

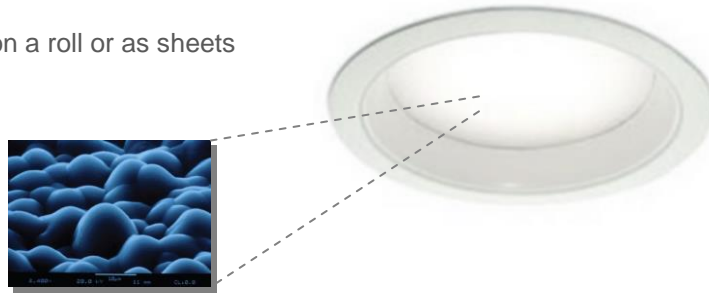


WhiteOptics™ Micro-Diffusion Film

Diffusion Film Technical Data Sheet

Description: High transmittance diffuser film with beam control

Options: Available on a roll or as sheets

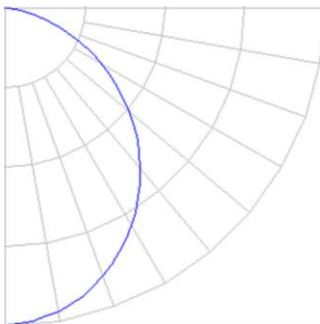


Micro lens structure for efficient light control

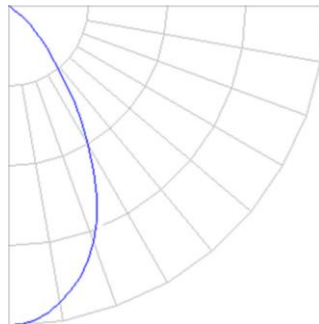
Product Code	Beam Angle (degree)	Optical Efficiency (with WhiteOptics Reflector*)
WO-DF90	90 (full diffuse)	>93%
WO-DF60	60	>94%
WO-DF30	30	>95%

* 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.

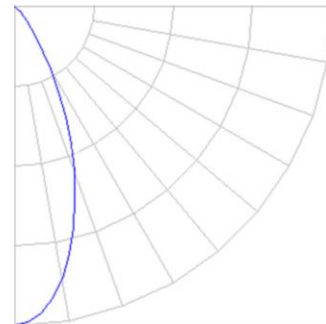
WO-DF90



WO-DF60



WO-DF30



Specification

Substrate	PET	Angular tolerance	+/-10%
Width	Up to 24" (610mm)**	Pencil hardness	3H
Thickness	0.002" (51µm) & 0.005" (127µm)	Max temperature	185° F (85° C)

** Film rolls have a visible 1mm repeating seam every 24" (610mm) in roll direction. Max seamless sheet size 24 x 24" (610 x 610mm)



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.