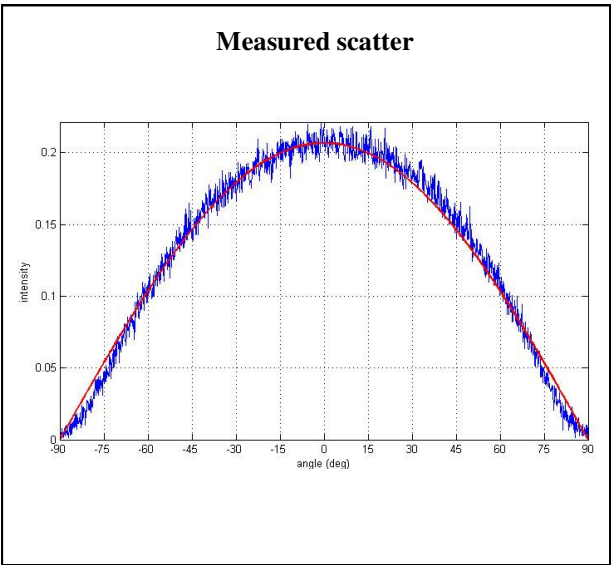
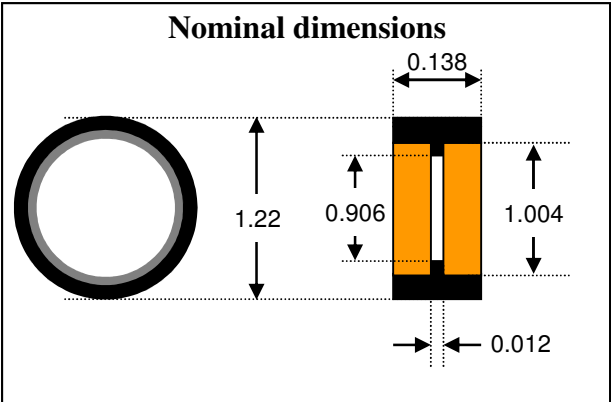
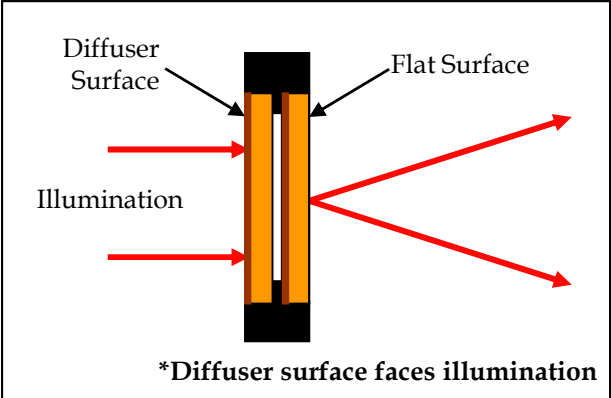


Engineered Diffusers™

HiLAM

Scatter Properties	
Shape	Lambertian
Angle full-width 50%	120°
Incident beam size	~0.5mm or larger
Transmission efficiency	~75%
Operating wavelength	Achromatic
Physical Properties	
Material	Polymer replicated on glass substrate
Assembly	Two replicated diffusers with air gap
Index of refraction	1.56
Clear aperture	Center 95%
Transmission spectrum	350-2000nm
Temperature range	-150°C to 120°C



- 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