

shinkolite led diffusion sheet

(Backlit Applications)

Mitsubishi Rayon Co., Ltd.

PRODUCT INTRODUCTION

LED White Diffusion Sheet has been specifically formulated to give optimized color performance with both transmitted and reflected light using white LEDs. The excellent brightness and evenness of illumination of the LED White Diffusion Sheet allows sign makers and specifiers to develop backlit solutions that are slimmer, brighter and more cost-effective in operation than more traditional designs. Of course, other light sources can also be used e.g. fluorescent tubes.

Mitsubishi Rayon has developed several diffusion sheets specifically designed for backlit LED sign applications. Depending on the application customers may choose the most suitable product from the list below.

- L NE 14 – Suitable for most LED applications
- L NE 15 – Suitable for extra bright applications
- L NE 16 – Suitable for applications where higher color temperature is required

FEATURES & BENEFITS

In service, LED White Diffusion Sheets allow the development of backlit solutions that offer many potential benefits to customers:

- Uniform brightness, even with the light source close to the back of the diffusion panel.
- ADA Compliant (less than 2" deep)
- Optimum brightness and strength of color
- The hiding power of LED White Diffusion Sheet has been maximized to conceal the LED light sources and avoid "banding" or "hot spots" associated with some backlit systems
- The development of elegant slim backlit signage solutions
- Cost savings as fewer and lower energy LED light sources can be used
- Environmental benefits due to lower energy use and lower head output



All LED White diffusion Sheets are manufactured by Mitsubishi Rayon Company. The diffusion sheet will therefore retain the superior physical attributes and characteristics of MRC e.g. outstanding surface and weatherability.

APPLICATIONS

- Illuminated Poster Box
- Channel Letters
- Airport Signage
- Point of Purchase Displays
- Bus Shelter Advertising
- Way Finding Signage
- Interior Lighting
- Display Shelves
- Menu Board
- Trade Show Exhibits
- In-Floor Lighting

PRODUCT AVAILABILITY

Continuous Cast Acrylic Sheet
Standard sheet size 51" x 108.375"
Thickness .118
Color - Transparent
Cut Sheets and other additional specification information available upon request.

*For sales and information,
please contact Jane Nash
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