

VFL-MCBL5050-RGBW-288-4824-24V80

Multi-color Flex Panel
24V - 80W - 4,250Lm/m - RGBW



LED TYPE	
PROJECT	
NOTES	

Features

- 288 x chips per sheet(87xSMD LEDs per foot)
- RGBW modular color changing
- Built-in terminal ports easy to connect to power
- Flexible, ideal for back lighting of acrylic, marble and glass
- Free-cut perfect to meet irregular shape application
- Durable, flexible and low profile
- Double sided 3M tape or screw mounting
- 50,000 hours rated life, and 5-year limited warranty

Electrical Data

Voltage	24.0V DC
Wattage per sheet	80W (24.39W/ft)
Current per sheet	3.33A(1.0A/ft)/24V

LED Data

LED type	5050
Manufacturer	Lumileds
Chips per sheet	288 (87 Led/ft)

Photometric Data

Color	RGBW
CRI	-
Luminous flux	RGBW 4,250 (1,295 Lm/ft) Lm/sheet
Luminous efficacy	53 Lm/W
Beam angle	120°
Dimmable	1~100%

Construction / Protection

Substrate	Double layer FPCB
Thickness of FPCB	2 oz
Mounting	Double sided tape 3M/screw
IP rating	See figure 4.
Operating temperature	-20 ~ +50 C°
Storage temperature	-20 ~ +70 C°

Dimensions

Cutting increments	120mm x 40mm (4.72*1.57in) See figure 1.
Length	480mm (18.9 in)
Width	240mm (9.45 in)
Height	2 mm (0.07 in)

Lifetime

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

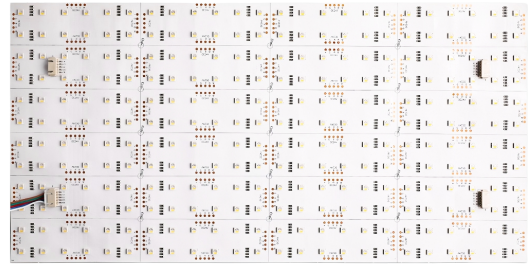


Figure 1.

Dimensions & Cutting increments
One sheet

Cutting increments

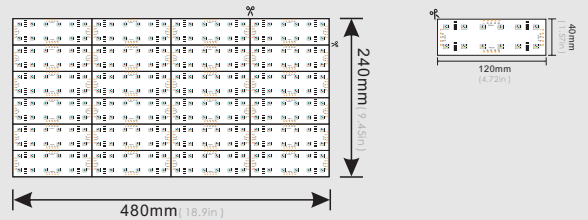


Figure 2.

Suitable Accessories

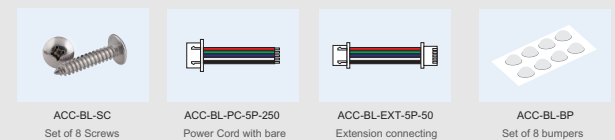
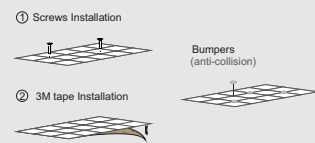


Figure 3.

Example of Installation



Wiring connection

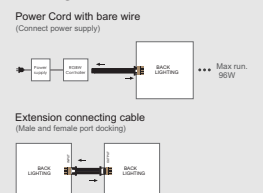


Figure 4.

IP Protection Ratings

