12V PRO BRIGHT DIGITALLY ADDRESSABLE LED TAPE, RGB, 60 LEDS P/M, IP20 (5M REEL)

| SKU: TL023RGBD

IP20 | RGB | 12V | CE EMC | CE LVD | RoHs | 3YR Guarantee

TECHNICAL INFORMATION

Tape Specifications

SKU Code	TL023RGBD
Voltage	12V
Watts p/M	14.4W p/M
No. of LEDs p/M	60 LEDs
Colour	RGB
IP Rating	IP20
Lumens p/M	Red 120LM
	Green 360LM
	Blue 90LM
LED Chip Type	SMD 5050
LED Chip Size	5mm x 5mm
Beam Angle	120°
PCB Width	10mm
PCB Thickness	1.2mm
Cut Points	Every 16.67mm
Heat Sink	FPCB 2OZ Double Layer
Dimmable	Yes
Operating Temp	-25°C to +60°C
Average Lifespan	Upto 25000 Hours
Certification	CE-EMC CE-LVD RoHs
Guarantee	3 Years

Driver Requirements

1 Metre	> 25W
2 Metres	> 36W
3 Metres	> 50W
4 Metres	> 60W
5 Metres	> 80W

ULTRA LEDS

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FEATURES & BENEFITS

- Highest quality parts to ensure stability in both the sense of data signal and physicality
- Energy efficient
- High brightness with the SMD 5050 LED Chip
- Programming service available
- Need a custom length? We can cut our tapes to your exact specification

DESCRIPTION

Unusually for a 12v tape, every pixel on this tape is addressable giving the double benefits of high resolution animation effects and low current consumption. This 12V pixel tape offers higher reliability and thinner power cables when compared to a 5v competitor. Should a chip fail, its data line is automatically bypassed allowing the installation to continue operating normally. A high quality PCB reduces voltage drop and maintains even brightness along the whole length of the tape.

We also offer a programming service. Please get in touch with us to discuss any requirements.

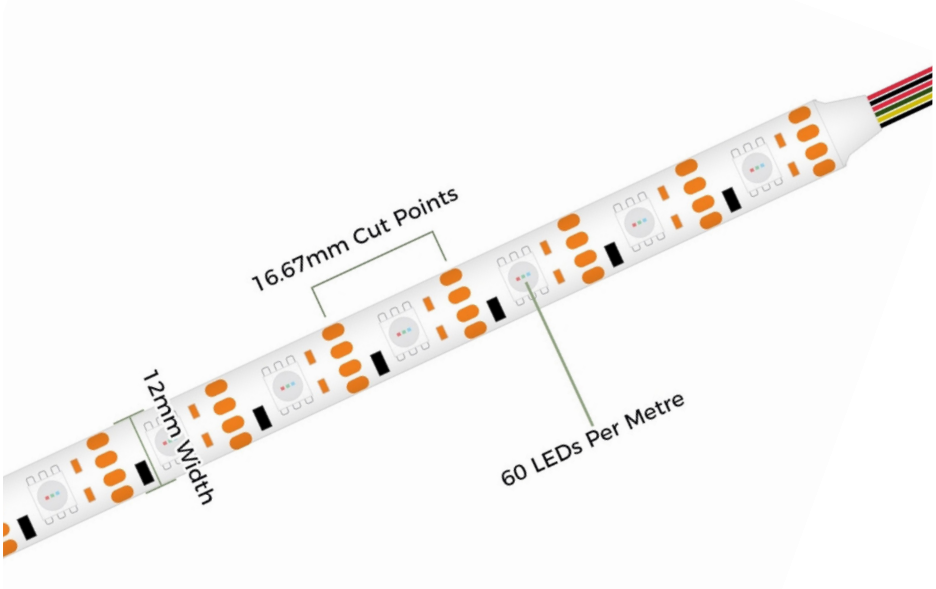
Printed on a 4oz thick white PCB and integrated with the LC8808 data chip this RGB LED strip light tape is not only flexible, but extremely versatile and built to last assembled using the highest quality parts to ensure stability in both the sense of data signal and physicality.

What Driver do I need?

We have many easy to use compatible drivers available in various wattages. To work out what driver you will need for each length of LED you can simply multiply the wattage of the tape by the length of LED strip you will be using, this will give you the total wattage the LED strip requires, then simply choose a driver which is at least 10% above this figure.

For this tape range you will require a driver which is above the below figures.

1 metre – More than 6w
2 metre – More than 11w
3 metre – More than 16w
4 metre – More than 22w
5 metre – More than 27w



TAPE DIAGRAM