

TMS LITE SDN BHD

(Company Registration No: 200401033463 / 671971-V)

No. 2A-2, Tingkat Kenari 5, Desa Ria, Sungai Ara, 11900 Bayan Lepas, Penang, Malaysia.

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Safety Sheet - RGB/RGBW









- Best to light on one colour at a time
- If turn on RGB/RGBW simultaneously, sum of all channels should not exceed intensity of 100%
- Refer to the suggested simultaneous current output section below for maximum current that can be supplied for each colour:

Turn ON RGB colour	Example	Intensity Level	Other Example
Single colour	Turn on Green LED only	100%	200mA / lighting
		R – 0%	R – 200mA
		G – 100%	G – 0mA
		B – 0%	B – 0mA
2 colours	Turn on Red and Blue LED only	50% + 50%	200mA / lighting
		R – 50%	R – 100mA
		G – 0%	G – 0mA
		B – 50%	B – 100mA
3 colours	Turn on Red, Green and Blue LED	33% + 33% +	200mA / lighting
		33%	R – 66.6mA
	since 200	R – 33%	G – 66.6mA
	311100 200	G – 33%	B – 66.6mA
	www.tms-lite	B – 33%	



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Turn ON RGBW colour	Example	Intensity level	Other Example	
Single colour	Turn on Green LED only	100%	300mA / lighting	
		R – 0%	R – 0mA	
		G – 100%	G – 300mA	
		B – 0%	B – 0mA	
		W – 0%	W – 0mA	
2 colours	Turn on Red and White LED only	50% + 50%	300mA / lighting	
		R – 50%	R – 150mA	
		G – 0%	G – 0mA	
		B – 0%	B – 0mA	
		W – 50%	W – 150mA	
3 colours	Turn on Green , Blue and White	33% + 33% + 33%	300mA / lighting	
	LED only	R – 0%	R – 0mA	
		G – 33%	G – 100mA	
4		B – 33%	B – 100mA	
		W – 33%	W – 10 0mA	
4 colours	Turn on Red, Green, Blue &	25% + 25% +25%	300mA / lighting	
	White LED	+ 25%	R – 75mA	
		R – 25%	G – 75mA	
		G – 25%	B – 75mA	
		B – 25%	W – 75mA	
		W – 25%	Park J	

For 2 colours combination and above, the colour temperature must not exceed > 60°C

since 2004



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• LED Schematic Specification

RGB		RGBW				
	<u>24V</u>	<u>GND</u>			<u>24V</u>	<u>GND</u>
CONNECTOR RED		RED -		CONNECTOR RED		RED -
CONNECTOR GREEN	COM+	GREEN -		CONNECTOR GREEN	COM+	GREEN -
CONNECTOR BLUE		BLUE -		CONNECTOR BLUE	COIVIT	BLUE -
				CONNECTOR WHITE		WHITE -
COM+ GREEN- COM+ BLUE- WHITE-						

since 2004