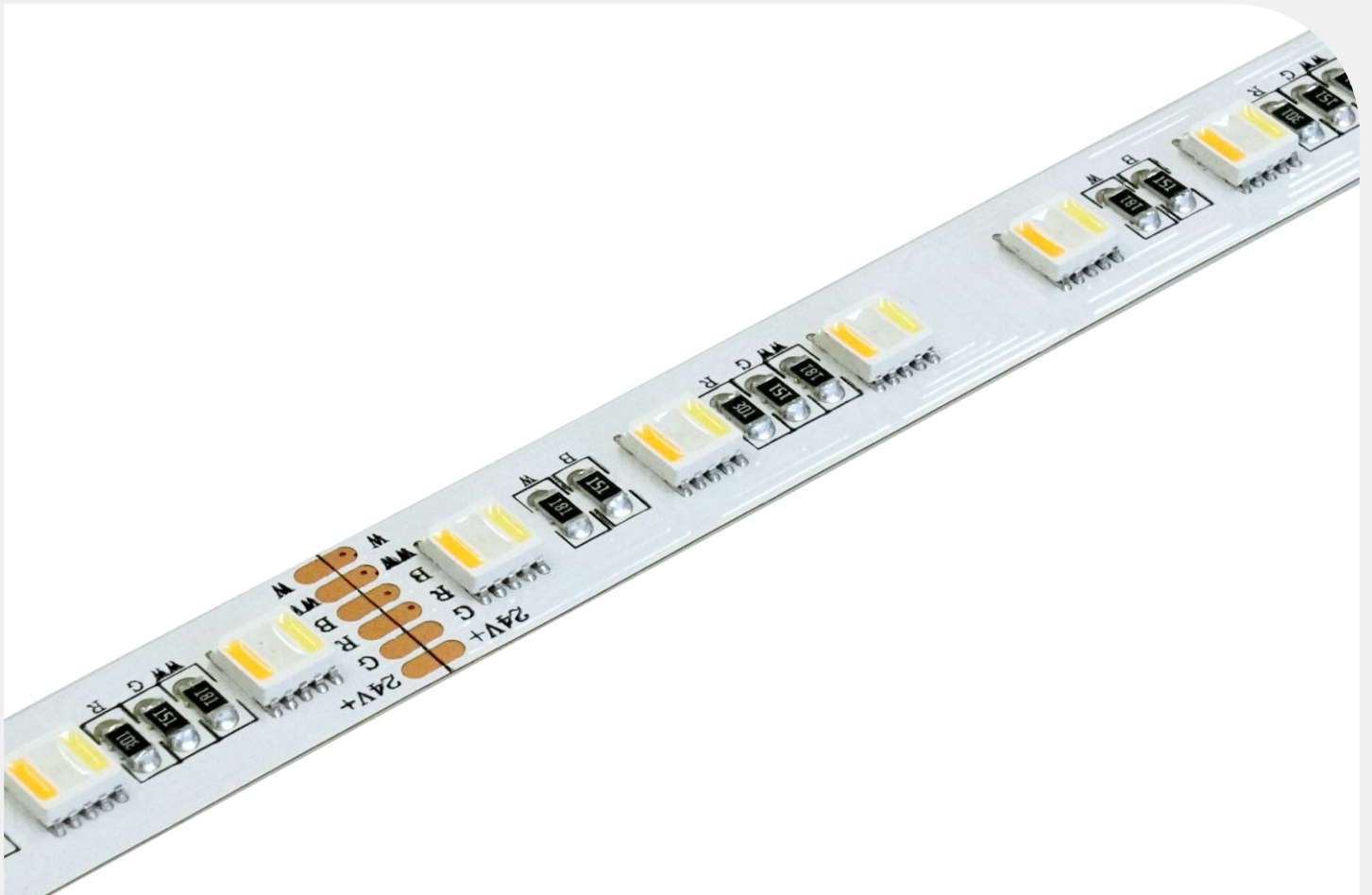


**SERIES**  
5050|72L|27W  
Colour Changing

**RGB**  
**+ CCT**

**LINEAR LUX**  
LED LIGHTING SOLUTIONS



# Technical Data

## LED Flexible Strip Light

### 5050 | 72L | 27W

Issue: V1.0



## Features

- High performance 5050 LEDs
- Low visible dot design (180 LEDs per metre)
- Efficient heat design, requires no heat-sink
- High CRI, >90
- Ultra flexible substrate
- Safe low voltage
- Pre-wired at both ends
- Double sided tape mounting

