

# *PLEXIGLAS® LED - Leading with innovation in signage & lighting...*



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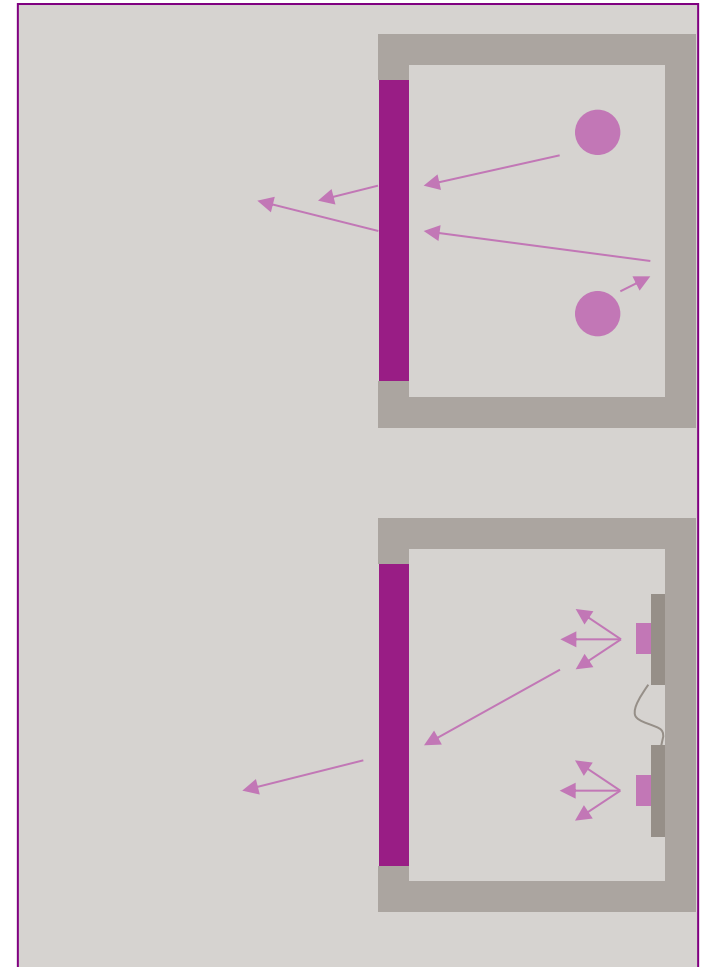
# PLEXIGLAS® LED

## Back illumination (truLED)....

Signage

Channel /  
Fabricated letters

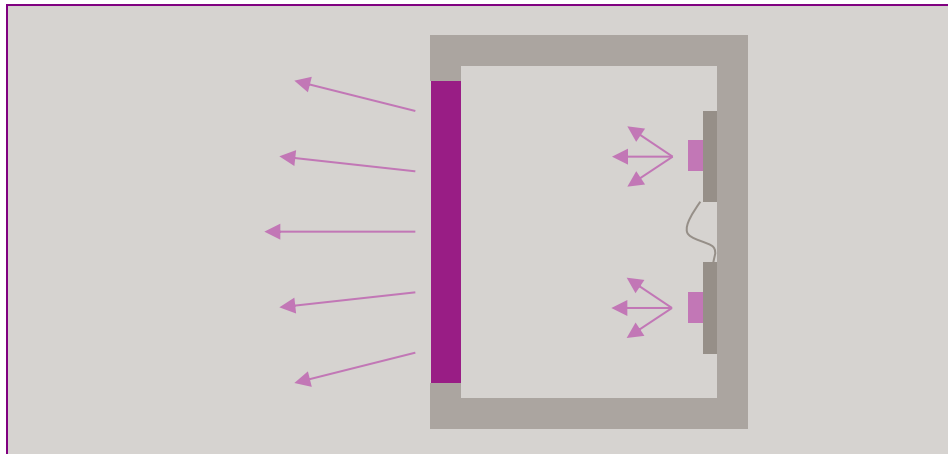
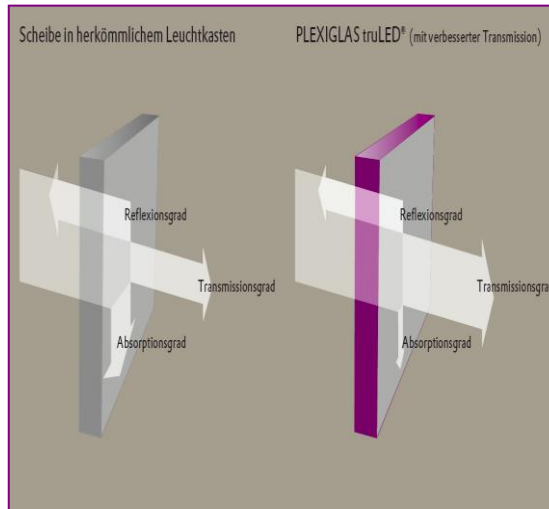
Light boxes



