

Backlit Array

Evenly-spaced LEDs mounted onto rigid, reflective, lightweight panels, providing bright, even and efficient illumination.



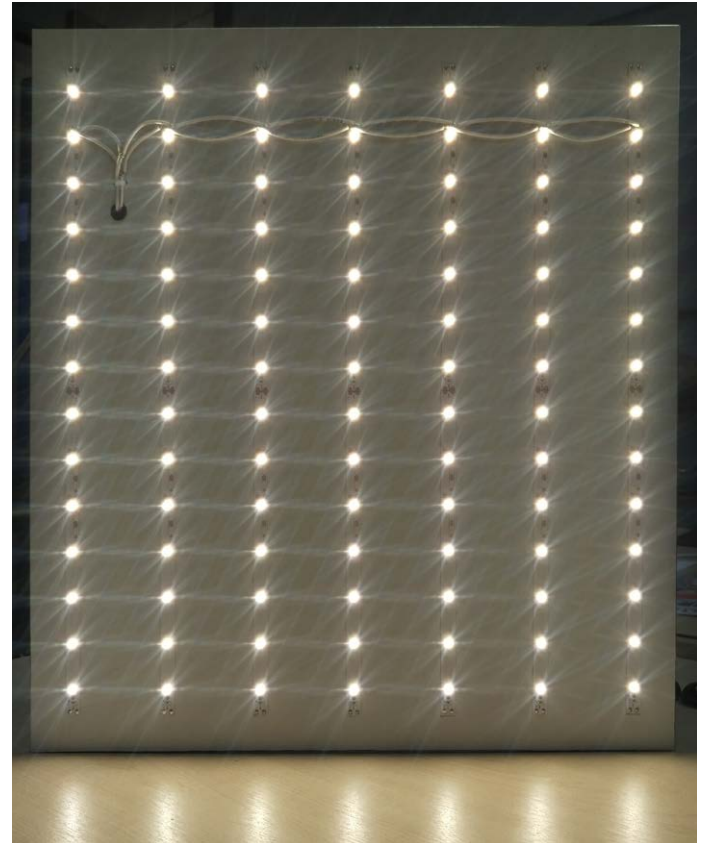
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MAKING LIGHT WORK

LED Backlit Array

An LED backlit array consists of strips of LED, evenly spaced and mounted onto rigid reflective panels such as 3mm white aluminium composite or 2mm white aluminium sheet. These panels are then positioned behind whichever material is being backlit. Each LED is very bright, so a backlit array can typically produce a greater overall brightness than an LED lightsheet – and is also slightly more efficient – although greater depth is required behind the ‘seen surface’ in order to deliver a uniform light distribution. For applications with between 100-250mm available, an LED backlit array should be specified.

An LED backlit array panel is lighter than a corresponding-sized LED lightsheet, and has fewer restrictions on shape and size. This makes them suitable for applications such as large format stretch-fabric ceilings, where weight needs to be considered. And for panel requirements over 3050 x 2030mm, or for odd-shapes, a back-lit array may be preferable.

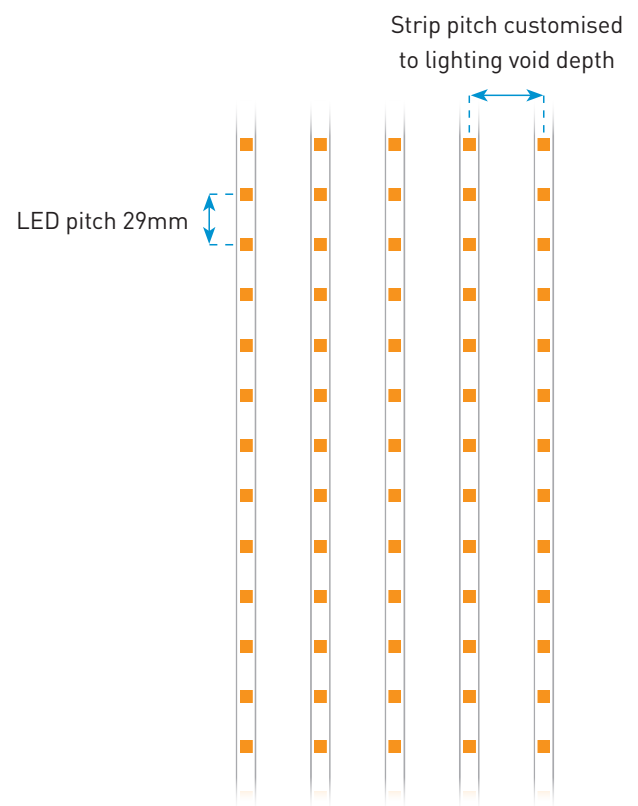
- ✓ Bright, lightweight and very efficient illumination
- ✓ Emergency lighting compatible
- ✓ Dynamic white and RGBW colour-change options
- ✓ Not restricted to regular shapes
- ✓ Perfect for stretch-fabric ceiling panels
- ✓ Suitable for very large panels



Panel specifications / options

| | |
|--------------|-----------------------------------|
| LED type | OSRAM DURIS E5 |
| Colour temp | 2700K, 3000K, 4000K, 5700K, RGBW* |
| CRI | 85 typ |
| LED driver | 1-10, DALI, EM maintained |
| Cable | 3000mm standard |
| Thickness | 5mm typical |
| Maximum size | 3000 x 1500mm single panel |
| Voltage | 24V |
| Wattage | 4.8W typ (8W/m option) |
| Efficiency | 140 lm/watt (3000K) |
| IP | for indoor use |
| Lifetime | 50,000+ hours |
| Warranty | 2 year/ 5 year optional |

* others on request



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