

PRODUCT OVERVIEW: White Reflective Films and Metals



whiteoptics® Reflective Films

Line fixture cavities or LED boards with >97% high diffuse reflectance films, with or without adhesive backing, to increase light output while diffusing LED images. Custom die-cutting or thermoforming available for design flexibility.

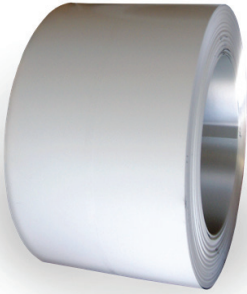
Product #	Total Thickness	Max Width	Description
F16-98	0.008" (0.20mm)	50" (1270mm)	98% High diffuse Reflector film
F16A-98	0.009" (0.23mm)	49" (1245mm)	98% High diffuse reflectance with adhesive and removable liner
F16T-98	0.012" (0.30mm)	46" (1168mm)	98% High diffuse reflectance optimized for thermoforming
F23-97	0.016" (0.40mm)	52" (1321mm)	97% High diffuse Reflector film
F23A-97	0.017" (0.53mm)	50" (1270mm)	97% High diffuse reflectance with adhesive and removable liner

ALL REFLECTANCE PRODUCTS:

- UV stable for most applications
- Continuous Thermal stability up to 100 °C
- Stable in humid environments
- Anti-static, Does not attract dust
- Abrasion resistant
- Chemically resistant with most common cleaning solutions including ammonia, 409, soap solutions; not compatible with bleach or caustic

UL File Numbers

- F16-98: E329013
- F23-97: E329013
- M16-98: E330754
- M17-96: E330754



whiteoptics[®] Metal

The WhiteOptics[®] high reflectance, high diffuse surface is available on steel or aluminum. Sold in slit coil, standard or custom sheet sizes, WhiteOptics Metal can be formed into structural reflectors and/or bodies for use in the most efficient luminaires.

Product #	Total Thickness	Substrate	Surface Type	Max Width
M16-98-A2	0.019" (0.48mm)	Aluminum	98% High Reflectance High Diffuse	48.5" (1232mm)
M16-98-A6	0.023" (0.58mm)	Aluminum		
M16-98-A9	0.037" (0.94mm)	Aluminum		
M16-98-F6	0.034" (0.86mm)	Steel		
M16-98-F8	0.024" (0.61mm)	Steel	96% High Reflectance High Diffuse	
M17-96-A2	0.016" (0.40mm)	Aluminum		
M17-96-A6	0.020" (0.50mm)	Aluminum		
M17-96-F6	0.030" (0.76mm)	Steel		
M17-96-F8	0.020" (0.50mm)	Steel	94% High Reflectance High Diffuse	
M18-94-A2	0.014" (0.36mm)	Aluminum		
M18-94-A6	0.018" (0.46mm)	Aluminum		
M18-94-F6	0.030" (0.76mm)	Steel		
M18-94-F8	0.022" (0.56mm)	Steel		

- **Die Cutting:** WhiteOptics[®] film can be laser and die-cut to for PCB reflectors, cavity liners, or any 2d designs.
- **WhiteOptics[®] Metal** is available in coils up to 48.5" (1232mm) width and can be supplied as custom slit coils or cut-to-length sheets. It is supplied with a removable protective film and can be formed in most metal forming processes including punching, press brake and die forming.



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