

DESCRIPTION

Micro-embossed, structured surface providing efficient light cut-off for angles above 60 degrees while increasing on-axis intensity.

APPLICATIONS

For glare reduction in direct-lit troffers, light guide panels and downlights. Works well alone or when combined with WhiteOptics DF micro-structured diffusion film and most diffuser materials to achieve less than 19 UGR (Unified Glare Rating).

OPTIONS

Available as film in customer-specified width shipped in rolls, or as pre-cut sheets direct-cast to rigid PMMA or PC. Custom die-cuts possible. Consult WhiteOptics representative or factory.

PATTERN FOR PERFORMANCE

Combine White Optics unique light shaping prismatic structures with custom layouts to achieve a personalized look while maintaining optical functionality and efficiency.

Note: Pattern photos shown are 5-10% enlargements of actual pattern size. Please contact WhiteOptics representative for more information.



WhiteOptics® Glare Reduction (DFGR)

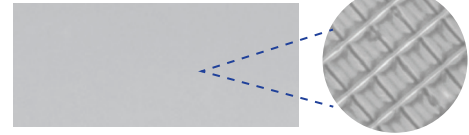
DFGR 1 (Pebbled Grid)



DFGR 2 (Faux Prismatic)



DFGR 3 (Diffuse Scatter)



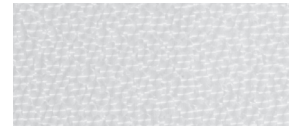
DFGR 4 (Diffuse Grains)



DFGR 6 (Micro Honeycomb)

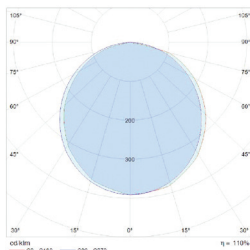


DFGR 7 (Classic Pebble)



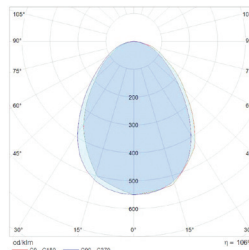
WhiteOptics DFGR provides effective Glare Reduction and LED diffusion in both Direct-Lit and Edge-Lit applications.

Before



Panel troffer with standard diffuser (light at high angles)

After



Same panel troffer with WhiteOptics DFGR (DLC 5.1 Premium UGR rating)

Series		Glare Reduction Pattern, Optical Efficiency	Film Thickness (inches/1000)	Material format	Dimensional Info	Special Designations	Unit of Measure for Roll Length			
DFGR	Glare Reduction Diffusing Film	1 Pebbled Grid (94-96%)	5 5 mil (0.005" / 0.127mm)	R Roll (length in feet determined by unit quantity ordered)	--- Width of roll (inches, 26.00" max width)	(blank) Standard film	LF Linear feet (roll only)			
		2 Faux Prismatic (92-95%)								
		3 Diffuse Scatter (92-96%)								
		4 Diffuse Grains (92-96%)								
		6 Micro Honeycomb (94-96%)						Note: If sheets are ordered, film is applied to 0.060" (1.524mm) clear PET substrate. Rigid acrylic available (consult factory)	---X--- Sheet size (inches, width x length)	Customer-defined specifications and designators (other sheet substrate, etc; consult factory)
		7 Classic Pebble (94-96%)						Note: If sheets are ordered, film is applied to 0.060" (1.524mm) clear PET substrate. Rigid acrylic available (consult factory)		

Example 1 (roll): Order quantity (200) of cat# DFGR 2 5 R 3.75 LF to receive a roll containing 200 linear feet of 3.75" wide DFGR pattern 2 material (5 mil thick)

Example 2 (sheet): Order quantity (200) of cat# DFGR 1 5 S 24.0X48.0 to receive 200 sheets of 24" x 48" DFGR pattern 1 material (5 mil thick film applied to 0.06" clear PET)