# Light Design

Our team of illumination experts have years of experience working with translucent resin panels to create striking lighting features. Our systems are designed to meet the unique challenges of lighting Luxface materials. Talk to us before you light your installation – we can save you time, trouble, and money.
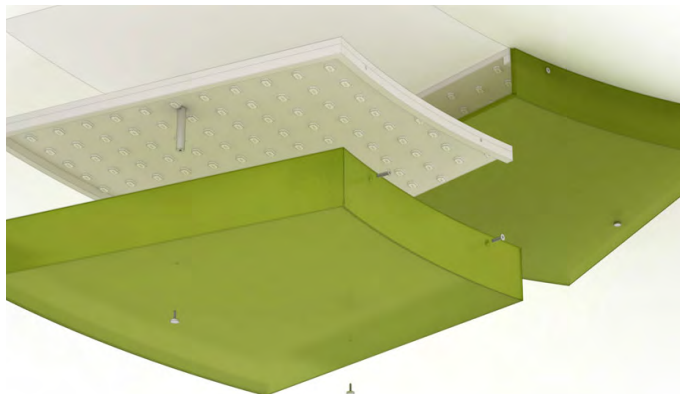
## Lighting Components

Different applications require different lighting hardware for optimal performance. Luxface offers a number of proprietary lighting components including LT Series, MP Series, HP Series, and XP Series LEDs; as well as T4 Fluorescents.

## Lighting Techniques

From back lighting, to front lighting, edge lighting, and even grazing – our lighting experts understand the optimal lighting techniques for the material, gauge, finish, interlayers, and application conditions.

## Lighting Applications

Take the guesswork out of specifying lighting features with a variety of Ready to Go solutions that come complete with the right lighting already in place.
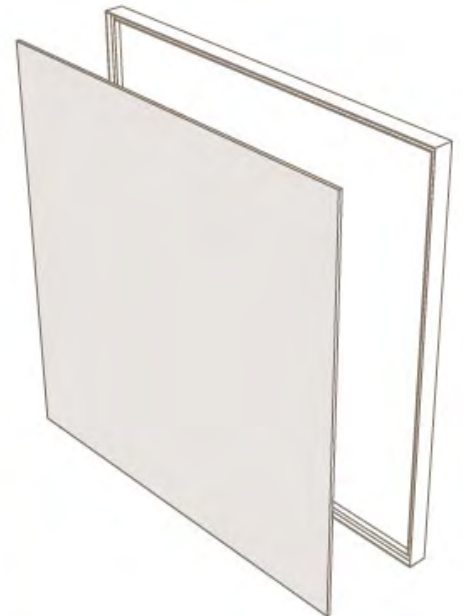
# Specification

## Solution documents

### Technical Documents

The solution documents below provide specification details of lighting components utilized by Luxface's expert team.

> Lightbox Solution Document / Solution Manual

> 3fit Series Direct Backlighting Solution Document

> 3flex Series Edge Lighting Solution Document

> Focal Series Indirect Lighting Solution Document

> Vivid Series Indirect Lighting Solution Document

## Lighting applications

### Luxform Lightbox



The aluminum framed LED Lightbox is composed of a single square Luxform panel inside a slim and attractive aluminum frame. Simple luminescent beauty.
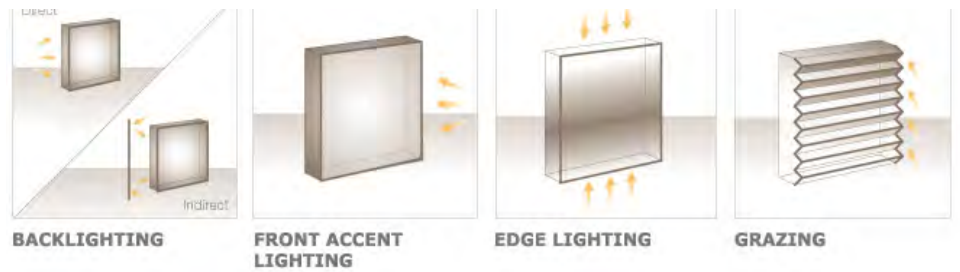
## Luxtone Lightbox



The Luxtone Lightbox makes use of all five non-wall-facing sides of the Lightbox, creating a structure out of one square Luxtone panel and four strips for the sides. This allows glowing light to escape in all directions for a stunning effect.

# Lighting techniques

## Techniques



**BACKLIGHTING**   **FRONT ACCENT LIGHTING**   **EDGE LIGHTING**   **GRAZING**

Depending on the material, different lighting techniques will need to be applied. Indirect backlighting is the preferred technique as it allows for maximum illumination without showing the light source. This technique requires more space and therefore should influence the overall design of your application.

## Material Properties



**MATERIAL FORM & SHAPE**
FLAT TO CONTOURED; ORGANIC COMPLEX CURVES TO STRUCTURED LINE BENDS

Light will travel within these shapes creating relational patterns of light and shadow.

**COLORED LIGHT**
RED, GREEN AND BLUE LIGHTS

Match the light color to the material color to achieve a rich effect. Combine hues for new colors.

**MATERIAL OPACITY**
TRANSLUCENT TO OPAQUE

Light remains captured within more opaque material, creating a richer effect.

**MATERIAL GAUGE**
THIN TO THICK

The thicker the gauge, the brighter the material will appear.

**VARIA ECORESIN INTERLAYERS**
FABRIC, FILM, OBJECT, ORGANIC

The more texture the brighter the material surface.

**FINISH**
PATENT, PATINA, SANDSTONE, OR EMBOSSED

The more texture the brighter the material surface.