# PLEXIGLAS® LED - (WH14 & WH72)

## Improved light scattering....

Improved  
light scattering

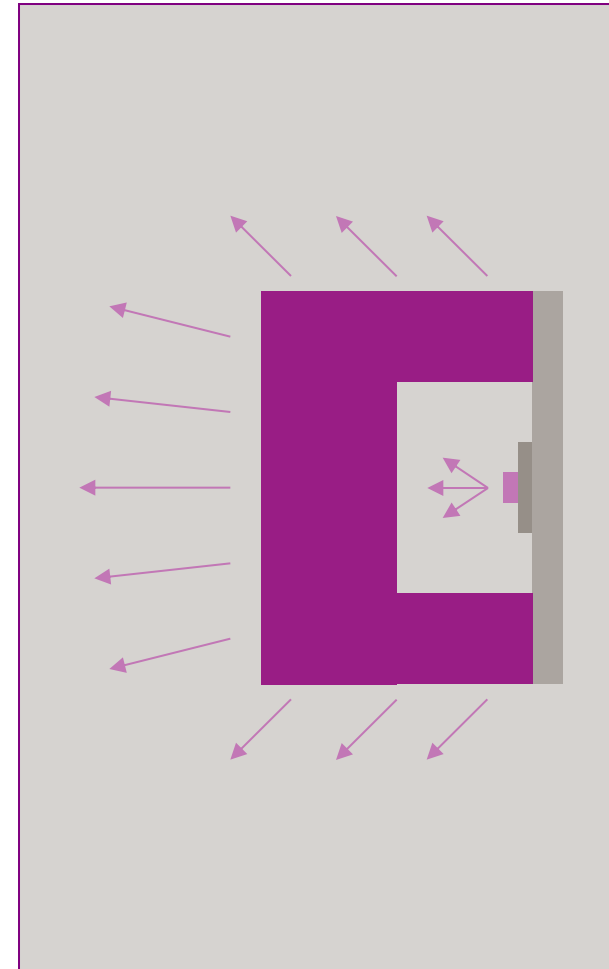


- **PLEXIGLAS® LED : back lighting**
- ✓ Main colour - **WH14** translucent White/Opal.
- ✓ 2<sup>nd</sup> colour - **WH72** translucent White/Opal (Day/Night colour)
- ✓ Colour within the **PLEXIGLAS®** is a colour match to the colour of the light being emitted by the LED.
- ✓ The wavelength of light matches the pigments within the **PLEXIGLAS®**.
- ✓ No reflection back, no remission, just optimum transmission.
- ✓ Light scattering raw material, creating considerably higher levels of external illumination characteristics within the **PLEXIGLAS®**.
- ✓ Energy efficient, requiring less quantity of LED's & less power consumption.

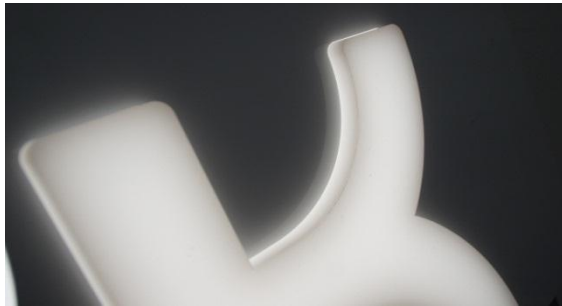
# PLEXIGLAS® LED (WM51) Back lighting - Routing block letters with optimum success

