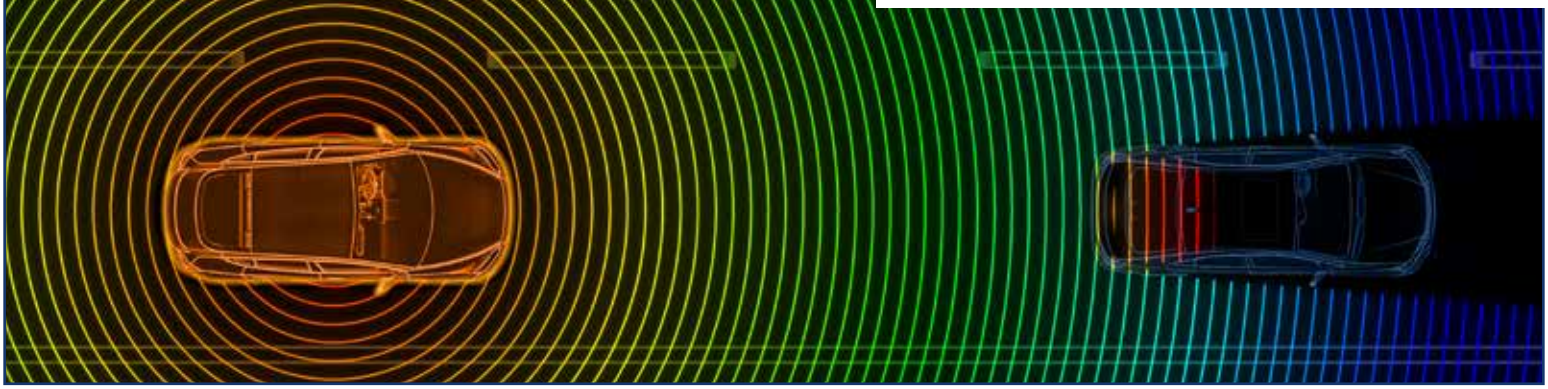
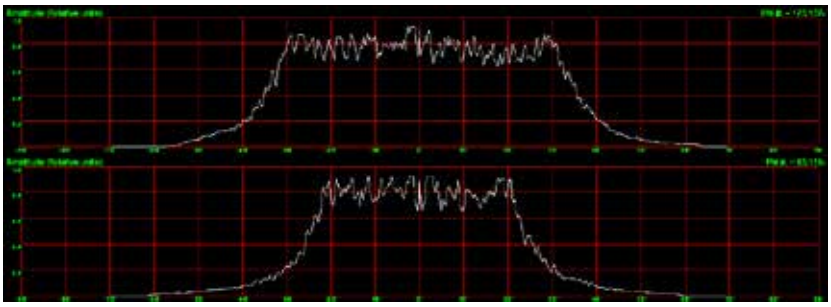
Luminit
LIGHT SHAPING SOLUTIONS

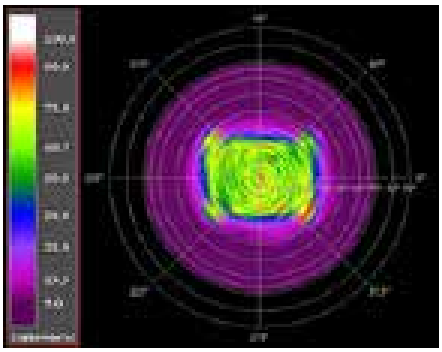
Flat Top Diffuser

Sample Disc Specs





Flat Top Intensity Profile



Flat Top

Luminit utilizes a direct-beam laser writing platform and proven manufacturing processes to bring flat top diffusers into high volume production. Our greyscale laser photolithography is a single-step, maskless writing process that enables the creation or mastering of refractive and diffractive optics with feature sizes down to 1 micron. With design, mastering, replication, test and measurement under one roof, advantages for customers include faster time to market and simplified supply chains. Thin film or rigid optical components can be manufactured by injection molding, roll-to-roll embossing, or sheet-by-sheet embossing, depending on thickness, substrate, temperature and volume requirements.

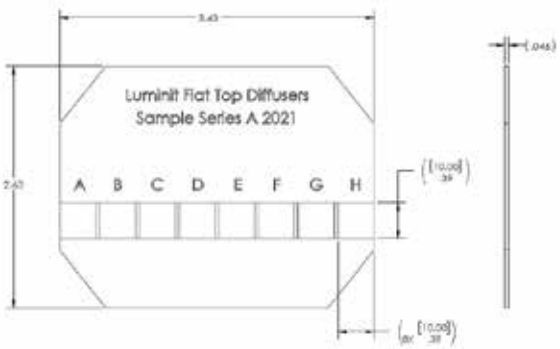
Applications

- LiDAR
- Head Up Displays
- Head Mounted Displays
- Time of Flight
- 3D Sensing
- Machine Vision

Specifications

Max Area	150 x 150 mm
Minimum Feature Size (XY)	1 micron
Number of Z levels	>1000
Maximum Depth	100 micron

Test Kit



*measurements in inches

Kit 1	Shape	Angle
A	Rectangular	30° x 16°
B		60° x 45°
C	Square	11°
D		30°
E	Linear	32° x 0°
F		65° x 0°
G	Circular	21°
H		43°

For more information, contact sales@luminitco.com
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