

SERIES COB

COB | 480 | 5.0
5MM

Features

- High density 480x chips/m COB LED
- **No visible dot design**
- High efficacy of 100lm/W
- **High CRI >90**
- 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	12.0 / 24.0 VDC
Wattage per metre	5.0 W
Current per metre	0.42A / 12V 0.21A / 24V

LED Data

LED type	COB
Manufacturer	SANAN
Chips per metre	480

Photometric Data

Colour temperature	See figure 2
Colour rendering index Ra	>90
Luminous flux per metre	500 lm >3,700°K
Luminous efficacy	100 lm/W >3,700°K
Beam angle	160°
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	50.00mm See figure 1
Length	5000mm
Width	5.0mm
Height	3.0mm

Lifetime

Lifespan (L70)	>50,000 hours
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Testing environment temperature = 25°C ±2.0°



Figure 1.

Cutting Increments

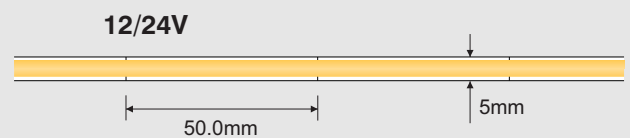


Figure 2.

Colour Temperatures

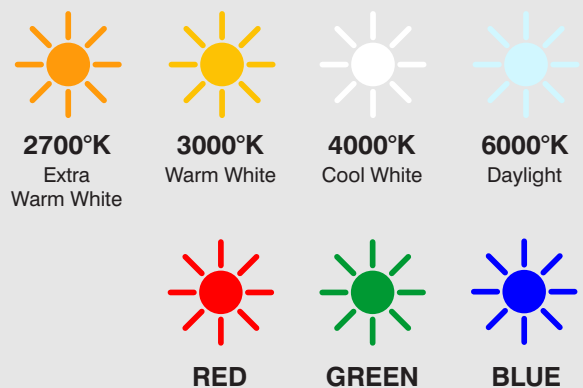


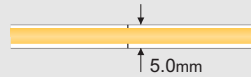
Figure 3.

IP Protection Ratings

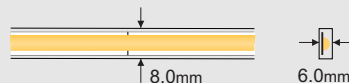


Dimensions

IP20



IP67



Ordering Information

LED Type	Chips / m	Voltage	Colour	IP Rating	Length	Width
COB	480	12 24	2K7 3K0 4K0 6K0 Colours*	20 67	5m	5mm

* 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.