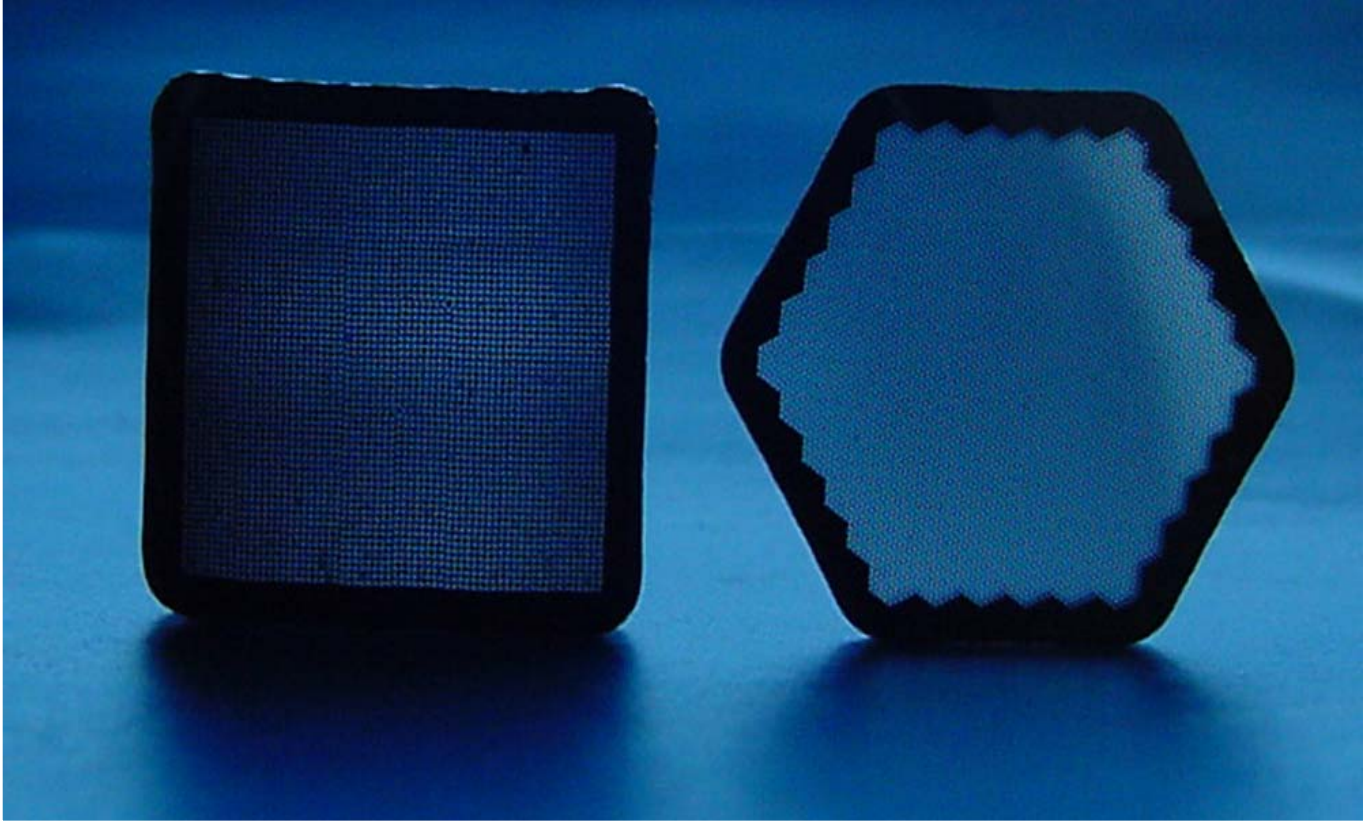


Capillary Arrays

High Density Hollow Fiber Arrays

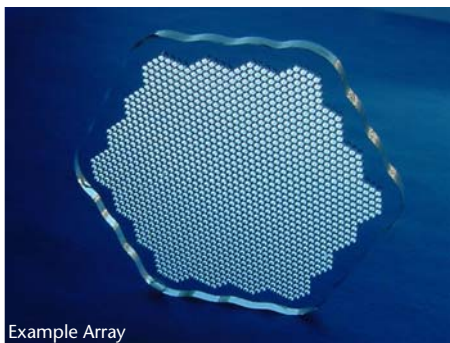


Performance Characteristics

High density capillary arrays are fiber optics 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 imaging components for military night vision, x-ray, industrial and scientific imaging applications.

Typical Capillary Array Specifications

Assembly	Capillary Plate Array	Linear and Plate Array	Linear and Plate Array	Linear Capillary Array
Glass Type	SCHOTT Glass 8095	SCHOTT Glass 8350	SCHOTT Glass 8405 (UV Transmitting)	SCHOTT Glass 8242
Lead	Lead containing	Lead free	Lead free	Lead free
Thermal Expansion	$90 \times 10^{-7}/^{\circ}\text{C}$	$91 \times 10^{-7}/^{\circ}\text{C}$	$98 \times 10^{-7}/^{\circ}\text{C}$	$50 \times 10^{-7}/^{\circ}\text{C}$
Refractive Index	1.56	1.51	1.505	1.49
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	$\geq 10 \mu\text{m}$ Type: round or square Up to 150 mm (diameter or square) Ratio 50/50			$\geq 50 \mu\text{m}$ Type: round Up to 25 mm (diameter) Ratio 50/50
Thickness / Length	Determined by pore diameter Typical: 40:1 aspect ratio @ $10 \mu\text{m}$ 100:1 aspect ratio @ $1000 \mu\text{m}$ Other ratios available			Up to 2 meters long



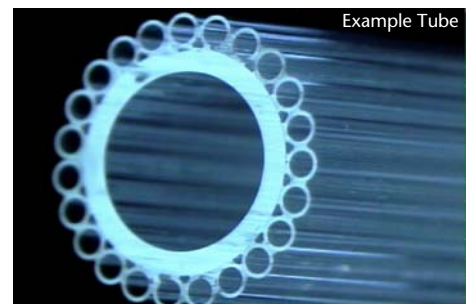
Example Array

Specialty Designs

Intagliated

Posts

Round tube configuration



Example Tube

For more information please contact

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