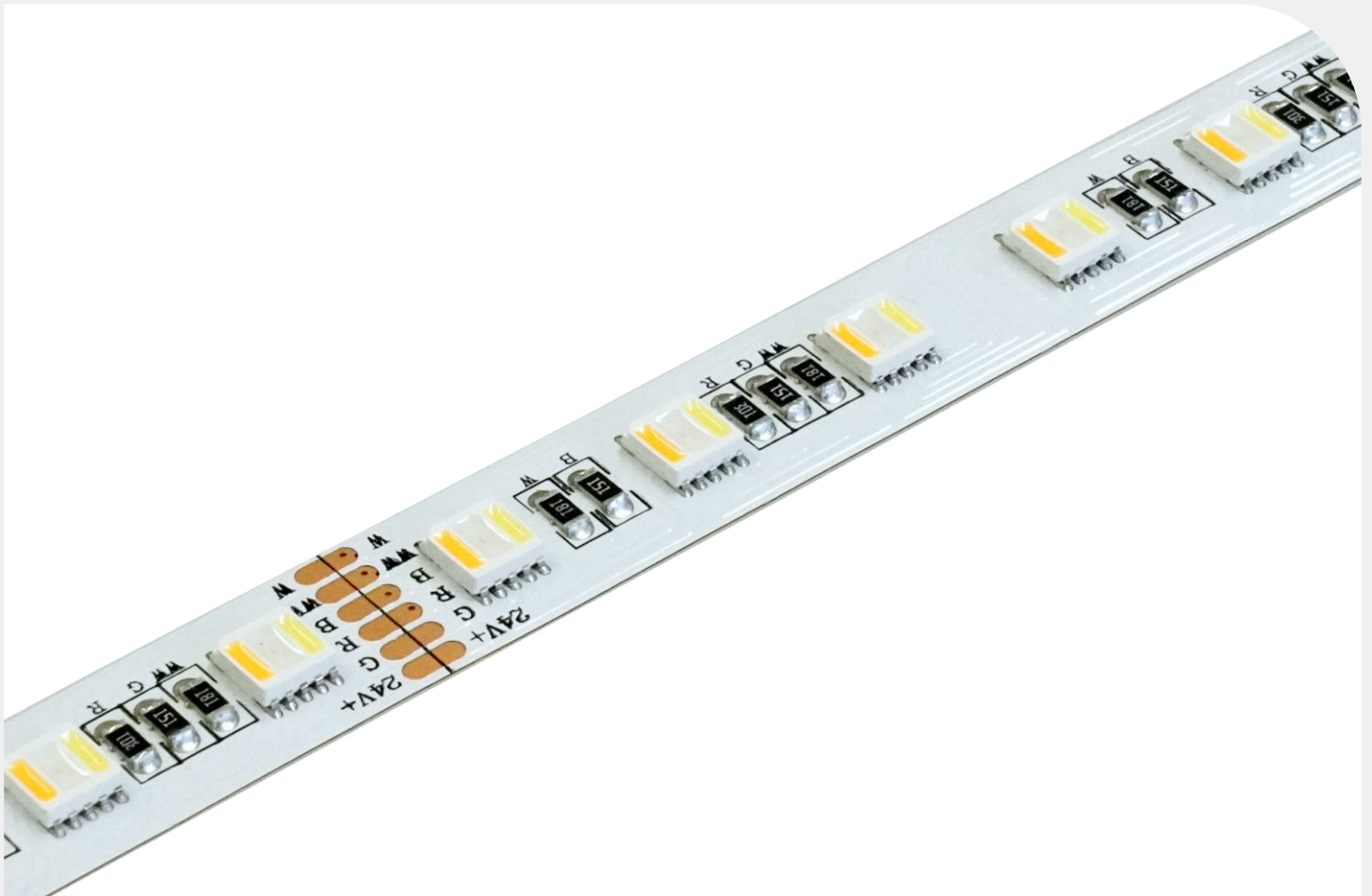


SERIES
5050|60L|24W
Colour Changing

RGB
+ CCT

LINEAR LUX
LED LIGHTING SOLUTIONS



Technical Data

LED Flexible Strip Light

5050|60L| 24W

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	24 W
Current per metre	1.0 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	60
LED pitch	16.67 mm

