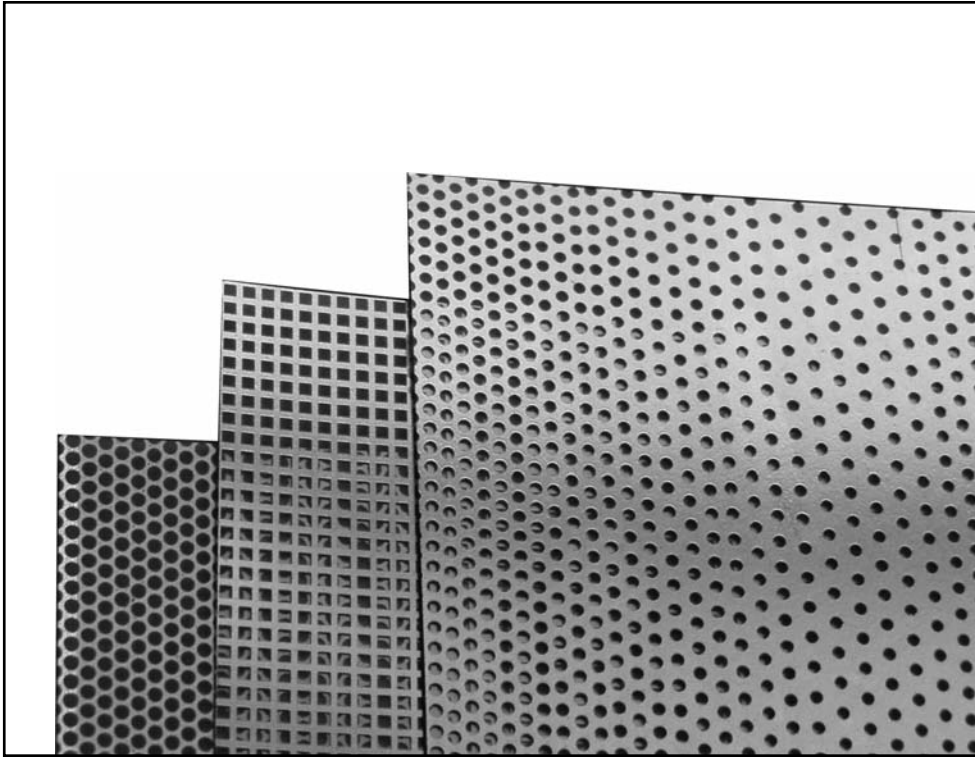
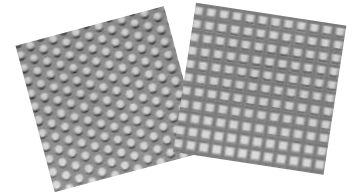


LIGHT CONTROL FILM



Light Control Film



Light Control Film

.020"-.118" Thick
96" Maximum Length
24" Maximum Width

POLYMERIC FILM FOR USE
IN LIGHTING PROFILES,
FORMING, DECORATIVE AND
SIGNAGE APPLICATIONS

Materials:
Bead and White Impact Modified Acrylic
Clear, Bead and White Acrylic
Clear and White Polycarbonate

U.S. Patent No. 5,967,648

Description

Lex-Efx Light Control Film® is an innovative polymeric film that directs light, by changing its appearance, distribution and uniformity. On the lamp side, it can have an aluminum dot or square specular patterned surface. The reflectivity of the aluminum surface is greater than 80% and offers excellent directional control. The varied dot patterns control the ratio of uplight-to-downlight, determine the downward distribution and provide primary lamp obscuration. Please see the 'Specifications' chart on the back page for our complete offering.

Application

Light Control Film is most effective in direct/indirect lighting applications, with T5 and T8 lamps. It is also useful for wall mounted light fixtures using compact fluorescent or incandescent lamps, where lamp obscuration and light diffusion is needed. For signage applications, we have a gradient pattern that can retrofit most box signs for an immediate uniformity improvement. Preliminary testing has shown a doubling of minimum light level, while uniformity was improved eightfold. Results in individual box signs will vary.

Lamp Data

Light Control Film is suitable for use up to 70°C with compact fluorescent, T-5 and T-8 lamps operating. When using HID lamps, the film's maximum temperature must not exceed 50°C. Thermal tests should be conducted on each luminaire design to confirm appropriate lamp size for the application.

Ordering Information

Please reference the back page of this catalog sheet for specifications, ordering information code, and material attributes. Call 877-257-5841 for price and delivery. Typical lead time is four to six weeks.

Service Life

The service life of acrylic Light Control Film is virtually unlimited when used within the recommended temperature limit.

Notice

A.L.P. Lighting Components, Inc. assumes no responsibility for suitability of luminaires and applications. The use of our molded products at excessive temperatures with high UV output light sources will cause degradation of the material.



A.L.P.
LIGHTING COMPONENTS, INC.
WEB SITE: WWW.ALPLIGHTING.COM

 **LEXALITE**

Light Control Film

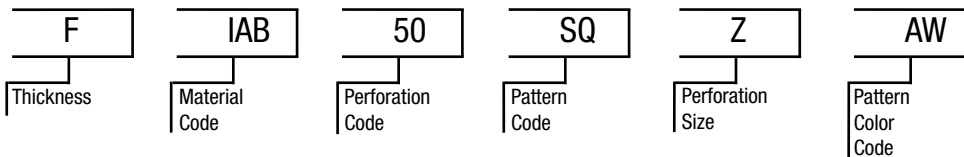
Specifications

Thickness	Thickness Code	Material	Material Colors	Material Code	% Perforation Area Available	Perforation Code	Pattern Available	Pattern Code	Perforation Size	Pattern Color Available	Pattern Color Code
0.020" (0.5mm) 0.040" (1mm)	F M	Modified Acrylic	Bead White	AL* IAC IAB IAW DC DW	0% 20% 40% 50% 60%	00 20 40 50 60 G1	no pattern round square	NA RD SQ G1	no perforation (0) .080" (2mm) (2)	no pattern aluminum/white white/white	NA AW WW
0.118" (3mm)	S	Acrylic	Clear Bead White	SAC SAB SAW							

Note: G1 is only available in 4.88" (124mm) wide repeating pattern. AL is only available in .020"

Ordering Information

In ordering Light Control Film from your Sales Territory Manager or customer service representative, please specify the following:



Material Attributes

Maximum temperature	70°C Max fluorescent lamps, 50°C Max HID lamps
Maximum width	24 inches (610mm)
Maximum length	96 feet (2438mm)
Available thicknesses	0.020" (0,5mm), 0.040" (1mm), 0.118" (3mm)
"S" thickness sheet size	24 inches x 100 inches (610mm x 2540mm)
Materials	Impact modified acrylic, acrylic without modifier and polycarbonate
Material colors	Clear, White
Cleaning	Use warm soapy water and a soft cloth. Do not use abrasive cleaners or solvent based cleaners
Cutting tolerances	0" to 25" +/- 0.025" 25" to 60" +/- 0.050" 60" to 96" +/- 0.060"

