

White Reflective Film

IMPROVES BRIGHTNESS AND EFFICIENCY

Fusion Optix White Reflective Film offers an industry leading 97% diffuse reflectivity to ensure maximum system optical efficiency.

When used in conjunction with Fusion Optix' Light Enhancing Films and Diffusion Films, our White Reflective Film promotes highly efficient light control and extraction resulting in greatly improved fixture performance.

Our White Reflective Film is also highly durable, and can withstand rugged usage throughout its lifetime with minimal optical and physical degradation.

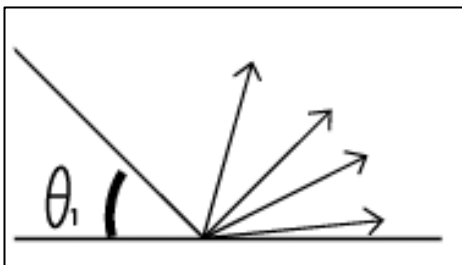


Benefits

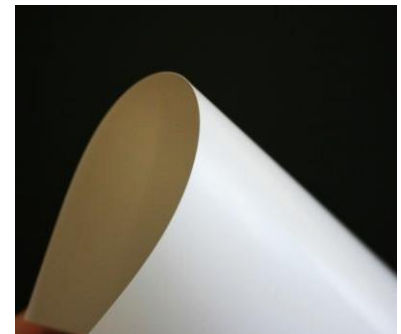
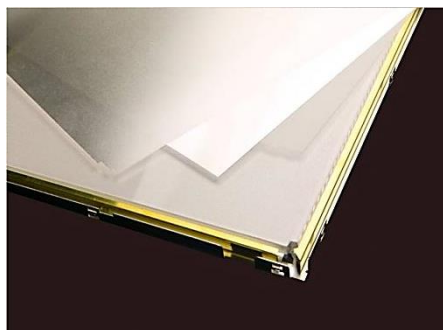
- High Reflectance (97%)
- Improved display uniformity due to diffuse reflectance.
- Improved system efficiency
- Uniform reflectance across visible spectrum
- Long lasting and durable
- Custom sizes and form factors available

Applications

- Troffer Fixtures
- Recessed Downlights
- LED Lighting
- Backlighting



Fusion Optix diffuse reflectance technology promotes highly uniform backlighting



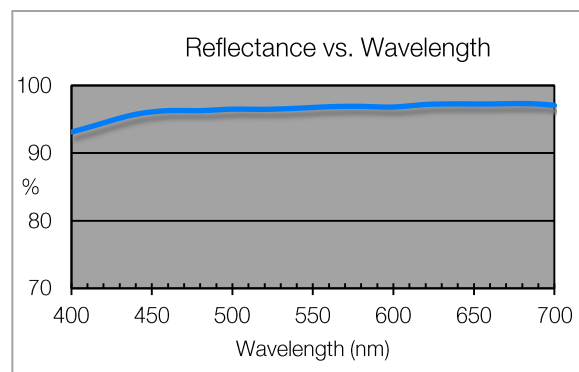
Optical Properties

Characteristic	Values	Test Method
Thickness	.15mm	FO Test
Reflectivity at 550nm	97%	Spectrophotometer
Gloss @60°	45GU	ASTM D523-89
Gloss @45°	40GU	
Whiteness	100%	ASTM E313-79

FO Part Number	Description	Dimension L x W
FOC04-1001-0000	Square Reflector WRF-150	102 x 102 mm
FOC04-1002-0000	Square Reflector WRF-150	152 x 152 mm
FOC04-1003-0000	Square Reflector WRF-150	203 x 203 mm
FOC04-1004-0000	Square Reflector WRF-150	254 x 254 mm
FOC04-1005-0000	Square Reflector WRF-150	305 x 305 mm
FOC04-1006-0000	Square Reflector WRF-150	610 x 610 mm
FOC04-1007-0000	Linear Reflector WRF-150	305 x 51 mm
FOC04-1008-0000	Linear Reflector WRF-150	610 x 51 mm
FOC04-1009-0000	Linear Reflector WRF-150	305 x 102 mm
FOC04-1010-0000	Linear Reflector WRF-150	610 x 102 mm
FOC04-1011-0000	Linear Reflector WRF-150	1219 x 102 mm

Physical Properties

Characteristic	Value		Test Method
Tensile Strength (Mpa)	MD	72	JIS C 2318
	TD	86	
Elongation to Break (%)	MD	75	JIS C 2318
	TD	63	
Shrinkage (%) (85°C x 30min)	MD	0.4	JIS C 2318
	TD	-0.1	



OEM Support

Fusion Optix offers unparalleled OEM support and service. We provide quick-turn prototyping and design support for a fraction of the price of our competitors with our full range of in-house design and converting capabilities including:

- Die cutting
- Laser Cutting and Etching
- Custom Extrusion
- CNC Routing and Milling
- Plastic Welding
- Thermoforming
- 3D Printing
- Optical and Thermal Modeling

Notes

- 1) All numerical values in this datasheet are provided assuming a $\pm 5\%$ tolerance
- 2) For information regarding product pricing, availability, and Additional Options such as custom form factors, sizes, diffusion angles and materials please contact a Fusion Optix Sales representative at the address and phone number below.
- 3) Custom product samples are available for a nominal set-up/development fee. Please contact a Fusion Optix Sales representative for more information.
- 4) Buyer is responsible for all shipping charges.
- 5) Standard sample orders usually ship within 1 week. Custom orders may take longer.

This information has been carefully compiled from experience gained in the laboratory and under commercial conditions in a wide range of applications. However, the product's performance and its suitability depends heavily on the particular conditions of use. Fusion Optix, Inc. assumes no responsibility for suitability or use of our products in any lighting products or other applications. The use of our products at excessive temperatures with high UV output light sources will likely cause degradation of the material. We recommend that customers satisfy themselves that each product meets their requirements in all respects. This information is being provided by Fusion Optix, Inc. free of charge as a courtesy to customer, and Fusion Optix, Inc. HEREBY DISCLAIMS ALL REPRESENTATIONS, WARRANTIES AND LIABILITIES WITH RESPECT TO THE INFORMATION AND USE THERE OF. Fusion Optix™ is a trademark exclusive to Fusion Optix, Inc. All rights reserved. Above is subject to change without notice from Fusion Optix, Inc.