

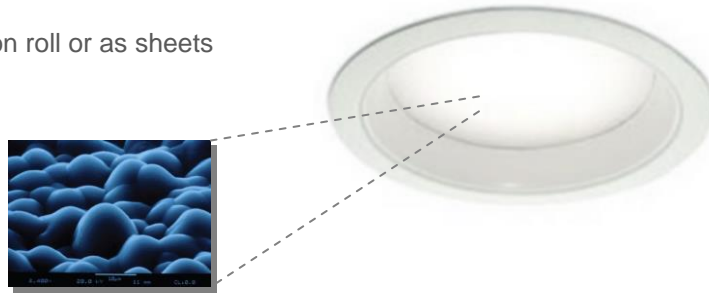


WhiteOptics® Micro-Diffusion Film

Diffusion Film Technical Data Sheet

Description: High transmittance circular diffuser film

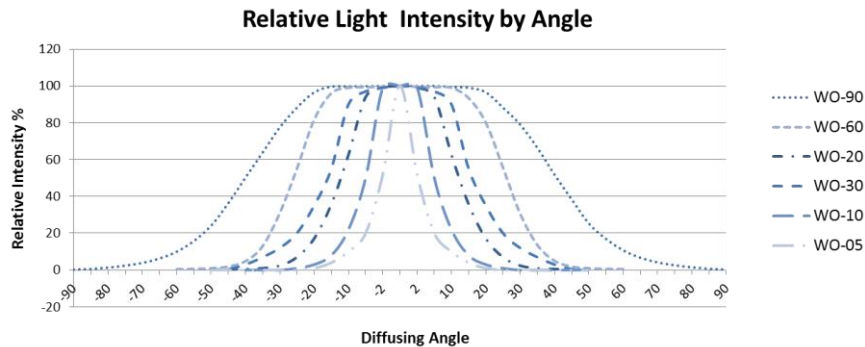
Options: Available on roll or as sheets



Micro lens structure for efficient light control

Product Code	Beam Angle (degree)	Optical Efficiency (with WhiteOptics Reflector*)±	Width
**WO-DF90-C	90 (full diffuse)	>93%	Up to 58" wide
**WO-DF60-C	60	>94%	Up to 48" wide
**WO-DF30-C	30	>95%	Up to 58" wide
* WO-DF20	20	>95%	Up to 24" wide
* WO-DF10	10	>95%	Up to 24" wide
* WO-DF05	5	>95%	Up to 24" wide

Achievable optical utilization for LED emitters in 2" deep optical cavity with WhiteOptics F16 White98® film placed on side and back walls and WhiteOptics Micro-Diffusion film used as lens. Results will vary depending on geometrical design and emitter type.



Specification			
Substrate	PET	Angular tolerance	+/-3%
Width	See table above	Pencil hardness	3H
Thickness	0.006" (152.4 µm)	Max temperature	185° F (85° C)

**Custom seamless available in products DF30C, DF60C, and DF90C; C indicates custom seamless version.

*Film rolls have a visible 1mm repeating seam every 24" (610mm) in roll direction for DF05, DF10, and DF20.



For more information, email: inquiries@whiteoptics.com

This information has been carefully compiled from experience gained in the laboratory and under commercial conditions. However, the product's performance and its suitability depends on the particular conditions of use. We recommend that customers satisfy themselves that each product meets their requirements in all respects. This information is being provided by WhiteOptics LLC free of charge as a courtesy to customers, and WhiteOptics LLC HEREBY DISCLAIMS ALL REPRESENTATIONS, WARRANTIES AND LIABILITIES WITH RESPECT TO THE INFORMATION AND USE THEREOF. WhiteOptics® is a trademark exclusive to WhiteOptics LLC. All rights reserved.