

Ordering Guide Frosted Lens

Type	
Project	
Date	

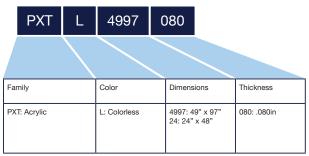
Frosted Lens for LED Diffusion

Description

This colorless frosted lens overlay provides optimal light management for LED applications requiring moderate diffusion characteristics. Engineered from high-clarity optical-grade plastic, the overlay achieves 92% light transmission efficiency while effectively softening and distributing light output.

The moderate diffusion level strikes an ideal balance between maintaining brightness and reducing hot spots or point-source glare from individual LEDs. With a 20-degree half angle, the overlay produces a controlled, uniform beam spread suitable for both accent lighting and general illumination applications.

Part Number Breakdown Example



Features and Benefits

- · Matte textured surface on 2 sides.
- · Light transmission consistent throughout full thickness
- Optomized for high light transmission while maintaining excellent diffusion
- Superior blending power to eliminate LED "hot-spots"





Applications

- · LED panel backlighting
- · Channel letter illumination
- · Display case lighting
- · Signage and architectural accent lighting
- · Fixture lens applications requiring glare reduction

Ordering Guide

Frosted Acryllic									
Nominal Size	Dimensions	Color	Light Transmission	Diffusion	Half Angle	Thickness*	Part Number		
49" x 97"	49" x 97"	Colorless	92%	Moderate	20	.080 in [2 mm]	PXT-L-4997-080		
24" x 48"	24" x 48"					.080 in [2 mm]	PXT-L-24-080		

*Note: Thickness Tolerance: +0/-0.010" on all SLP flat sheet