

VORAX. LIGHT BOX WITH TRANSLUCENT MEMBRANE



Vorax Stretch Ceiling System membrane offers a fantastic opportunity to create clean-and-cool or loud-and-colourful lighting effects using our translucent material for light diffusion, backlighting, and front or rear projection.

Our translucent stretch ceiling system transform an ordinary ceiling into a spectacular light display. Utilizing the full width and length of the ceiling, the led light box systems are incorporated into the stretch ceiling to create a functional and visually stunning lighting display. The stretch ceiling can also be printed with a choice of designs to enhance the room further.

Thanks to the various colours and degrees of translucidity of the sheet, the light can be diffuse, lives, coloured or natural.

Our translucent membranes give the possibility to create striking atmospheres using either natural light sources, for example with the case of a skylight, or even artificial light sources with controllable colour effects.

The membranes are translucent, not transparent. These membranes will let the light itself go through while hiding its source.



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Using anything from fluorescent lamps to white or colourful LED lights, efficient and decorative lighting will be achieved by changing light intensity, colours, sequences and timing.

However, you must know that installing translucent membrane requires following strict rules in order to obtain smooth lighting. The height/spacing ratio is very, very important. It's actually important to keep at least a distance of 60-400mm between the light sources and the membrane so that the lighting will be smooth. Also there another option, for the limited spaces, is to place LED strip lights around the light box perimeter.



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Even though installing our translucent stretch system costs the same as installing a standard one, the cost of lighting can turn out high if the space between the light source and the membrane is too small since the light sources will have to be multiplied in order to get a smooth effect, therefore raising the cost in lighting. To learn about the calculations to define the distance between the translucent membrane and the light sources above it, see the following information sheet:

N	Distance between membrane and light fittings.mm	Distance between LED light strips.mm		
		60 LED per Meter 864 lumens/meter Power consumption 6 Amps, 14.4 watts 60 lumens per watt		
1	200 mm	Every 120 mm (optimal)		
2	150 mm	Every 120mm (Shadow will slightly appears. Good for the photo print)	Every 90 mm (optimal)	
3	120 mm	Every 50 mm (optimal)		
4	100 mm	Every 60 mm (Shadow will slightly appears. Good for the photo print)	Every 40 mm (optimal)	
5	70 mm	<u>Double membrane + every 60 mm</u>	<u>Every 30 mm (optimal)</u>	
6	50 mm	Every 30 mm (Good for the photo print)	Every 20 mm (optimal)	

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The led light box systems can also be used to provide light to specific areas, such as work desks or counters for a functional and ergonomic lighting solution which promotes concentration and fatigue-proof working.

Discover a new feeling of light naturally flowing in your space through a well-designed light ceiling or wall. Your eyes will be less strained with no shadows cast by the daylight simulating lights in your home or workspace.

Lights, sprinklers, vents and motion detectors can easily be integrated with any of our ceilings. Most translucent ceilings are flat; however, we can easily create 3D shapes to suit your projects individuality.



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Light boxes with translucent stretch membrane can be installed as single layer or double layer for better light diffusion. In addition, a second layer will serve as a dust/particle barrier (usually clear membrane installed over the main membrane into the double profile)

