Advice Notes & LED LITESHEET guidance

Fixing Methods/Adhesive
DO NOT apply adhesive to the backing vinyl and rely solely on this method for fixing. This can cause damage to the panel and pose a health and safety risk.

The panel MUST be fully supported. If you are unsure of how to fix panels do not hesitate to contact your Display Lighting advisor.

Graphics/Adhesive
DO NOT apply a self-adhesive vinyl / graphic directly to the surface of the light guide acrylic plate. This will refract the light resulting in a patchy and uneven finish.
DO NOT cover the heat sink on the reverse with any glue, tape, silicone or vinyl, this will stop the heat sink functioning resulting in damage to the LEDs.

Etched grid matrix
You can disguise this with a diffusing material such as 3mm thick opal acrylic or other translucent materials.

Spotting
To disguise the concentrated light spotting where LEDs are embedded in the panel, cover the initial 15 - 25mm with a frame. Alternatively, leave a suitable gap between the panel and the material you are illuminating; this distance can vary; if you wish to test the diffusing capabilities we have sample boxes available for purchase.

Multiple panels
When you have an area of LED LITESHEET in 2 or more sections there will be a seam where the panels butt up to one another. You may also have LEDs along the joining edges which would result in more spotting. To resolve this issue, leave a suitable gap between the panel and your diffuser to allow the light to evenly distribute and disguise this visible seam and hot spots.

Drilling through the panels
DO NOT drill too close to the edges where the LEDs are located as you will damage them.
We can provide the panels with fixing holes, this must be specified prior to order. Drilling the panels yourself will void the warranty and possibly cause acrylic particles to get in between the backing and acrylic which will be visible.
If panels are supplied with fixing holes, these and the screw heads once fixed will be visible. To resolve this, leave a suitable gap between the panel and your diffuser.

Controllers and dimmers
These are not IP rated and must be located in an indoor location or within an IP rated enclosure. Prices for enclosures available on request.

Maximum single sheet size
Max sheet size is 3.0m x 1.5m with white LEDs (8mm thick). There is a tolerance of +0 and -1 – 2mm meaning the sheets are never bigger than 1.5 x 3.0m but are usually 1 – 2mm smaller along one side.

Large panels
LED LITESHEET with a surface area of over 1.5m^2 will be supplied with 2mm thick white Dibond backing increasing panel depth by 2-3mm overall.