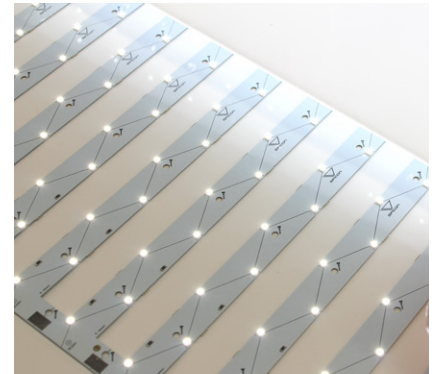# Datasheet

Linear Matrix LED Backlit Linkable Module Architectural Illumination
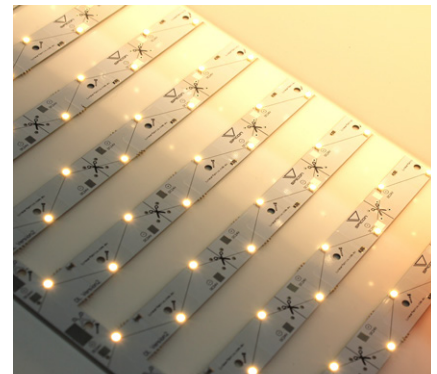### Model No. - LM-SL600PW/WW & LM-DL600PW/WW (single colour rendering)

LED Backlit Linkable Module Lighting

Linear Matrix linkable modules are a highly efficient backlighting solution for display, architectural and custom functional lighting purposes for indoor and outdoor applications. All products are based on the same energy efficient LEDs and uniform illumination with a recommended distance of 50mm from the LEDs to the fist illuminated surface (depending on the application).
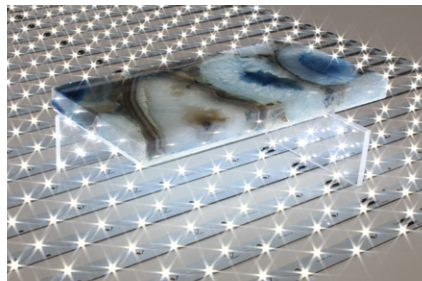
Modules can be cut down to size and curved to some extent for ultimate customization. Single layer (SL) modules can be cut horizontally in ribs of 38mm and the dual layer (DL) modules can be cut horizontally and vertically to sections of 3 LEDs, typically used to fill in smaller areas. For larger backlighting surfaces, multiple modules can be joined such that one external driver can power multiple modules at once.

