

Linear Matrix RGBW LED Backlit Linkable Module Architectural Illumination

Model No. - LM-SL600RGBW & LM-DL600RGBW

LED Backlit Linkable Module Lights with RGBW Colour

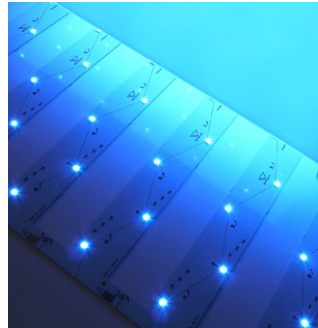
Linear Matrix linkable modules are a highly efficient backlighting solution for display, architectural and custom functional lighting purposes for indoor and outdoor applications. All products are based on the same energy efficient LEDs and uniform illumination with a recommended distance of approx 75mm (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.

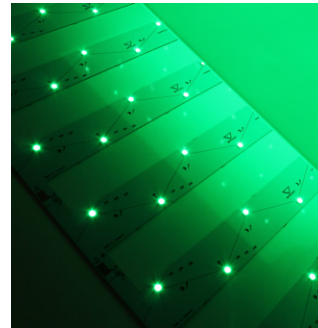
For full colour backlighting control, our recommendation is to pair the LM-SL600RGBW & LM-DL600RGBW modules with the Lunatone DALI RGBW LED family of DALI Dimmers (CV, DT8) example Art. Nr. 89453843.



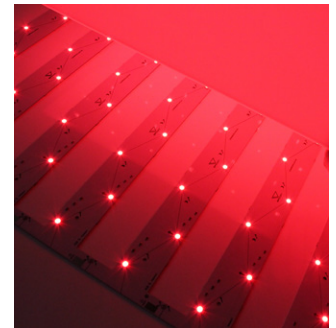
White LED On



Blue LED On



Green LED On



Red LED On

Adjustable RGB plus Pure White



LM-SL600RGBW & LM-DL600RGBW

Full Colour Rendering with Separate White Channel at 6500K Pure White

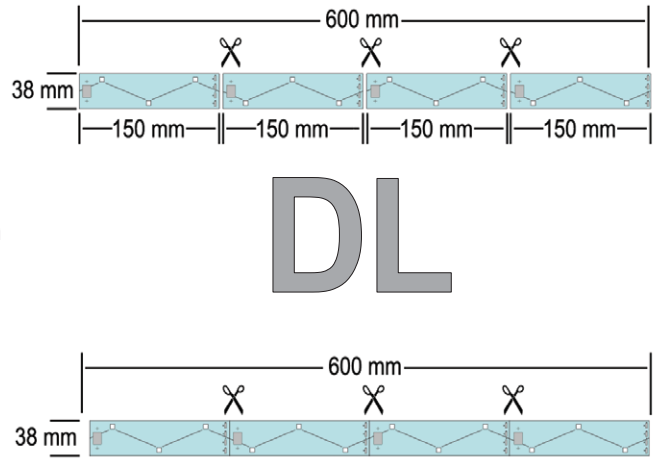
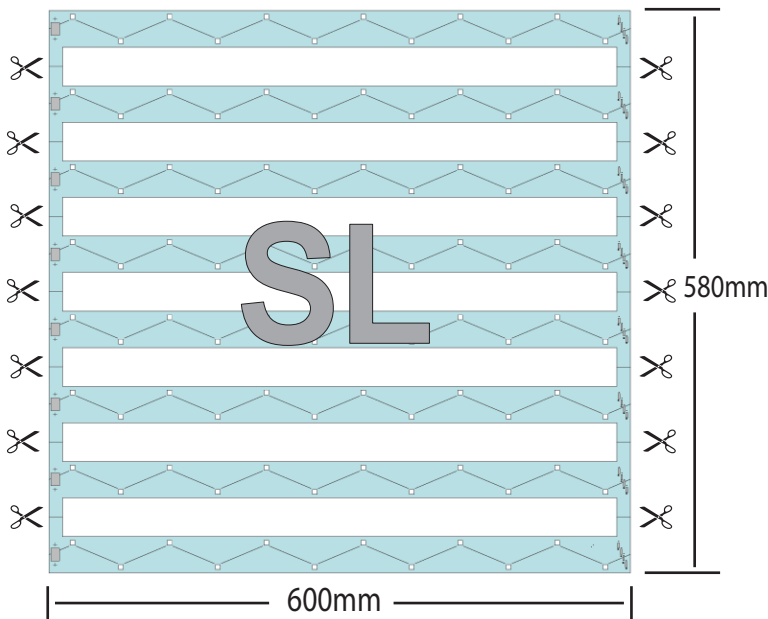
Model	LM-SL600RGBW	LM-DL600RGBW- RIB
Size	SL - 600 x 580 x 2.5mm	DL - 600 x 38 x 2.5mm
LED Quantity	384 per module	12 per Unit / 48 per Module
Lumen output (typ)	3600 lumen	450 lumen
Wattage (max)	32 Watts @ 24vDC with ALL Colours ON	1.7 Watts @ 24vDC with ALL Colours ON
Material Offset	75 mm or 3 inches	
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

Designed & Engineered in Australia by Linear Matrix



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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.

Mounting Materials:

Using Linear Matrix Premounted services, we can supply the Modules pre mounted to the below sub-straights for ease of on-site installation.

- 4mm - Fire Rated Aluminium Rigid Panel
- 6mm Rigid PVC Panels

Power Information

Power Requirements - 24v DC Regulated

Power Consumption per Module:

- SL Modules all ON – 32 Watts each 600mm x 580mm Module
- DL Modules all ON – 1.7 Watts per 600mm x 38mm Section

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.

