SERIES COB CCT

COB|608|24
HI LUX

LINEAR LUX — LED LIGHTING SOLUTIONS

Features

- Dual colour CCT colour selection
- High density 608x chips/m COB LED
- **No visible dot design**
- **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	24.0 VDC
Wattage per metre	**24 W (Both chips)**
Current per metre	0.5 A / 24 V (Single chip)
	1.0 A / 24 V (Both chips)

LED Data

LED type	**COB**
Manufacturer	SAN'AN
Chips per metre	608

Photometric Data

Colour temperature	See figure 2
Colour redering index Ra	>90
Luminous flux per metre	1080 lm (2700K)
	1248 lm (6000K)
Luminous efficacy	97 lm/W (avg)
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	26.31mm
Length	5000mm
Width	10.0mm
Height	1.8mm

Lifetime

Lifespan (L70)	>50,000 hours

Testing environment temperature = 25°C ±2.0°

LM80   CE   RoHS COMPLIANT
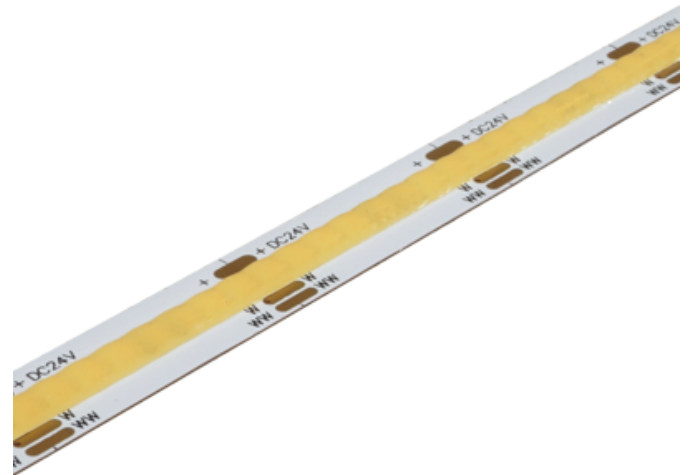
Figure 1.

Cutting Increments

24V

26.31mm

10mm
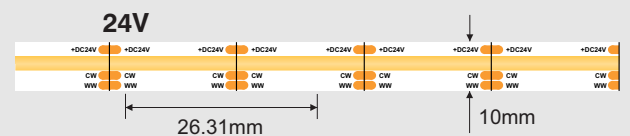
Figure 2.

Colour Temperatures

2400°K   2700°K   3000°K   4000°K   6500°K
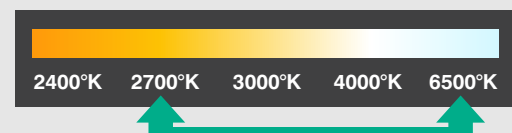
Figure 3.

IP Protection Ratings

IP20   IP67

- FPCB
- Silicone Gel
- Double-sided tape 3M 9080 (indoor)
- Double-sided tape 3M 300LSE (outdoor)

Dimensions

IP20

+DC24V +DC24V +DC24V +DC24V +DC24V
CW CW CW CW CW
WW WW WW

10.0mm   1.8mm

IP67

+DC24V +DC24V +DC24V +DC24V +DC24V
CW CW CW CW CW
WW WW WW

14.0mm   5.0mm
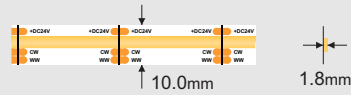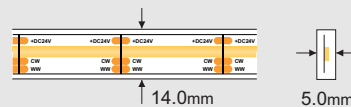
Ordering Information

LL	COB	608	24	CCT	IP20	5M
LED Type		**Chips / m**	**Voltage**	**Colour**	**IP Rating**	**Length**
COB		608	24	CCT	20 67	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 <u>not recommended</u> 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.