

Sauna series

COB | 12mm (0.47in)

COB

p/n: VFL-SNCOB-RGBW-840-12-WP67-24V09



Features

- 840x SMD LED per meter (256xSMD LEDs per foot)
- Max.operating temperature up to 125°C (257 °F)
- Up to 560Lm/m (170Lm/ft)
- High efficacy of 58Lm/W
- Ideal for sauna room, hot spring and etc applications
- Durable, flexible and low profile
- Double sided 3M tape mounting



Electrical Data

Voltage	24V DC
Wattage per meter	9.6W (2.93W/ft)
Current per meter	0.4A (0.12A/ft)/24V

LED Data

LED type	COB
Manufacturer	SAN'AN
Chips per meter	840 (256 Led/ft)

Photometric Data

Color temperature	RGBW
Color rendering index Ra	-
Luminous flux per meter	RGBW: 560 Lm/m (170 Lm/ft)
Luminous efficacy	58 Lm/W @ RGBW
Beam angle	135°
Dimmable	0~100%

Construction / Protection

Substrate	Double layer FPCB
Thickness of FPCB	2 oz
Mounting	Double sided tape 3M
IP rating	See figure 3.
Operating temperature	-25 ~ +125 °C (-13 ~ 257 °F)
Storage temperature	-20 ~ +60 °C (-4 ~ 140 °F)

Dimensions

Cutting increments	33.33 mm (1.31 in)
	See figure 1.
Length	5 m (16.4 ft)
Width	14 mm (0.55 in)
Height	6.0 mm (0.23 in)

Lifetime

Lifespan (L70)	>54,000 hours
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Testing environment temperature = 25 °C



Figure 1.

Dimensions & Cutting increments

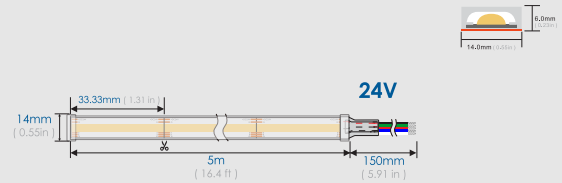


Figure 2.

Suitable Accessories

Accessories

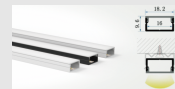


ACC-SIMC-14
Code: VL-F1507



3M VHB tape
Code: VHB5925-13mm

Profile



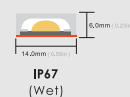
Surface-Mount
Code: VL-SF1809



Recessed-Mount
Code: VL-RC2510

Figure 3.

IP Protection Ratings



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