

Linear Matrix RGBW LED Backlit Linkable Module Architectural Illumination Model No. - LM-SL600RGBW & LM-DL600RGBW

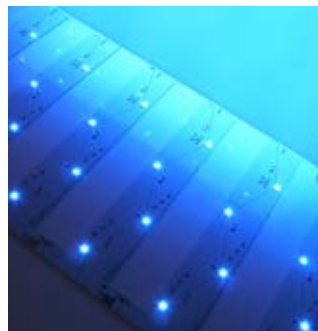
LED Backlit Linkable Module Lights with RGBW Colour

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 approx 75mm (3inch) from the LEDs to the first surface, depending on the application.

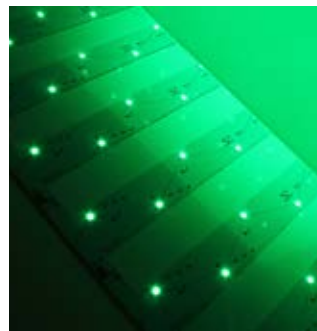
The Linear Matrix RGBW Backlit LED Modules are perfect for giving that intense atmospheric wash of colour on your selected surface. The colour effect is striking, undoubtedly effective and attention grabbing. Each bright red, green, blue and white(6500k) LEDs have a huge range of color depth, providing you with virtually limitless colour selection.



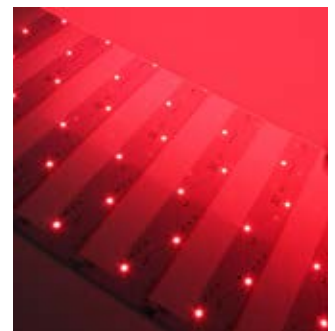
White LED On



Blue LED On



Green LED On



Red LED On

Adjustable RGB plus Pure White

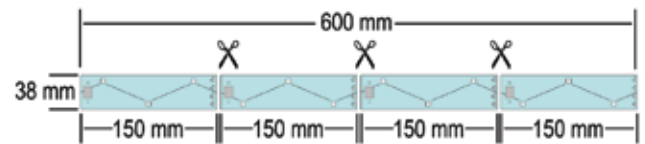
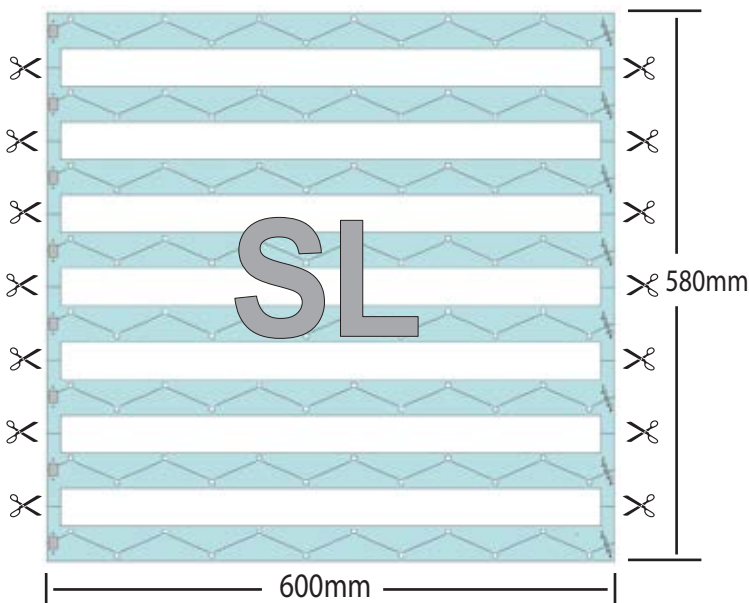


LM-SL600RGBW & LM-DL600RGBW

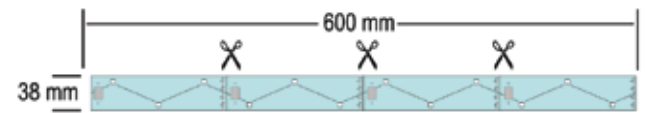
Adjustable from 2700K Warm White to 6500K Pure White

Model	LM-SL600RGBW	LM-DL600RGBW- RIB
Size	SL - 600 x 580 x 2.5mm	DL - 270 x 24 x2 .5mm
LED Quantity	96 per module	3 per Unit / 12 per Module
Light output (max)	3600 lumen	75 lumen
Wattage (max)	32 Watts with ALL Colours ON	1.7 Watts with ALL Colours ON
Material Offset	75 mm or 3 inches	
Colour Rendering	Fully Adjustable RGB Combination plus 6500K Pure White	
Warranty	5 Years Return to Base (RTB)	
Lifespan	+100,000 hrs	
Certification	UL8750 CSA C22.2 No. 250.13	

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DL



SL LED Backlit Module

The SL LED Module is the main unit used for installation. This module can only be cut into horizontal ribs. When laying down the modules, these units are used to fill in most of the area and can do so efficiently. These 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 77mm. For larger surfaces, multiple modules can be joined such that one external driver can power multiple modules at once.

DL LED Backlit Module

The DL LED Module is what we refer to as the Gap Filler unit when installing. This unit comes in a rib format but can be cut vertically to a 150mm piece (sections of 3 LEDs). 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 in conjunction with the SL Module. The DL Module has the same specifications as the SL Module but simply is used to fill in any gaps of light.

Mounting Materials:

- 6mm – 18mm MDF
- 3mm – 18mm Whiteboard MDF
- 4.5mm – 6mm Rigid PVC Panels
- 10mm Integral Foam PVC Panels

Power Information

Power Requirements - **24v DC Regulated**

Power Consumption per Module:

- SL Modules All On – 31 Watts each 600mm x 580mm Module
- DL Modules – 2 Watts each 3 LED 150mm x 38mm Module

Material Offset:

The suggested distance (d) between the transparent material and the Linear Matrix LED Modules is 75mm.

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.

