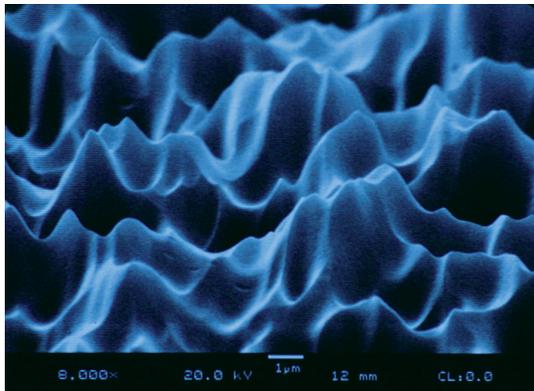
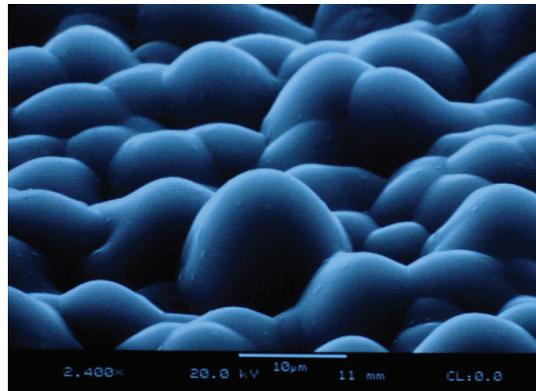


Tailored Micro Diffusers (TMD)

Tailored Micro Diffusers (TMD) are holographically recorded surface relief microstructures which can demonstrate higher brightness and better uniformity than conventional glass bead diffusers. WaveFront Technology, Inc. (WFT) manufactures these TMD's in a roll to roll process, in a variety of base materials while obtaining a wide range of angular outputs both circular and elliptical. TMD's can be tailored to meet your custom requirements. Call to order standard products or to discuss your project needs.



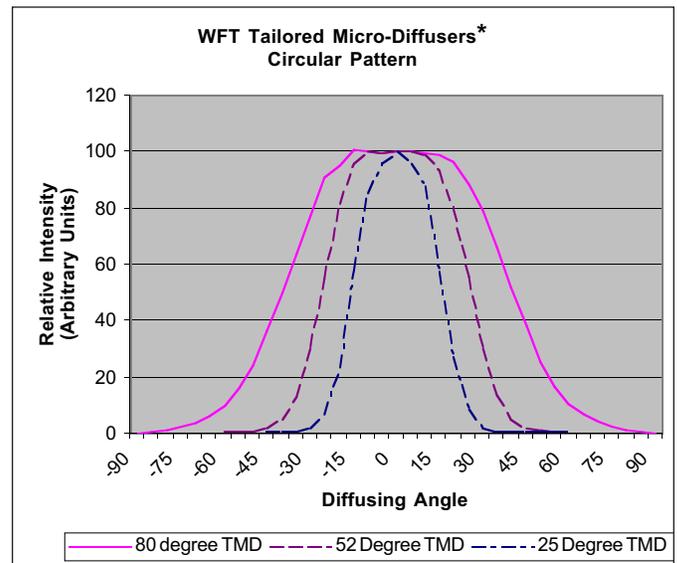
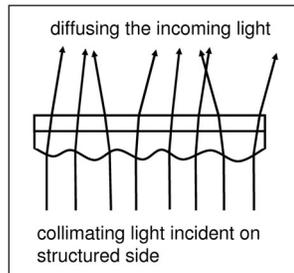
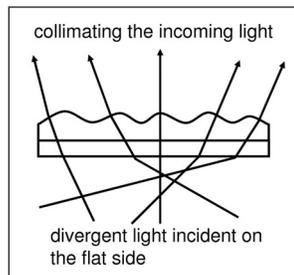
Elliptical Diffuser



Circular Diffuser

Applications:

- LCD Backlights
- RPTV
- Front Projection Displays
- Avionics Displays
- Architectural Lighting
- Automotive Instrumentation
- Illumination Systems



Specifications			
Haze	5-97%	Temperature Range	-15 to +85°C
Transmission	75-92%	Humidity	95%
Angular tolerance	±10%	Pencil hardness	6H
Uniformity	>90%	Surface Energy	36 dyne/cm

Sizes available from 2" x 2" to 12" x 24", growing to 36" x 48" in the near future.

Angular Output Standards* (FWHM)	
Circular	Elliptical H/V
2°	15° x 8°
5°	30° x 2°
10°	50° x 20°
25°	75° x 25°
50°	80° x 2°
80°	90° x 35°

*Custom angular outputs and substrate thicknesses available upon request.

Substrate Materials and Thickness:

PET Polyester	3, 5, 7, 10 Mil
PC Polycarbonate	7, 10, 20, 30, 60 Mil
Acrylic	5, 7, 30, 60 Mil
B270 Glass	1, 2, and 3 mm

Ordering Information

TMD

Tailored Micro
Diffuser

7525

Angular Output
75° x 25°

PE10

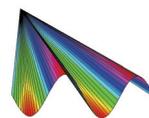
Substrate Materials
and Thickness:

PE = PET Polyester;
PC = Polycarbonate;
PM = Acrylic
B2 = B270
10 = 10 mil thickness

XXX

Custom extension
Size or customer related

The seller will refund or replace any materials found to be defective. The seller shall not be liable in contract or in tort for any injury, loss, or damage, whether direct, indirect, incidental, special or consequential, arising out of the use of or the inability to use the product.



WaveFront Technology, Inc.

We control light.™