

# MATERIAL SPOTLIGHT



## Light Shaping Diffusers®

*Bend, blend & reshape light for dramatic results.*

### What is a Light Shaping Diffuser?

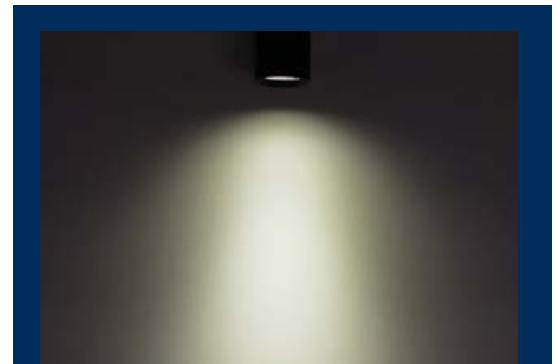
Light diffusing films with patented holographic patterns embedded into polycarbonate or polyester sheets. Homogenize and directionally shape light with high-transmission efficiency that is required in many advanced applications.

### Material Specifics

- Substrate: PC or Polyester Films
- Format: Seamed & Seamless rolls, sheets
- 82% - 92% light transmission efficiency
- Circular & elliptical beam angles from 1° - 80°
- Options: UV Stable, UL Approved

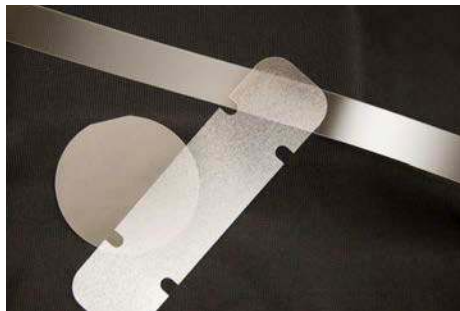
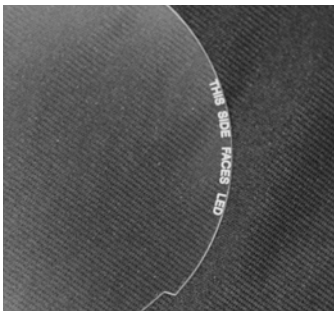
### How this material helps lighting designers and manufacturers:

- Clean up and shape a light beam
- LED's – diffuse hot spots and uneven light distribution
- Elimination of moire & color diffraction
- Angular beam control



### Why Marian & Luminit Light Shaping Diffusers?

- Specialty die-cutting capabilities of fragile LSD material
- Experience with the extreme caution, care and attention to detail that is required to work with LSD materials
- Screen printing/embossing capabilities for ID placement on the die-cut LSD for part and angle identification



### APPLICATIONS

- LED Lighting
- Architectural Lighting
- Wall/Cove Lighting
- Entertainment/Set Lighting
- Recessed Down Lighting
- Spotlights/Lamps/Modules
- Signs & Displays
- Pool Lighting
- Direct View (Requiring homogenized light) – LED displays, tail lights, instrument cluster display, gaming displays, channel lettering