Signage

Small Fabricated /  
Channel letters



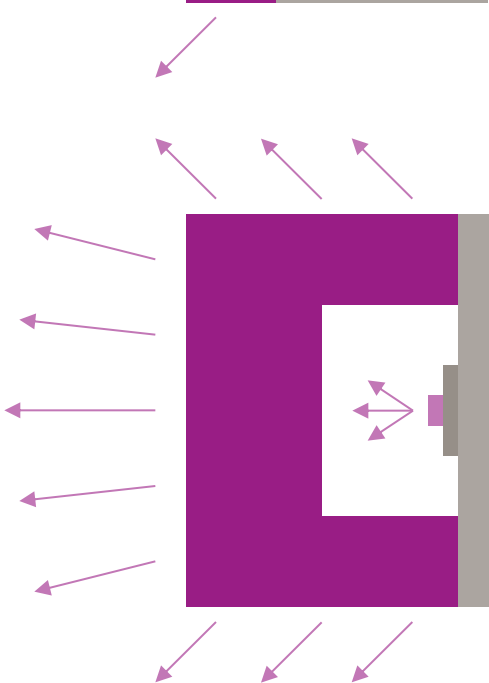
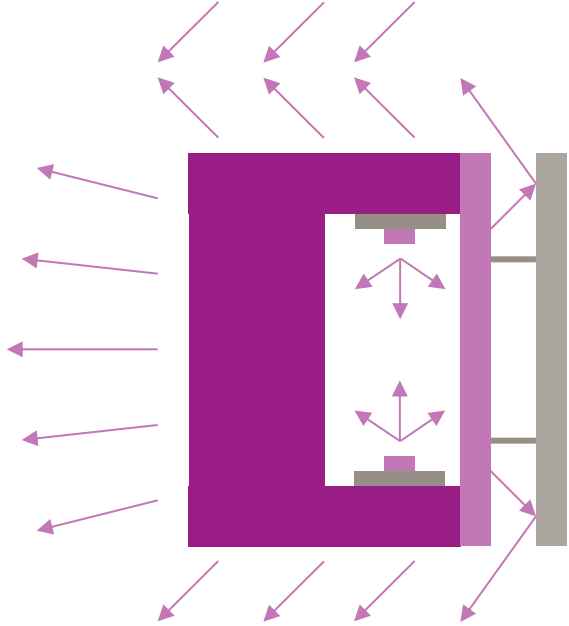
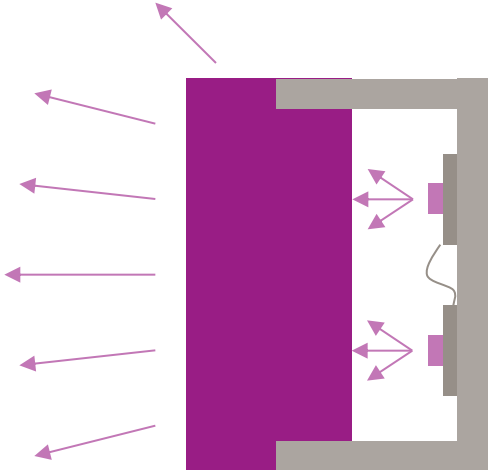
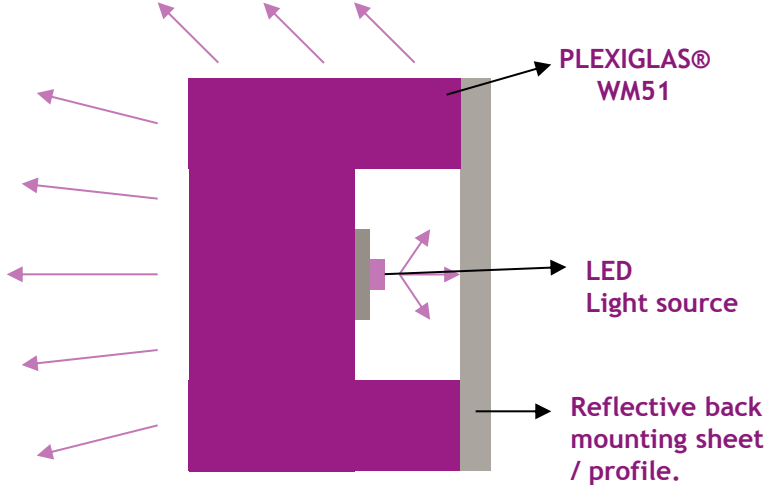
# PLEXIGLAS® LED (WM51) Back lighting - Benefits are numerous....



