

Engineered Diffusers™

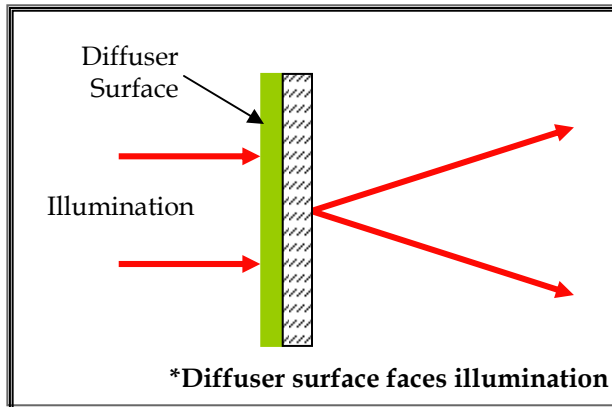
EDF-C1

Scatter Properties

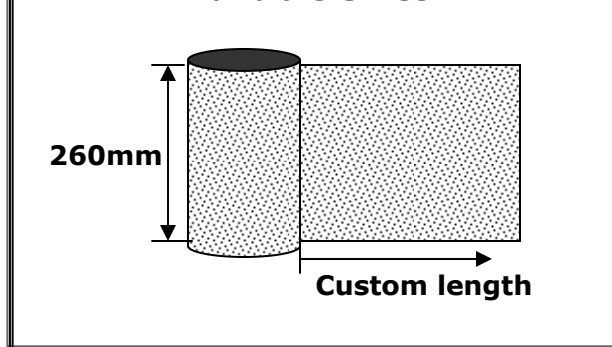
Shape	Circular
Angle full-width 50%	56°
Intensity ratio edge-to-center	2:1
Diffuser feature size	≤ 80µm
Operating wavelength	Achromatic

Physical Properties

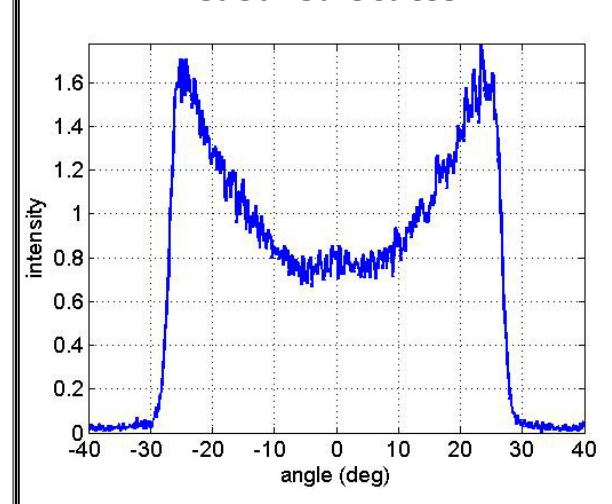
Master	D8020
Material	PET Film
Thickness	150µm
Index of refraction	1.58
Temperature range	-20°C to 30°C
Relative humidity	20-80%



Available Sizes



Measured scatter



Notes

- Scatter angles measured with laser light at 633nm and collimated illumination. Actual angles may differ from nominal for other wavelengths or degree of collimation.
- For best uniformity illuminating beam should be several times larger than diffuser feature size.
- Handling and cleaning:
 - Avoid touching diffuser surface
 - To clean just blow diffuser surface with dry compressed air

Engineered Diffusers™

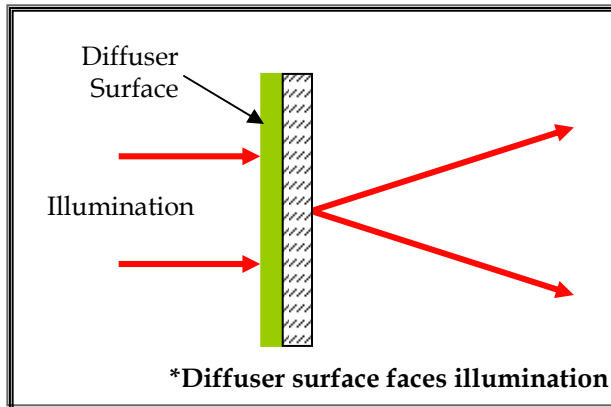
EDF-L1

Scatter Properties

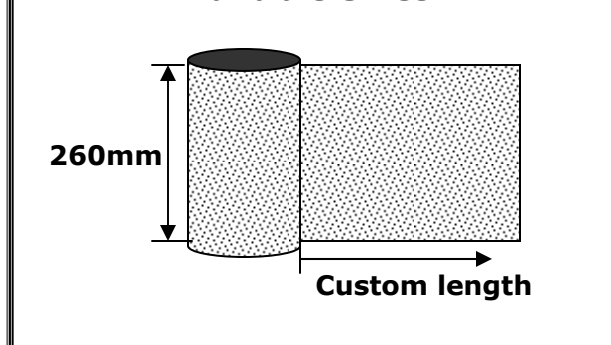
Shape	Line
Angle full-width 50%	56°
Intensity ratio edge-to-center	2:1
Diffuser feature size	≤ 80μm
Operating wavelength	Achromatic

Physical Properties

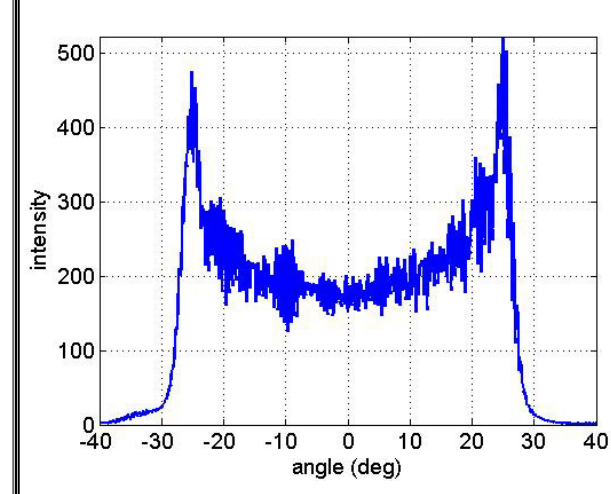
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