

Features

- Dual colour CCT colour selection
- High density 120 LEDs/m, 240 Chips/m
- High efficacy of 133lm/W
- **High CRI >90**
- 3oz flexible PCB (low voltage drop)
- Safe low voltage
- Pre-wired at both ends
- Double sided tape mounting

Electrical Data

| | |
|-------------------|--|
| Voltage | 12.0 / 24.0 VDC |
| Wattage per metre | 19.2 W (Both chips) |
| Current per metre | 0.8 A / 12 V (Single chip) 0.4 A / 24 V (Single chip) 1.6 A / 12 V (Both chips) 0.8 A / 24 V (Both chips) |

LED Data

| | |
|-----------------|-------|
| LED type | 3528 |
| Manufacturer | SANAN |
| LEDs per metre | 120 |
| Chips per metre | 240 |

Photometric Data

| | |
|---------------------------|------------------------|
| Colour temperature | See figure 2 |
| Colour rendering index Ra | >90 |
| Luminous flux per metre | 1280 lm (single chip) |
| Luminous efficacy | 133 lm/W (single chip) |
| Beam angle | 160° |
| 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 | 3 LEDs / 25.0mm |
| | 6 LEDs / 50.0mm |
| Length | 5000mm |
| Width | 10.0mm |
| Height | 1.8mm |

Lifetime

| | |
|--|---------------|
| Lifespan (L70) Ambient temperature = 25°C ±2.0° | >50,000 hours |
|--|---------------|

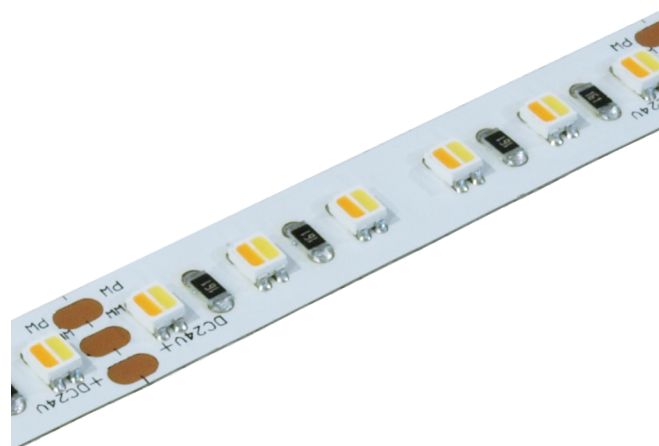


Figure 1.

Cutting Increments

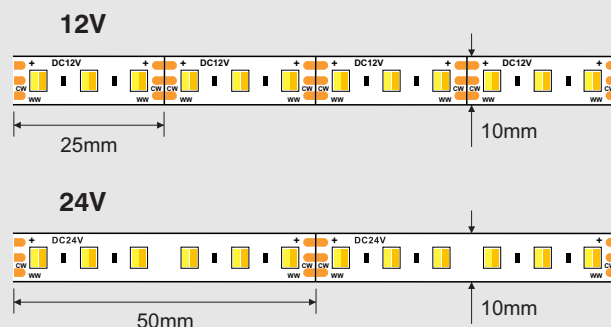


Figure 2.

Colour Temperatures

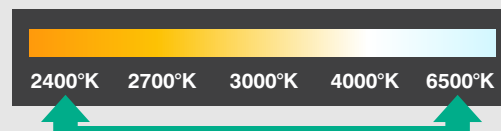


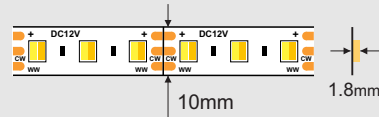
Figure 3.

IP Protection Ratings

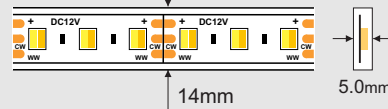


Dimensions

IP20



IP68



Ordering Information

| LED Type | LEDs / m | Voltage | IP Rating | Length |
|----------|----------|----------|-----------|--------|
| LL CCT | 120 | 24 | IP20 | 5M |
| CCT | 120 | 12 24 | 20 68 | 5m |

* Blue, green, and red LEDs can be ordered as an indent item, MOQ may apply

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.