RGB-10mm series

COB

COB | 15W/m | 10mm

p/n: VFL-MCCOB-RGB-840-10-24V15

VALS LIGHTING®

Features

- High output RGB
- 24V input
- **Hotspot-free appearance**
- RGB controlled by PWM controller
- Durable, flexible and low profile
- Double sided 3M tape mounting

CE RoHS COMPLIANT LM80

Electrical Data

Voltage	24V DC
Wattage per meter	**15W**
Current per meter	0.625A/24V

LED Data

LED type	**COB**
Manufacturer	SAN'AN
Chips per meter	840

Photometric Data

Color temperature	RGB
Color redering index Ra	-
Luminous flux per meter	R: 128 lm G: 389 lm B: 59 lm RGB: 526 lm
Luminous efficacy	35 lm/W RGB
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°
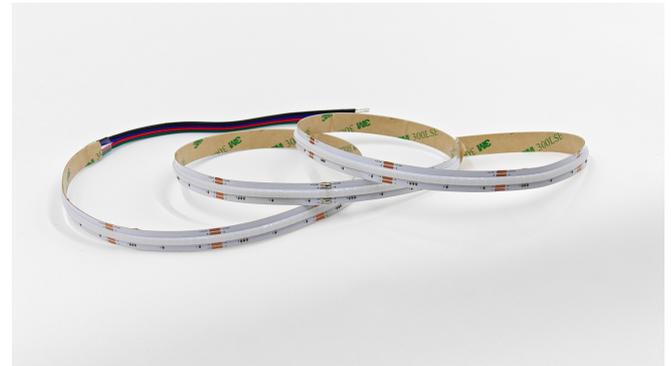
Figure 1.

Dimensions & Cutting increments

3mm
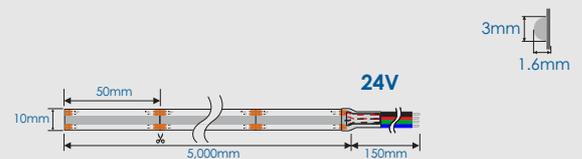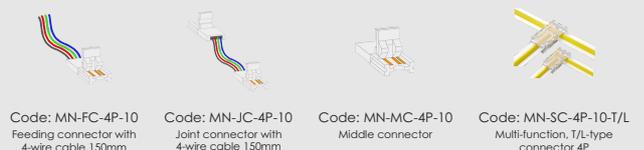1.6mm
50mm
24V
10mm
5,000mm
150mm

Figure 2.

Suitable Accessories

Connector

Code: MN-FC-4P-10
Feeding connector with
4-wire cable 150mm

Code: MN-JC-4P-10
Joint connector with
4-wire cable 150mm

Code: MN-MC-4P-10
Middle connector

Code: MN-SC-4P-10-T/L
Multi-function, T/L-type
connector 4P

Profile

Surface-Mount
Code: VL-SF1507

Recessed-Mount
Code: VL-RC2207

Corner-Mount
Code: VL-TR1616

Figure 3.

IP Protection Ratings

IP20 (Dry)	IP54 (Damp)	IP65 (Damp)	IP67 (Wet)	IP68 (Outdoor)
1.6mm 10.0mm	2.0mm 10.3mm	4.0mm 12.0mm	4.0mm 12.0mm	4.0mm 12.0mm

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