General 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.

Ordering Information

Please reference the back page of this catalog sheet for specifications, ordering information code, and material attributes. Call 1.800.880.5483 for price and delivery. Typical lead time is four to six weeks.

Notice

Diffuser Specialist assumes no responsibility for suitability of luminaires and applications. The use of lenses near and above 70°C temperatures with high UV output light sources will cause degradation of the material.
# Specifications

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<tbody>
<tr>
<td>0.020” (0.5mm)</td>
<td>F</td>
<td>Modified Acrylic</td>
<td>White</td>
<td>IAW</td>
<td>20%</td>
<td>20</td>
<td>RD</td>
<td>0.080” (2mm) (Z)</td>
<td>aluminum/white</td>
<td>AW</td>
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<tr>
<td>0.080” (2mm)</td>
<td>R</td>
<td>Modified Acrylic</td>
<td>Clear</td>
<td>IAC</td>
<td>40%</td>
<td>40</td>
<td>SQ</td>
<td>white/white</td>
<td></td>
<td>WW</td>
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<tr>
<td>0.125” (3.175mm)</td>
<td>P</td>
<td>Modified Acrylic</td>
<td>Lumieo</td>
<td>IAL</td>
<td>50%</td>
<td>50</td>
<td>G1</td>
<td>white/white</td>
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<tr>
<td>0.118” (3mm)</td>
<td>S</td>
<td>Acrylic</td>
<td>Clear</td>
<td>SAC</td>
<td>60%</td>
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<td>White</td>
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Note: G1 (Gradient) is only available in 4.88” (124mm) wide repeating pattern. IAL (Lumieo) is available in .020”, .080” and 0.125 in white only.

# 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 inches (2438mm)
  - Available thicknesses: 0.020” (0.5mm), 0.080” (2mm), 0.118” (3mm), 0.125” (3.175mm)
  - “S” thickness sheet size: 24 inches x 96 inches (610mm x 2348mm)
  - Materials: Impact modified acrylic/acrylic without modifier and polycarbonate
  - Materials Colors: Clear, White, Lumieo
  - 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”