

## WhiteOptics Micro-Diffusion Film

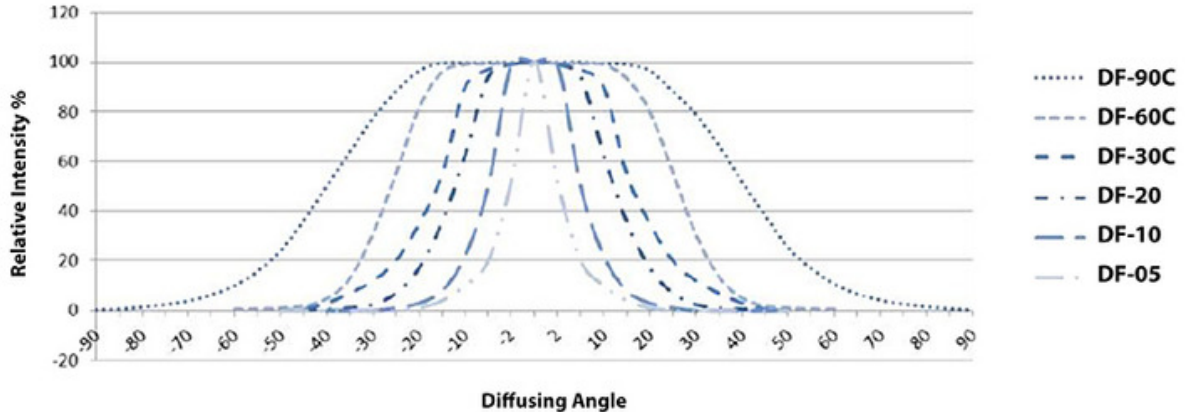
**Description:** High transmittance circular diffuser film

**Options:** Available in roll or pre-cut sheets . Also available Direct Cast™ onto rigid acrylic sheets, polycarbonate or glass.

Product Code	Beam Angle (degree)	Optical Efficiency*	Max Width
DF-90C	90 (full diffuse)	>93%	Up to 58" wide
DF-60C	60	>94%	Up to 48" wide
DF-30C	30	>95%	Up to 58" wide
DF-20	20	>95%	Up to 24" wide
DF-10	10	>95%	Up to 24" wide
DF-05	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.

Relative Light Intensity by Angle



### Specifications

<b>Substrate:</b>	PET	<b>Angular Tolerance:</b>	+/-3%
<b>Width:</b>	See table above	<b>Pencil Hardness:</b>	3H
<b>Thickness:</b>	0.005" (127µm)	<b>Max Temperature:</b>	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.



WhiteOptics LLC  
243-G Quigley Blvd.  
New Castle, DE 19720



[inquiries@whiteoptics.com](mailto:inquiries@whiteoptics.com)  
[whiteoptics.com](http://whiteoptics.com)



302-476-2055