- **PLEXIGLAS® LED WM51 / WH51** - Back lite block letters
- ✓ Main colour - **WM51** translucent White/Opal.
- ✓ 2<sup>nd</sup> colour - **WH51** translucent White/Opal (Day/Night colour)
- ✓ Colour within the **PLEXIGLAS®** is a colour match to the colour of the light being emitted by the LED.
- ✓ The wavelength of light matches the pigments within the **PLEXIGLAS®**.
- ✓ No reflection back, no remission, just optimum transmission.
- ✓ Light scattering raw material, creating considerably higher levels of external illumination characteristics within the **PLEXIGLAS®**.
- ✓ No need to completely router the letters to a hollow cavity. Just a single recess to house the required LED's.
- ✓ Energy efficient, requiring less quantity of LED's & less power consumption.
- ✓ Available currently from 12.0 - 40.0mm.

# PLEXIGLAS® (WM51) LED block letters

Installation is easy...





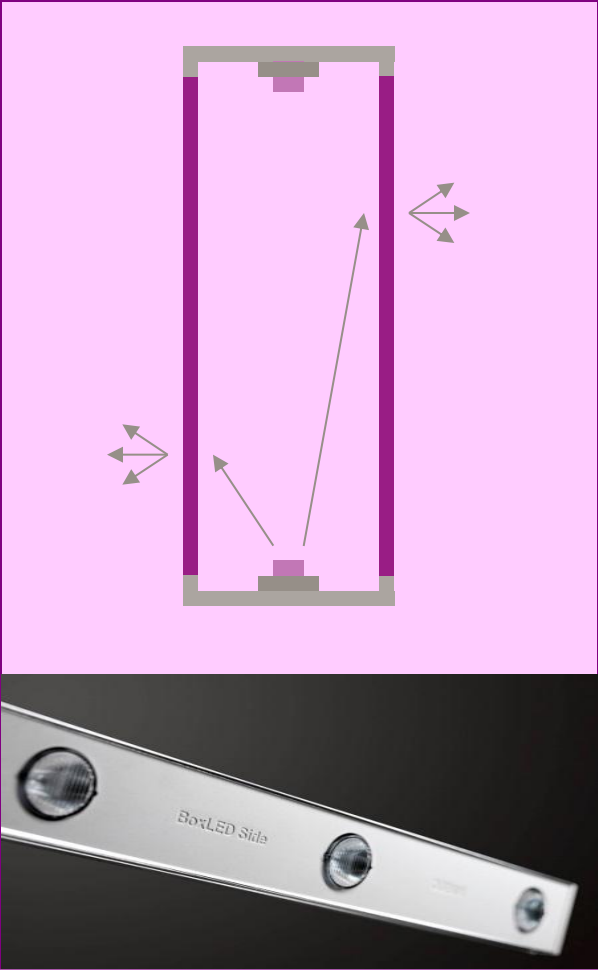
# PLEXIGLAS® LED (WH46SC): Side Illumination Posters become brighter...



Signage

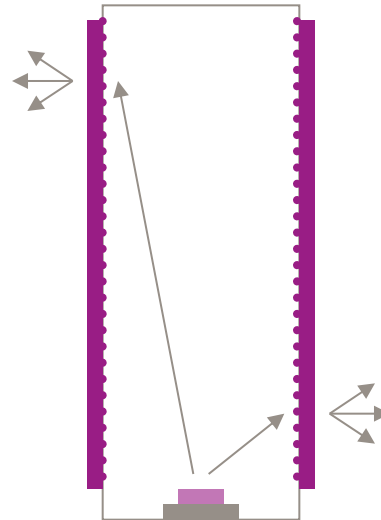
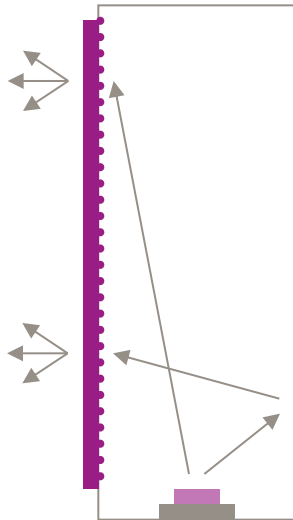
Illuminated Advertisement

