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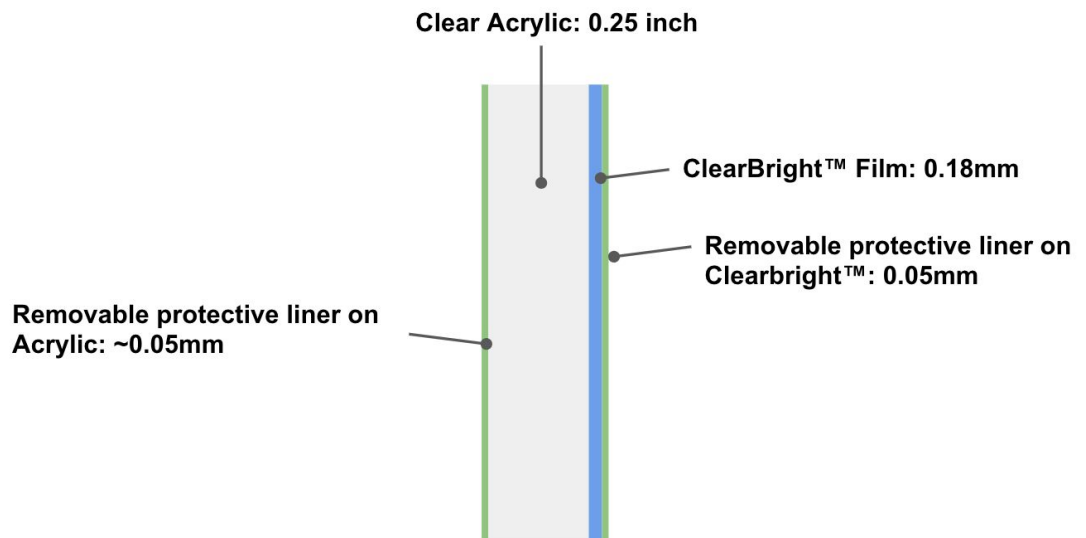
Display Screen - Start up Guide

General construction

Lux Labs ClearBright™ transparent projection film laminated onto one side of a clear acrylic panel. ClearBright™ is optimized for rear projection use with the viewer on the opposite side of the projector. Front projection use will display a decrease in brightness and clarity.

Clear Acrylic: 0.25 inch

ClearBright™ Film: 0.18mm

Removable protective liner on Clearbright™: 0.05mm

Removable protective liner on Acrylic: ~0.05mm

Set-up

Removal of protective layers: Screens come with protective layers on each side which should be removed before use. The non-transparent film on one side protects the plexi glass surface. On the other side with ClearBright™ there's a thin clear protective liner which should also be removed. CAUTION: Be sure to only remove the protective liner leaving ClearBright™ attached to the screen surface. The protective liner is very thin and should peel off with almost no force. If you're having trouble finding the protective liner use a piece of tape near an edge to help lift up a corner.

Using Lux Labs Screens

Window Display: Lux Labs screens can be used as an alternative to permanent installation of ClearBright™ on any preexisting window. Simply stick the screen to any window using clear tape or double sided sticky back tabs. The orientation of the screen relative to the window does not make a big difference although we recommend using any tape or sticky back tabs on the acrylic side to ensure the ClearBright™ film doesn't peel off.

Alternative Use - Stand Alone Display: Lux Labs screens can be used as stand alone displays. We do not recommend any specific products for holding or hanging the screen but many commercially available wire hanging kits or sign holders will be sufficient. We recommend checking a products weight specifications against those of your screen to ensure compatibility.

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Projector Positioning

We recommend positioning the projector at an angle to avoid a "hot spot" where the direct light beam hits the eyes of the viewer. We also recommend positioning so excess light is dissipated in the largest space possible. For example, if using as a window display you might consider positioning the projector low and at an upward angle onto the screen so excess light passing through is dissipated into the atmosphere. Refer to the FAQ section on our website for tips on projector use: https://luxlabsdisplays.com/faq. We recommend a projector with at least 3500 ANSI lumens for lights on indoor use and at least 1000 ANSI lumens for use in a dark room or on windows at night.

Care and Cleaning

ClearBright™ film and screen can be cleaned with any mild off the shelf cleaning solution such as windex or soap and water. Be sure your paper towels and rags are clean and free of debris that could scratch the surface. When transporting, we recommend protecting the edges as they can chip if dropped on a hard surface. While storing, we recommend wrapping the screen with bubble wrap, cardboard, or paper to prevent scratching of the surface.

Projection Content Tips

We recommend using content set to a black background to create the eye catching floating on glass effect. For more details check out our blog post on the topic: https://luxlabsdisplays.com/blog-1/2020/1/13/how-to-best-content-for-transparent-projection-screens

Questions and Comments

Don't hesitate to contact us directly at team@luxlabs.co. We appreciate any and all feedback!