☐ LM-SL600PW
6000k Pure White
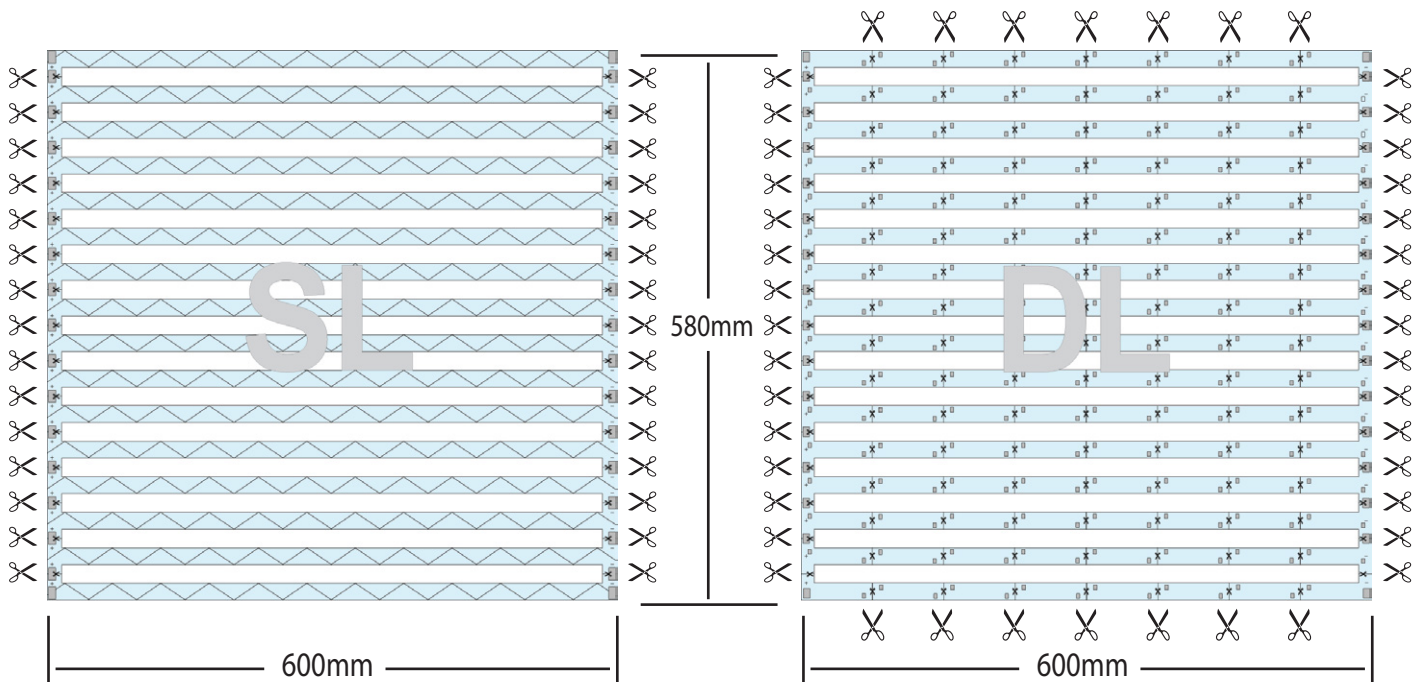
🟧 LM-DL600WW
3000k Warm White

LM-SL600PW/WW & LM-DL600PW/WW
Single Cololur Rendering 6500K Pure White or 3000K Warm White

Models	LM-SL600PW (Pure White) LM-SL600WW(Warm White)	LM-DL600PW (Pure White) LM-DL600WW (Warm White)
Size	600 x 580 x 2.5mm	600 x 580 x 2.5 mm
LED quantity	384 per module	384 per module
Material Offset	50mm (2 inch)	50mm (2 inch)
Lumen output (typ)	approx 3400 Lumen	approx 3400 Lumen
Wattage (max)	36 Watts	65 Watts
Colour Rendering	3000K (WW) Warm White 6000K (PW) Pure White	3000K (WW) Warm White 6000K (PW) Pure White
Warranty	5 Years	5 Years
Lifespan	+100,000 Hrs	+100,000 Hrs
Certification	UL8750 CSA C22.2 No. 250.13	UL8750 CSA C22.2 No. 250.13

Datasheet

Linear Matrix LED Backlit Linkable Module Architectural Illumination
Model No. - LM-SL600PW/WW & LM-DL600PW/WW (single colour rendering)

580mm

600mm

600mm

SL LED Backlit Module

The SL LED Module is the main unit used when installing. This unit can be cut into horizontal ribs and down the middle into a half unit. When laying down the modules, these units are used to fill in most of the area and can do so efficiently. **Available in Pure White & Warm White.**

DL LED Backlit Module

The DL LED Module is what we refer to as the "Gap Filler" unit when installing. This unit can be cut both horizontally & Vertically. Each section is its own circuit and will operate individually or in multiple sections. This versatility allows these Modules to backlight almost any size required. **Available in Pure White & Warm White.**

Mounting Materials:

- 4mm – Fire Rated Aluminium Rigid Board
- 6mm Rigid PVC Panels

Power Information

Power Requirements - **24v DC Regulated**
Power Consumption per Module:

- SL Modules – 36 Watts each
- DL Modules – 65 Watts each

Material Offset:

The suggested distance (d) between the transparent material and the Linear Matrix LED Modules is 50mm.

Please Note: Depending on the transparent material being used, the distance (d) to the LED Modules may vary, + or - . We suggest that the user runs a test with samples of the material to find the most effective distance.