## Electrical Data

Voltage	24.0 VDC
Wattage per metre	27 W
Current per metre	1.125 A / 24 V

## LED Data

LED type	5050 4Chip RGB CW+WW
Manufacturer	Dilux
Quantity of chips per LED	4
Quantity of LEDs per metre	72
LED pitch	14 mm

## Photometric Data

Colour temperature	See figure 2
Colour rendering index Ra	>90
Luminous flux per metre	55 lm Red 298 lm Green 42 lm Blue 376 lm 2900°K 436 lm 6000°K
Beam angle	120°
Dimmable	1 ~ 100%

## Construction / Protection Data

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

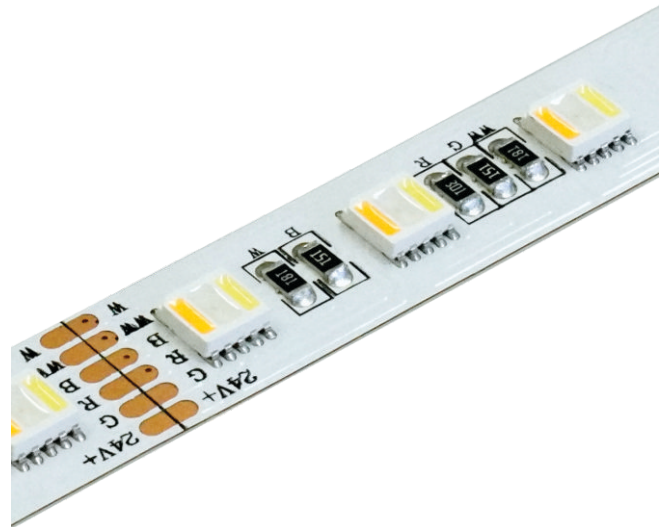
## Dimensions

Cutting increments	6 LEDs / 83.5mm See figure 1
Length	5000mm
Width	12.0mm
Height	3.0mm

## Lifetime

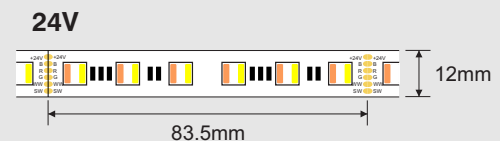
Lifespan (L70)	>70,000 hours
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Testing environment temperature = 25°C ±2.0°



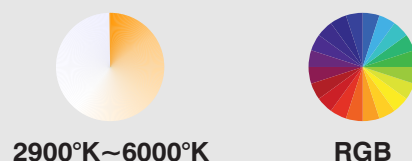
**Figure 1.**

Cutting Increments



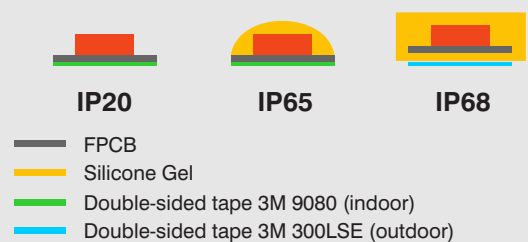
**Figure 2.**

Colour Temperatures



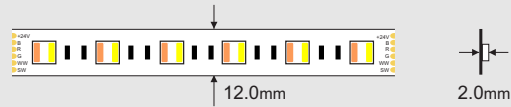
**Figure 3.**

IP Protection Ratings

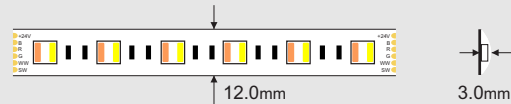


## Dimensions

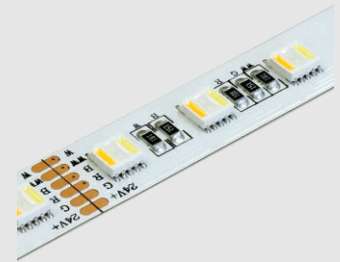
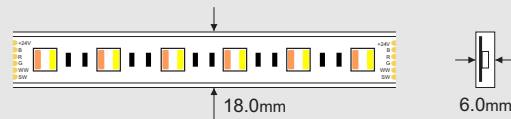
IP20



IP65



IP68



## Ordering Information

LED Type	LEDs /m	Voltage	Colour	IP Rating	Length
LL 50	072	24	RGBCCT	IP20	5M
5050	60	24	RGB+CCT	20	5m
				65	10m
				68	20m

i.e. LL50-060-24-RGBCCT-IP2020M

## 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.