Dim-To-Warm series
COB
COB | 14W/m | 10mm

p/n: VFL-DTWCOB-1830-560-10-24V14

VALS LIGHTING®

Features

- Dim to warm
- 24V input
- **Hotspot-free appearance**
- High output up to 1,050Lm per meter
- CRI>90
- Durable, flexible and low profile
- Double sided 3M tape mounting
- The CCT is from 3000K to 1800K while its brightness is dimmed synchronously and smoothly

CE RoHS COMPLIANT LM80

Electrical Data

Voltage	24V DC
Wattage per meter	**14W**
Current per meter	0.6A/24V

LED Data

LED type	**COB**
Manufacturer	SAN'AN
Chips per meter	560

Photometric Data

Color temperature	Adjustable 1800K-3000K
Color redering index Ra	>90
Luminous flux per meter	1,050 lm >3,000K 945 lm <1,800K
Luminous efficacy	75 lm/W >4,000K
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	-20 ~ +45 C°
Storage temperature	-20 ~ +70 C°

Dimensions

Cutting increments	50 mm See figure 1.
Length	5,000 mm
Width	10 mm
Height	1.6 mm

Lifetime

Lifespan (L70)	>54,000 hours

Testing environment temperature = 25 C°

Figure 1.
Dimensions & Cutting increments
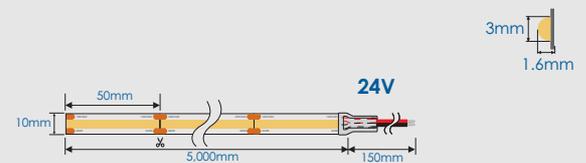
Figure 2.
Suitable Accessories

Connector

Code: MN-FC-2P-10
Feeding connector with
2-wire cable 150mm

Code: MN-JC-2P-10
Joint connector with
2-wire cable 150mm

Code: MN-MC-2P-10
Middle connector

Code: MN-SC-2P-10-T/L
Multi-function, T/L-type
connector 2P

Profile

Surface-Mount
Code: VL-SF1507

Recessed-Mount
Code: VL-RC2207

Corner-Mount
Code: VL-TR1616

Figure 3.
IP Protection Ratings

IP20	IP54	IP65	IP67	IP68
(Dry)	(Damp)	(Damp)	(Wet)	(Outdoor)

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