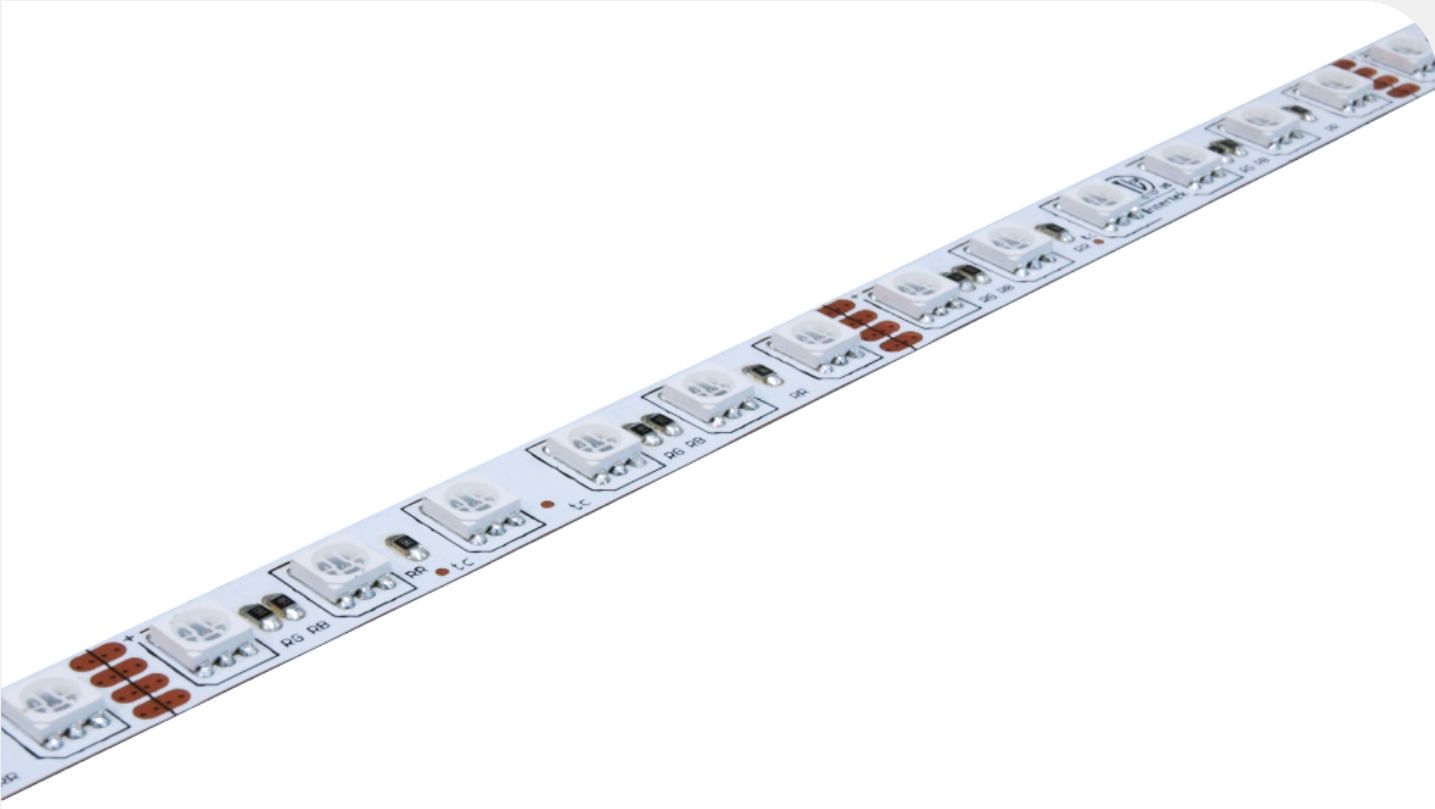


**SERIES**  
5050 | 84 | 26.4  
Colour Changing  
**RGB**



**Technical Data**  
**LED Flexible Strip Light**  
**5050 RGB | 17.1**  
**Issue: V1.0**



## Features

- High performance 5050 RGB LEDs
- Low visible dot design (84 LEDs per metre)
- Efficient heat design, requires no heat-sink
- Ultra flexible substrate
- Safe low voltage
- Pre-wired at both ends
- Double sided tape mounting