Illuminated Poster



# PLEXIGLAS® LED WH46SC

## A change in direction....



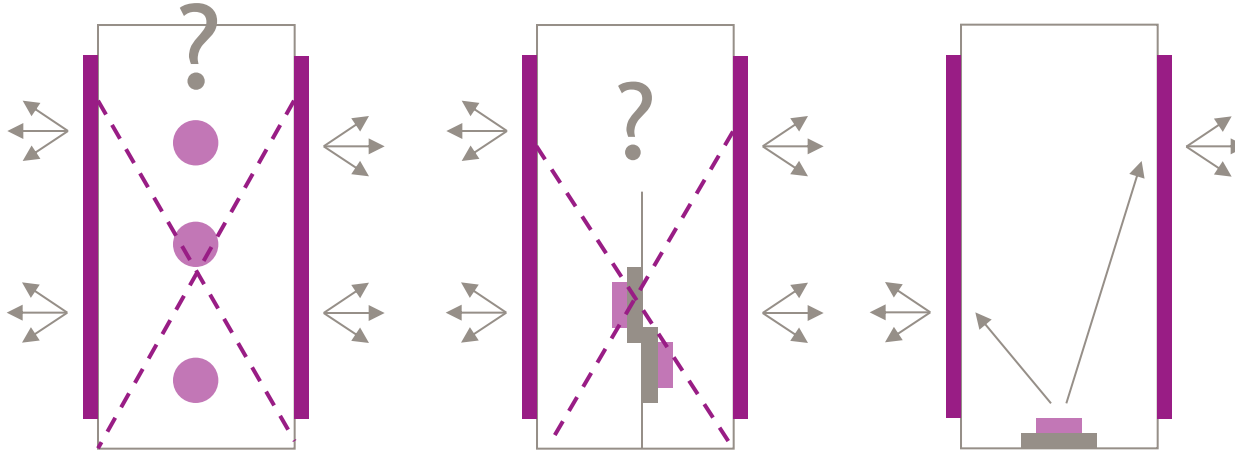
### PLEXIGLAS® LED WH46SC: Side lighting

- ✓ 30-40% additional light.
- ✓ Improved homogenous appearance.
- ✓ Easy to manufacture slim line boxes.
- ✓ The wavelength of light matches the pigments within the PLEXIGLAS®.
- ✓ Satin surface on one side to diffuse the light. (Satin internal)
- ✓ No reflection back, no remission, just optimum transmission.
- ✓ Light scattering raw material, creating considerably higher levels of external illumination characteristics within the PLEXIGLAS®.
- ✓ Energy efficient, requiring less quantity of LED's & less power consumption.
- ✓ Available currently from 3.0 & 5.0mm.



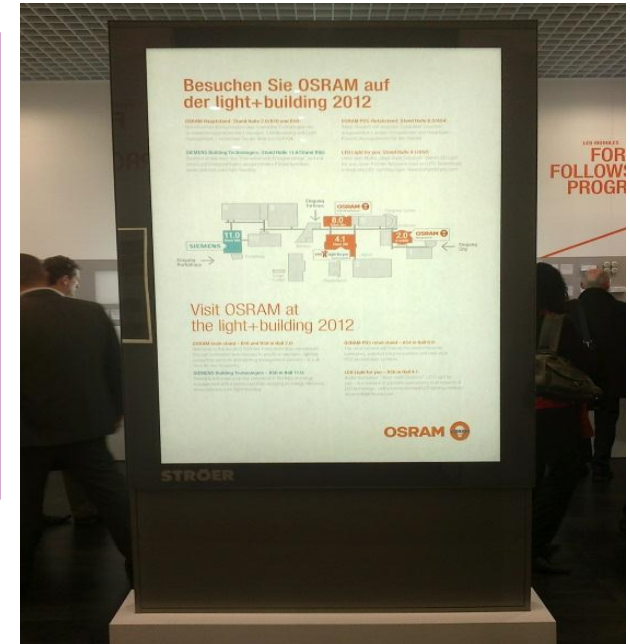
# PLEXIGLAS® LED (WH46SC) - Side lighting

## A new image in advertising



## PLEXIGLAS® LED WH46 SC Side Lighting

1. 30-40% additional light
2. Improved homogeneity
3. Patent pending...



# PLEXIGLAS® LED - Edge lighting: A further development in illumination....



- PLEXIGLAS® LED (Edge light) is designed for edge illumination, creating a slim-line light diffusing, illuminated panel.
- PLEXIGLAS® LED (Edge light) is a clear, (91% light transmission) transparent extruded acrylic sheet.
- PLEXIGLAS® LED (Edge light) can be used for poster/signage illumination or transparent lighting illumination.
- PLEXIGLAS® LED (Edge light) is stocked in a 4.0mm, 6.0mm, 8.0mm & 10mm thickness, but available in numerous grades & thicknesses.
- PLEXIGLAS® LED (Edge light) contains colourless diffuser particles that spread the light, concentrating the light on the surface.

