

## 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% R – 0% G – 100% B – 0%	200mA / lighting R – 200mA G – 0mA B – 0mA
2 colours	Turn on Red and Blue LED only	50% + 50% R – 50% G – 0% B – 50%	200mA / lighting R – 100mA G – 0mA B – 100mA
3 colours	Turn on Red, Green and Blue LED	33% + 33% + 33% R – 33% G – 33% B – 33%	200mA / lighting R – 66.6mA G – 66.6mA B – 66.6mA

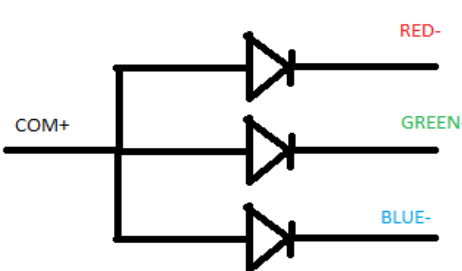
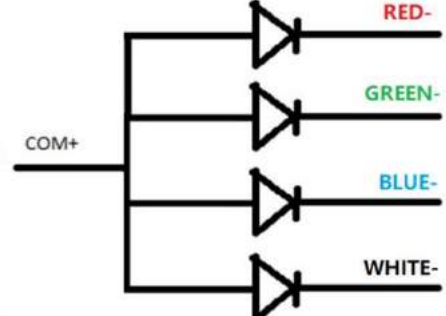
Turn ON RGBW colour	Example	Intensity level	Other Example
Single colour	Turn on Green LED only	100% R – 0% G – 100% B – 0% W – 0%	300mA / lighting R – 0mA G – 300mA B – 0mA W – 0mA
2 colours	Turn on Red and White LED only	50% + 50% R – 50% G – 0% B – 0% W – 50%	300mA / lighting R – 150mA G – 0mA B –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

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

- LED Schematic Specification

RGB			RGBW		
	24V	GND		24V	GND
CONNECTOR RED	COM+	RED -	CONNECTOR RED	COM+	RED -
CONNECTOR GREEN		GREEN -	CONNECTOR GREEN		GREEN -
CONNECTOR BLUE		BLUE -	CONNECTOR BLUE		BLUE -
			CONNECTOR WHITE		WHITE -

					
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