

Press Release

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## **Luminit LLC Develops Single-Piece RGB Hologram for Use in Automotive HUDs**

*Responding to the needs of the growing automotive HUD industry, the company will showcase its single layer/component three-color film at Vehicle Displays Detroit.*

TORRANCE, CA – August 15, 2019 – Luminit LLC (Vehicle Displays Table 70), a privately held high technology company specializing in optics and holographic Light Shaping Diffusers®, announced a significant breakthrough in Augmented Reality for automotive HUDs with a single-layer film that includes RGB wavelengths to support full color, transparent holographic images. Manufactured under the brand Transparent Holographic Components™, the single-layer RGB film gives Tier 1 HUD manufacturers more flexibility in design and a vastly simplified assembly process.

“Luminit continues to lead the industry with high-performance optics and holographic technologies that meet the market demand of automotive HUDs,” notes Suleyman Turgut, Chief Revenue Officer at Luminit, LLC. “It’s a significant achievement to produce a single-layer film with the full color spectrum and we’re looking forward to demonstrating it in Detroit.”

One of the few companies capable of a single-layer RGB optical film and the only company with roll-to-roll mass production of Holographic Optical Elements, Luminit Transparent Holographic Components (THCs) are based on the company’s decades-long research in Holographic Optical Element technology, beginning with HOE-based head mounted displays for the U.S. military. THCs replace bulky and expensive optics with thin (10-30 micron) holographic photopolymer film that is wavelength and angle selective, has very low scattering and transparency is above 90%. Luminit will showcase the single-layer HUD at Display Week Detroit, September 24-25<sup>th</sup>, 2019.

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### **About Luminit**

Luminit LLC is a privately-held company specializing in fine optics and microoptics. Our Light Shaping Diffusers® use a patented holographic master recording technology that reshapes and redirects light sources for use in LED lighting, architectural lighting, bio-medical illumination, semiconductor metrology, aerospace, automotive, laser and display applications. Luminit Transparent Holographic Components™ are meeting the needs of Augmented Reality for wearables and automotive, and our Light Shaping MicroOptics bring custom designs from conception to high volume production for emerging markets such as LiDAR, 3D sensing and Time of Flight (ToF).