## Electrical Data

Voltage	24.0 VDC
Wattage per metre	17.1 W
Current per metre	0.71 A / 24 V

## LED Data

LED type	5050 RGB
Manufacturer	Dilux
Quantity of chips per LED	3
Quantity of LEDs per metre	84
LED pitch	11.9 mm

## Photometric Data

Colour temperature	See figure 2
Colour rendering index Ra	N/A
Luminous flux per metre	126 lm Red 504 lm Green 84 lm Blue
Beam angle	120°
Dimmable	1 ~ 100%

## Construction / Protection Data

Substrate	Double layer FPCB
Thickness of FPCB	2 oz
Mounting	Double sided tape 3M
IP rating	See figure 3
Operating temperature	-20 ~ +70 C°
Storage temperature	-20 ~ +50 C°

## Dimensions

Cutting increments	18 LEDs / 100mm (24V) See figure 1
Length	5000mm
Width	14.0mm
Height	1.8mm

## Lifetime

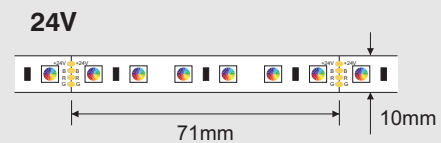
Lifespan (L70)	>70,000 hours
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Testing environment temperature = 25°C ±2.0°



**Figure 1.**

Cutting Increments



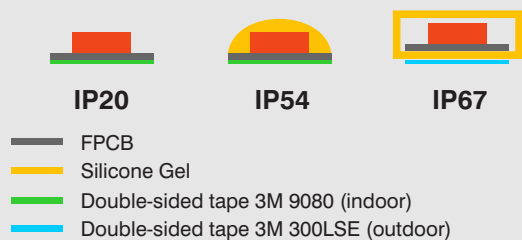
**Figure 2.**

Colour Temperatures



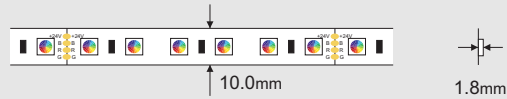
**Figure 3.**

IP Protection Ratings

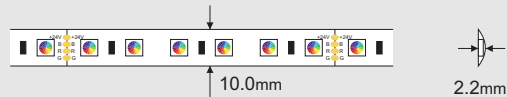


## Dimensions

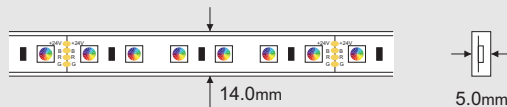
IP20



IP54



IP67



## Ordering Information

LL 50	84	24	RGB	IP20	5M
LED Type	LEDs / m	Voltage	Colour	IP Rating	Length
5050	84	24	RGB	20	5m
				54	20m
				67	

## Installation

- The mounting surface must be clean, dry and free from dust or grease.
- Carefully unroll the LED strip from the reel.
- Measure and cut the LED strip to the required length (only cut at the predefined cut interval).
- Remove the 3M self-adhesive backing tape from the LED strip carefully. **Do not remove all the backing at once otherwise the LED strip may become entangled.**
- Stick down the LED strip to the mounting surface by pressing down gently on the LED strip. **Do not apply excessive force to the LED strip, otherwise the LEDs and components may become damaged.**
- Once the LED strip has been mounted, it is then ready to be wired and powered.

**For more detailed instruction on installation & wiring please see the product page on our website.**

## Notes

- It is not recommended to power a continuous length longer than **[5m for 12V]** or **[10m for 24V]** LED strip due to voltage drop.
- **Do not exceed the rated input voltage**, always ensure a regulated power supply is used.

## Further information

[Photometric Data](#)

[Installation and Wiring Instructions](#)

[LED Binning](#)

[IES File](#)

[LED Strip Light Selection Guide](#)