## Advantages:

- Eliminates large light box construction for back illumination.
- No need for surface treatment to create the effect.
- Low maintenance, working with LED light sources.
- Break resistant, readily available.
- Can be cut, drilled, machined, polished and glued.

## Applications:

Signage, transparent partitions, machine components, feature walls, lighting, shelves, displays etc.

# PLEXIGLAS® LED: Further progression in time with technology....



- ✓ For different light distance's there are applicable grades available in PLEXIGLAS® LED (Edge light).
- ✓ XT (Extruded) or alternatively GS (Cast) production is also available in the required grades.
- ✓ Hard coated PLEXIGLAS® LED HC (scratch resistant) one side is also available.



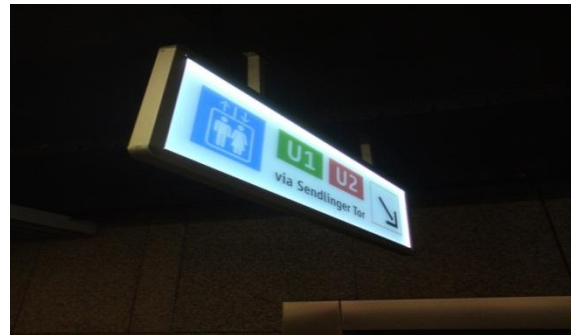
PLEXIGLAS® LED	Thickness mm	Suggested light source distance for double sided light installation
Standard size		
0E010 SM	4.0mm	Up to 300.0mm
0E011 - L	4,6,8 & 10.0mm	300 - 600 mm
0E012 - XL	4,6,8 & 10.0mm	600 - 1200 mm
0E013 - XXL	8 & 10mm	1200 - 2000 mm



# PLEXIGLAS® LED edge lighting: Slim line modern signage & displays...

## PLEXIGLAS® LED (Edge light) - leading with technology

1. non transparent illuminated signage application's.
2. slim line
3. bright
4. energy efficient...





# PLEXIGLAS® LED (dual colour) - Changing the face of signage...



- PLEXIGLAS® LED (dual colour) has a changing appearance when illuminated. Original colour, non illuminated and this changes to “white/opal”, when illuminated.
- PLEXIGLAS® LED (dual colour) (7H25 / 9H04SC) Black White is stocked in 3.0mm.
- Available in Black White, Grey White & Blue White.
- PLEXIGLAS® LED (dual colour) is a cast acrylic that can be cut, drilled, machined, bent, thermo formed & glued.
- The main principle colour is actually translucent. This diffuses natural light and maintains its primary colour appearance, but when illuminated, it transmits the colour wavelength of the artificial light.

## Advantages:

- Two appearances in one panel, creates eye catching attention.
- Hidden information is visible when the light source is illuminated.
- Assists with possible sign pollution.
- Cast acrylic that can be easily fabricated.
- 10 year manufacturers UV degradation guarantee.

## Applications:

Signage, POP displays, exhibitions, lighting features etc.

*PLEXIGLAS® LED (dual colour)  
A little bit of Magic....*

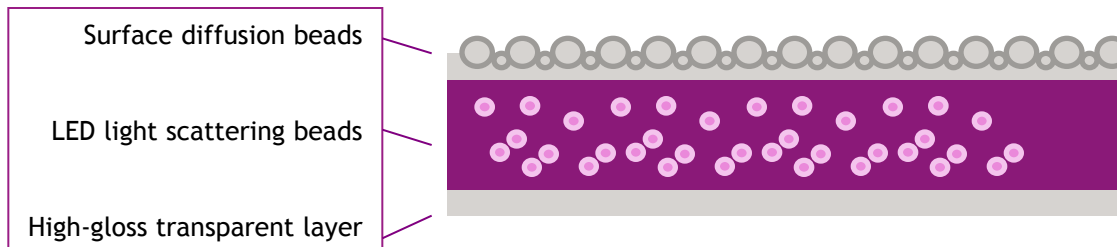




# PLEXIGLAS® LED 0M200 SC

*A new dimension to lighting & diffusion...*

- ✓ Very high light transmission combined with strong light diffusion.
- ✓ If the satin surface is installed facing outwards, the satin effect diffuses the light transmission.
- ✓ The satin surface can be thermoformed with no reduction in the satin effect.
- ✓ Installing the high-gloss surface externally creates a modern gloss appearance.
- ✓ The micro bead technology provides specific, efficient light diffusion.





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