

ACRYLITE® Satinice

Light diffusing acrylic for backlighting

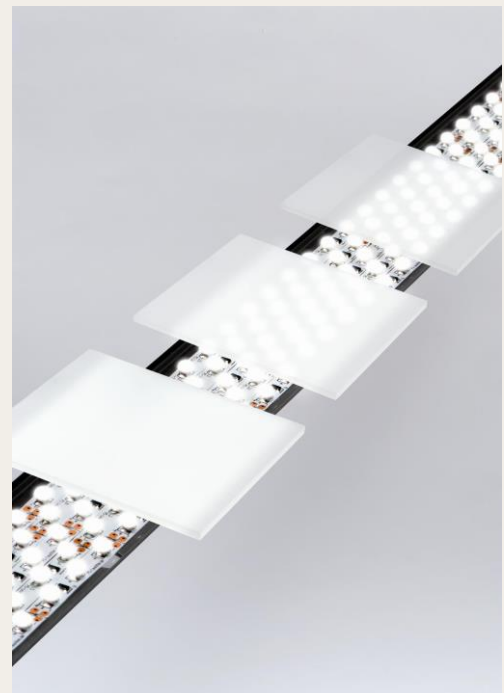
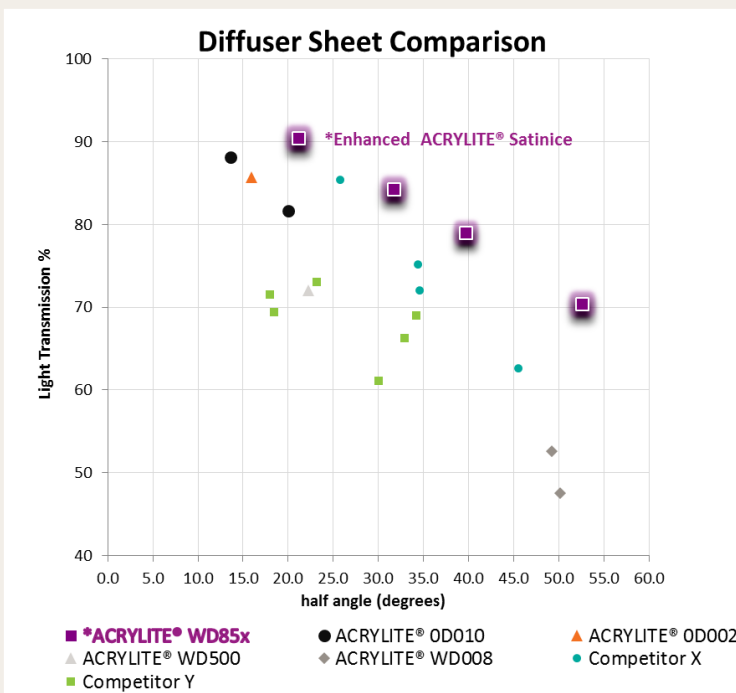
Product

The ACRYLITE® Satinice optimum light diffusion portfolio has been expanded and now offers four additional grades with higher light transmission and greater diffusion. Designed for architectural and linear LED lighting applications, these superior ACRYLITE® Satinice specialty acrylic grades are offered in sheet and molding compounds. Injection molded, blow molded or custom extruded profile lenses are available through your preferred convertor partner using ACRYLITE® Satinice molding compounds.

Benefits

ACRYLITE® Satinice provides the following outstanding properties:

- High light transmission with outstanding diffusion to eliminate LED hot spots
- Four new grades provides wide range of diffusion
- Polymer can be “blended” to create even more tailored precision for the specific application
- Scattering particles within the acrylic
- Matte surface (when extruded) provides better light scattering, glare reduction and scratch resistance



	WD852	OV452	WD853	OV453	WD854	OV454	WD855	OV455
Injection Molding	-	✓	-	✓	-	✓	-	✓
Extrusion	-	✓	-	✓	-	✓	-	✓
Sheet	✓	-	✓	-	✓	-	✓	-
Impact Modified	-	available	-	available	-	available	-	available
Stocked Thickness(mm)	1.5, 2.0, 3.0	-	1.5, 2.0, 3.0	-	1.5, 2.0, 3.0	-	1.5, 2.0, 3.0	-
Lighting Properties								
*Light Transmission % @ 2mm	92		85		79		72	
**Half Angle @2mm	20		30		40		50	
Recognitions (UL 94HB)								
RTI90	✓	✓	✓	✓	✓	✓	✓	✓
f1 Outdoor	✓	✓	✓	✓	✓	✓	✓	✓

*measurements recorded with BYK Gardner Haze Gard Plus machine

**The angle having half the light intensity of a collimated beam shone through a sample perpendicular to the light source. Twice the half angle is defined as the FWHM (Full Width Half Maximum)

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