Photometric Data

Colour temperature	See figure 2
Colour rendering index Ra	>90
Luminous flux per metre	50 lm Red 270 lm Green 38 lm Blue 342 lm 2900°K 396 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	60 LEDs / 100mm 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°

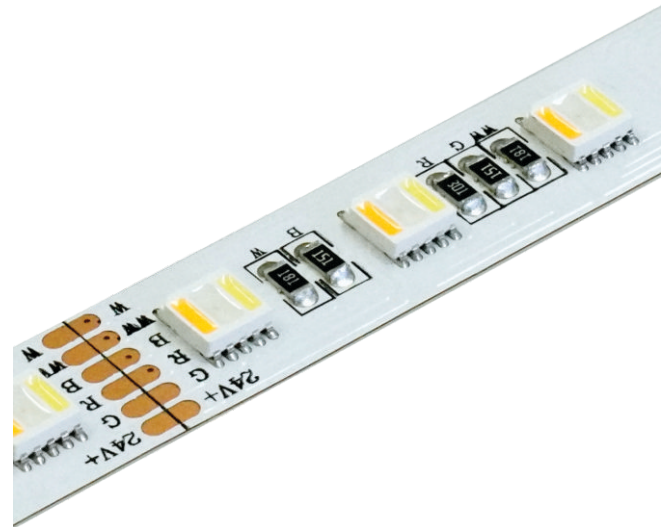


Figure 1.

Cutting Increments

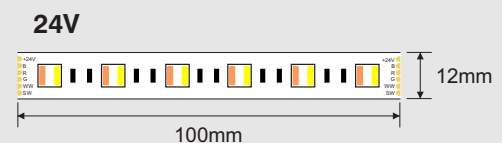


Figure 2.

Colour Temperatures

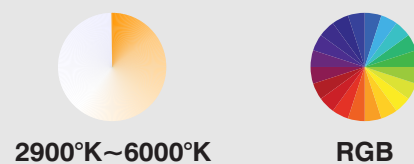
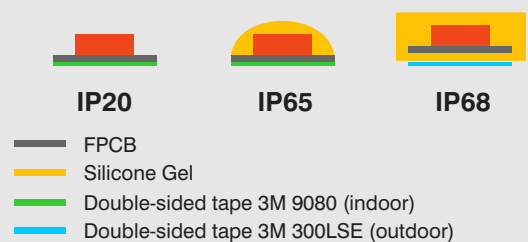


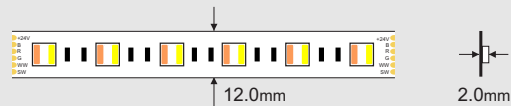
Figure 3.

IP Protection Ratings

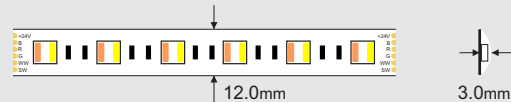


Dimensions

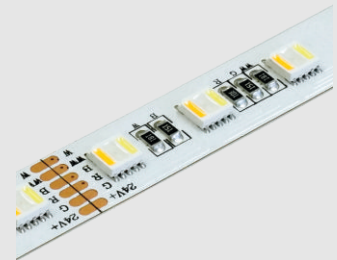
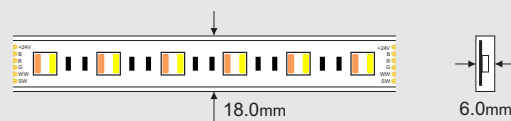
IP20



IP65



IP68



Ordering Information

LL 50

060

24

RGB CCT

IP20

5M

LED Type

LEDs /m

Voltage

Colour

IP Rating

Length

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.