

PLEXIGLAS® EndLighten

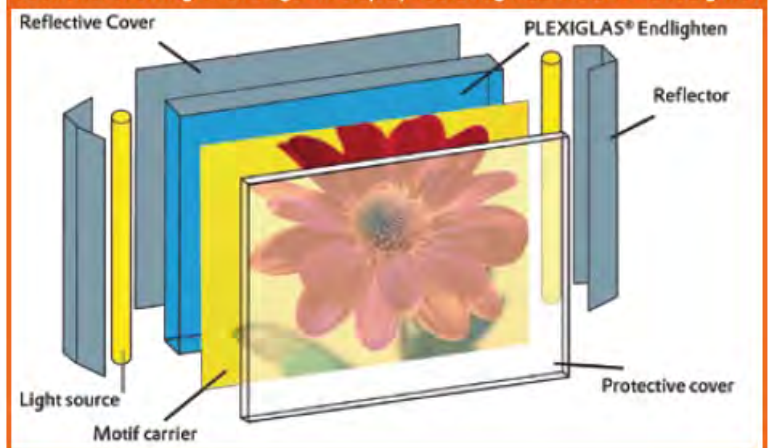
PLEXIGLAS® EndLighten is a transparent, light-diffusing acrylic (PMMA) specially designed for edge-lit applications. Formulated with special colorless diffuser particles, PLEXIGLAS® EndLighten sheets transmit light through their edges and redirect it to the surface. This provides bright and extremely uniform illumination, even in up to 2 m panel size.

PLEXIGLAS® EndLighten makes it possible to construct particularly flat, single or double-sided, uniformly bright displays, light boxes, and much more. This technology eliminates the need for deep backlit sign cabinets. Now, fluorescent lamps can be installed in the sides, allowing elegant and ultraslim panels. Flexible and modern designs can also be achieved with LEDs, adding their benefits of long service life, multiple colors and low maintenance costs to your application.

Enables the construction of extremely slim, compact luminous panels with high light output.

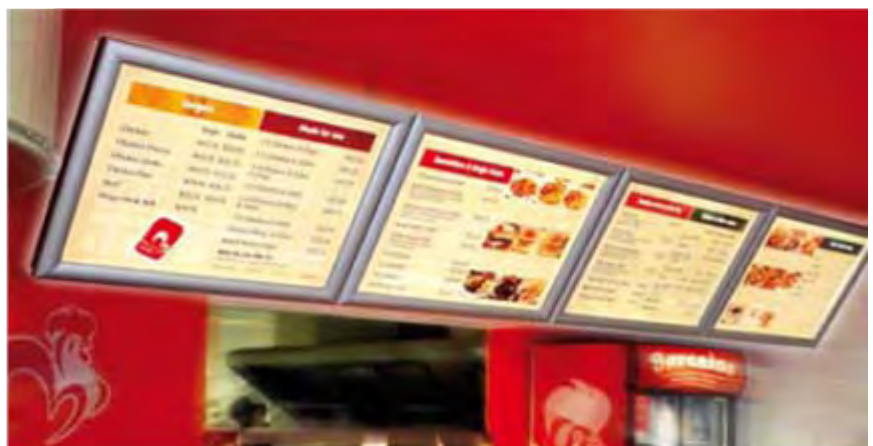


Sectional drawing of an edge-lit display featuring PLEXIGLAS® EndLighten



- The lit edges of PLEXIGLAS® EndLighten sheet should be polished in order to achieve a smooth surface for enhanced light entry.
- The use of reflectors at the edges will help to guide the light towards the sheet without it being wasted.
- Edges that are not lit should be covered with a reflective adhesive tape to prevent light leaving the sheet unused.
- Luminous displays can be installed with one or two radiant surfaces. If only one side is intended to emit light, a highly reflective cover should be provided on the back.
- The information carrier (poster) should not be glued or laminated to the PLEXIGLAS® EndLighten surface.

PLEXIGLAS® EndLighten sheet is provided in three grades depending on the size of the panel to be illuminated: L, XL and XXL. Please refer to the table at the end of this brochure for the recommended lamp spacing for each type.



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