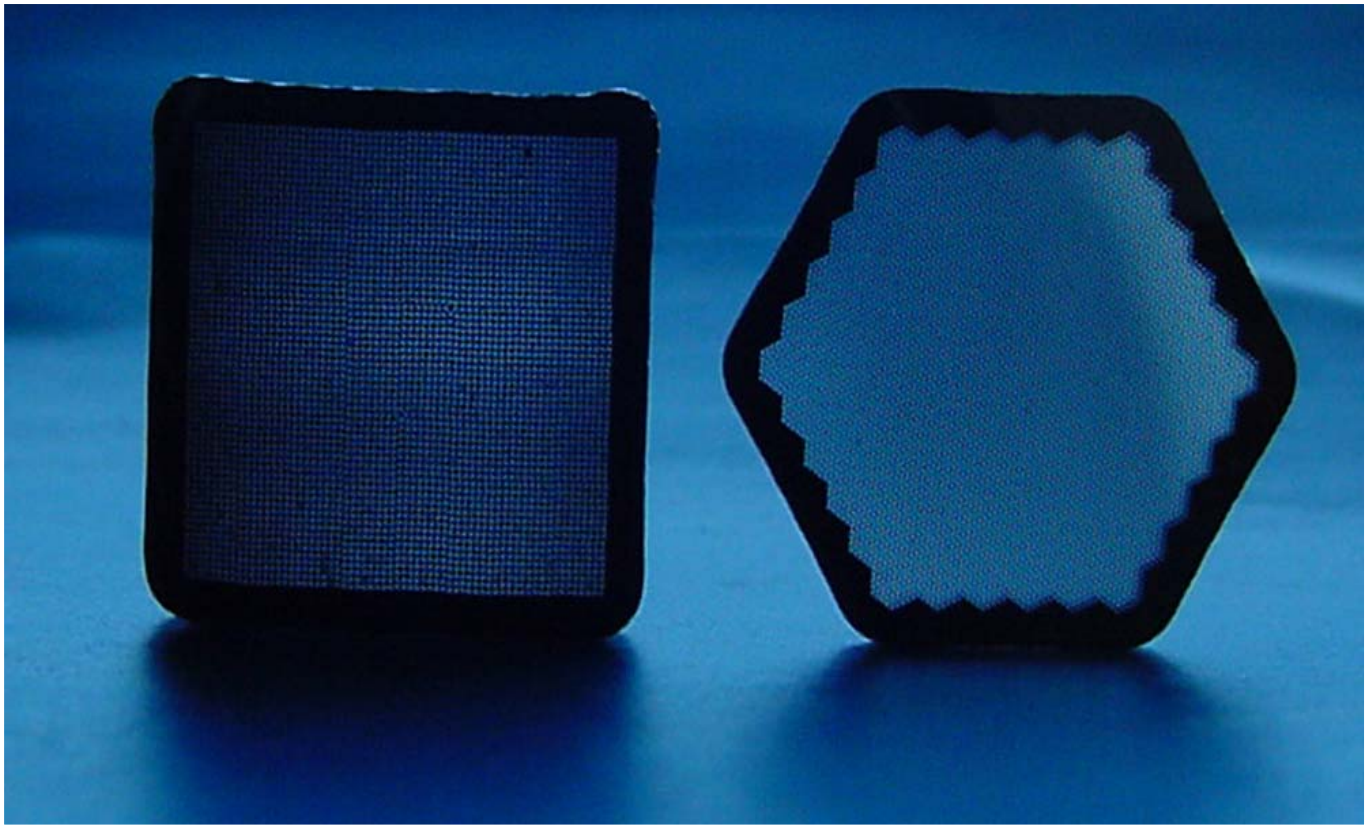
Capillary Arrays

High Density Hollow Fiber Arrays



Performance Characteristics

High density capillary arrays are manufactured by SCHOTT Lighting and Imaging for high performance, healthcare and scientific applications. Typically these components are used in genomics, proteomics, drug discovery and research, micro-fluidic systems, water purification and mechanical subsystems. The glass processing technology developed by SCHOTT for these components is based on over 20 years of experience in the manufacturing of high resolution fiber optic imaging components for military night vision, x-ray, industrial and scientific imaging applications.

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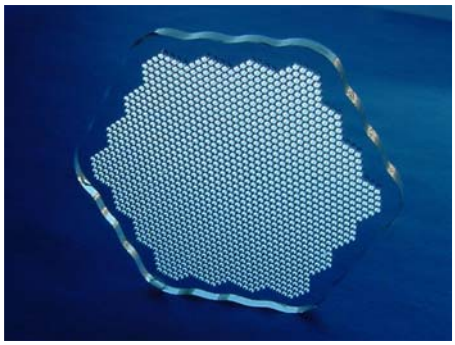
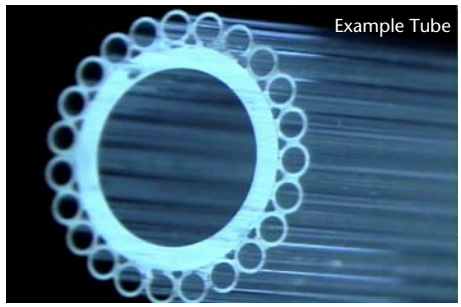
Typical Capillary Array Specifications

Assembly	Capillary Plate Array	Linear and Plate Array	Linear and Plate Array (UV Transmitting)	Linear Capillary Array
Lead	Lead containing	Lead free	Lead free	Lead free
Thermal Expansion	91 x 10^{-7}/°C	91 x 10^{-7}/°C	97 x 10^{-7}/°C	47 x 10^{-7}/°C
Refractive Index	1.556	1.514	1.505	1.48
Color	Available in clear and black	Available in clear	Available in clear	Available in clear and high contrast black
Format 1. Pore Size 2. Shape 3. Open Area	≥ 10 µm Round or square, Up to 150 mm (diameter or square) or larger by request Ratio 50/70 %			≥ 50 µm Round or hexagonal Up to 25 mm (diameter) Ratio 50/70 %
Thickness / Length	Determined by pore diameter Typical: 40:1 aspect ratio @ 10 µm 100:1 aspect ratio @ 1000 µm Other ratios available			Up to 2 meters long



Specialty Designs

- Intagliated (micro wells)
- Posts
- Round tube configuration



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Version 5.2010

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