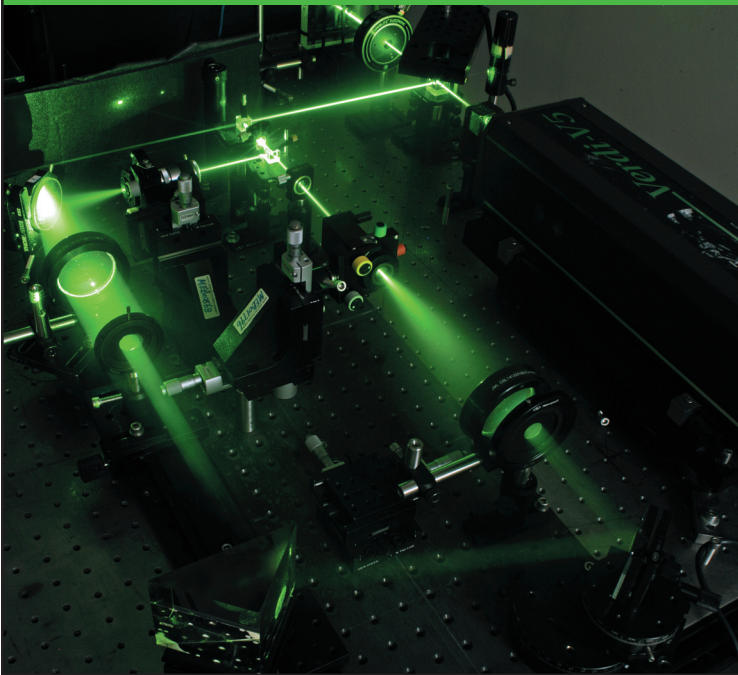


## LIGHT SHAPING DIFFUSERS FOR LASER APPLICATIONS

Light Shaping Diffusers that are designed for high temperature and high power laser applications and offer superior UV transmission.

- **High temperature** Up to 725°C stable
- **High laser damage threshold** 8J/cm<sup>2</sup>
- **Excellent UV Transmission** 240nm and higher

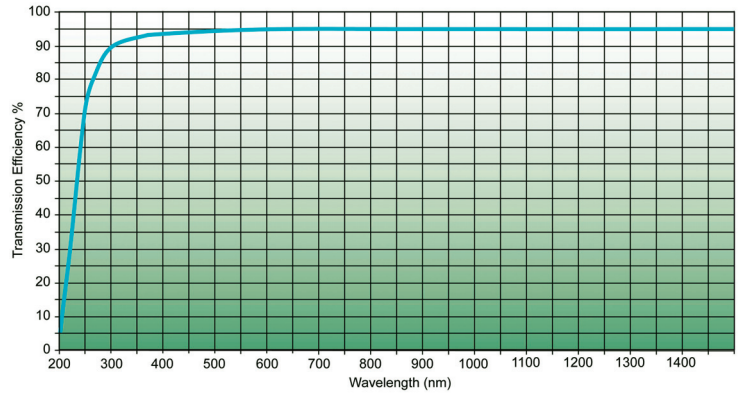
A holographically recorded, randomized surface relief structure is replicated in glass on the surface of a float glass or UV silica substrate. The precise surface relief structures provide high transmission efficiency (up to 92%) and controlled beam angle divergence while providing high quality homogenized light.



Luminit is a world-wide leader in technical innovation in the management of light. Our broad product line of Light Shaping Diffusers and custom designed solutions can be tailored to your most exacting needs.

**LSD Ultra-High Temperature  
Power Glass Diffuser  
725°C Stable**

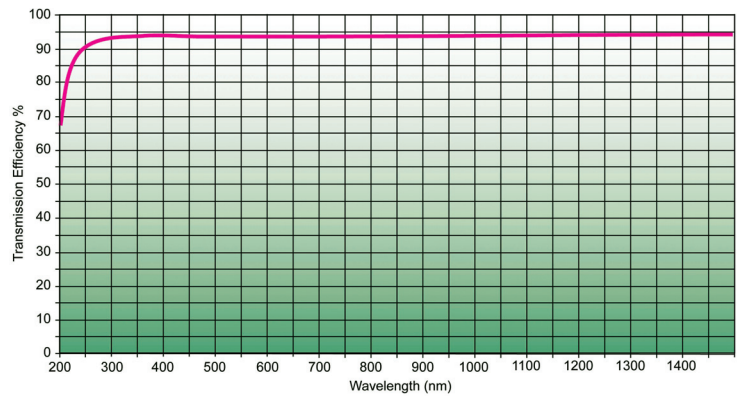
Angle FWHM	Substrate & Thickness	Size
0.5° to 12°	Silica, Glass B270 3mm	25mm Dia. 50mm Dia. 2" x 2"



LSD on Glass Transmission Performance

**LSD UV Transmitting  
Fused Silica Diffuser  
70% at 190nm**

Angle FWHM	Substrate & Thickness	Size
0.5° to 12°	Fused Silica 3mm	25mm Dia. 50mm Dia. 2" x 2"



LSD on UV Silica Transmission Performance

**LSD High Temperature  
Power Glass Diffuser  
275°C Stable**

Angle FWHM	Substrate & Thickness	Size
0.5° to 50°	Glass B270 3mm	25mm Dia. 50mm Dia. 2" x 2"

*All specifications contained herein are subject to change without notice.*

**For more information,  
email [info@LuminitCo.com](mailto:info@LuminitCo.com)**

**PRODUCT INFORMATION**

- **Brightness Uniformity >=85%**
- **Temperature Range:  
-40°C to 275°C or -40°C to 725°C**
- **Humidity: Cycled at 95%  
for 24 hours**
- **Circular angles**



1850 W. 205th Street Torrance, California 90501  
Tel: 310.320.1066 Fax: 310.320.8067 [Info@LuminitCo.com](mailto:Info@LuminitCo.com)  
[www.LuminitCo.com](http://www.LuminitCo.com)