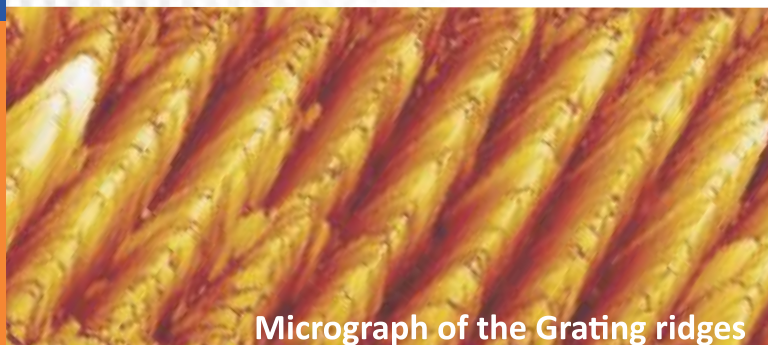


LightLogics

Holographic Volume Phase Gratings

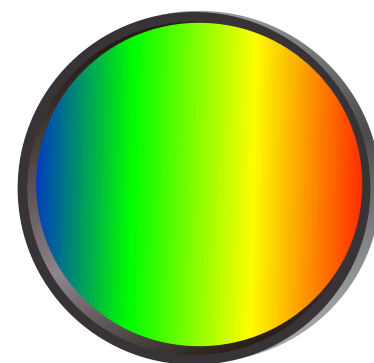
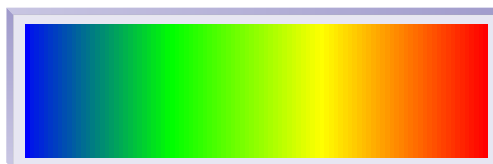
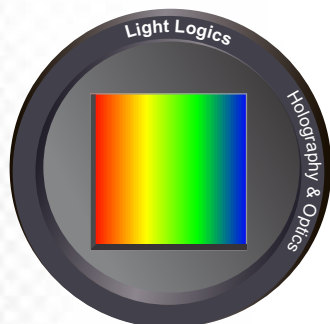
For Scientific and Industrial applications



Micrograph of the Grating ridges

Light Logics has introduced high efficiency photopolymer holographic volume phase gratings with several scientific and industrial applications. During the past years the Company has been working on the development of critical holographic diffractive elements for the National Fusion Program of India, a partner nation along with the EU, Japan, China, Korea, the Russian Federation and the United States of America in the International Thermonuclear Experimental Reactor (ITER) program. This is a path breaking

project for future energy security that demands convergence of many advanced technologies, including diffractive optics. Technologies developed by Light Logics have bagged two consecutive Innovation Gold Medals jointly instituted by the Lockheed Martin(USA), Indo-US Science and Technology Forum, Department of Science and Technology and the University of Texas at Austin. Apart from cost effectiveness, these finely crafted gratings from a holography technology company have many advantages over traditional gratings.



Gratings

Specifications and Key Benefits

- Very high diffraction efficiency (of over 90%)
- Groove density ranging from 750 to 3000 lines/mm
- Size ranging from 25mm x 25mm to 100mmx100mm
- Transmission and reflection type gratings
- All gratings are directly recorded masters
- Professional grade photopolymer material
- Protected by optical quality glass for high durability
- Gratings with uniform linear groove spacing
- Gratings with curved groove spacing
- Custom and off the shelf models
- Special package for OEMs
- No water affinity as with Dichromated Gelatin

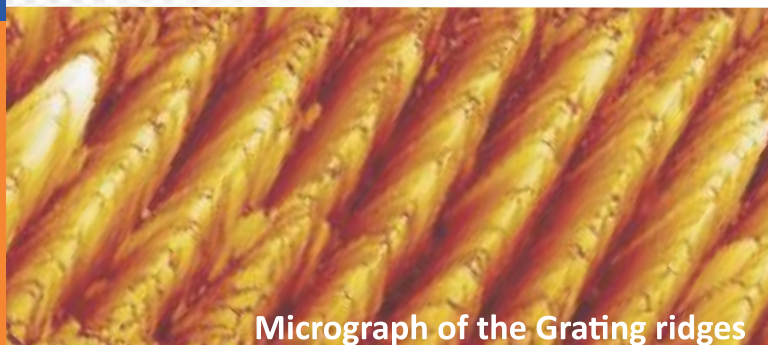
Contact: Light Logics Pvt. Ltd., Crescent Hill, Thiruvallom, Trivandrum-695 027, Kerala, India.

E-mail: sales@lightlogics.in, info@lightlogics.in, Phone: +91-471-2383484, 2527282, Fax: 2383584.

www.lightlogics.in

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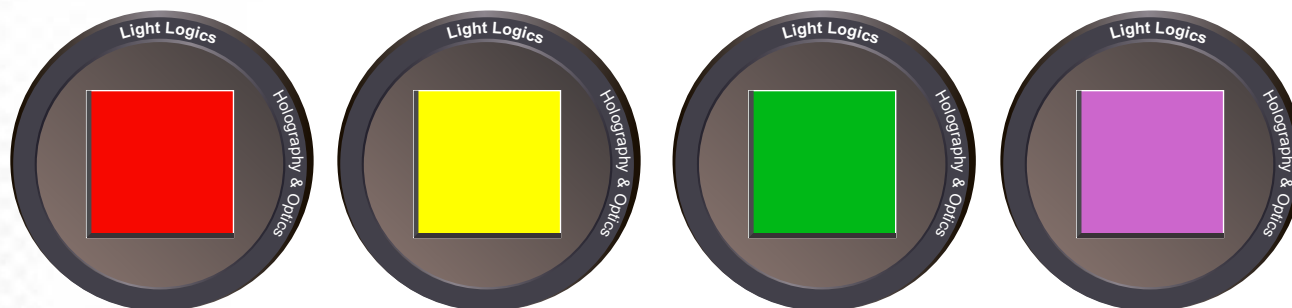
Holographic Volume Phase Filters



Micrograph of the Grating ridges

Light Logics has introduced high efficiency photopolymer holographic volume phase filters with several scientific and industrial applications. During the past years the Company has been working on the development of critical holographic diffractive elements for the National Fusion Program of India, a partner nation along with the EU, Japan, China, Korea, the Russian Federation and the United States of America, in the International Thermonuclear Experimental Reactor (ITER) program. This is a path breaking

project for future energy security that demands convergence of many advanced technologies, including diffractive optics. Technologies developed by Light Logics have bagged two consecutive Innovation Gold Medals jointly instituted by the Lockheed Martin(USA), Indo-US Science and Technology Forum, Department of Science and Technology and the University of Texas at Austin. Apart from cost effectiveness, these finely crafted wavelength filters have many advantages over traditional thinfilm filters.



Filters

Narrow band and wideband filters

- High diffraction efficiency
- Applies professional grade photopolymer
- Low scatter and low loss
- Grating structure is glass encapsulated
- Cleanable with long-term reliability
- No water affinity as with Dichromated Gelatin
- Wavelength range from violet to NIR
- Transmission and reflection type filters
- Narrow and wide band filters
- Custom engineered filters
- Excellent side lobe suppression

Contact: Light Logics Pvt. Ltd., Crescent Hill, Thiruvallom, Trivandrum-695 027, Kerala, India.

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