

VFL-MCBL5050-RGBTW-864-4824-24V80

Multi-color Flex Panel
24V - 80W - 5,310Lm/m - RGBTW



LED TYPE	
PROJECT	
NOTES	

Features

- 864 x chips per sheet(263xSMD LEDs per foot)
- RGBTW 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	864 (263 Led/ft)

Photometric Data

Color	RGBTW
CRI	-
Luminous flux	RGBTW 5,310 (1,618 Lm/ft) Lm/sheet
Luminous efficacy	66 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°

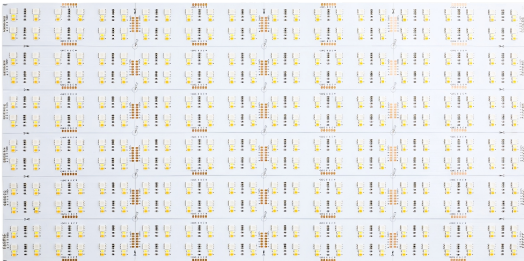
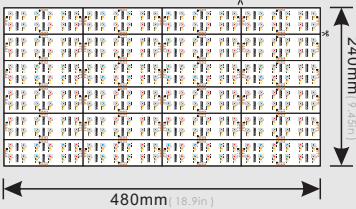


Figure 1.

Dimensions & Cutting increments
One sheet



Cutting increments

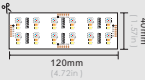
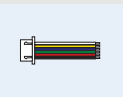


Figure 2.

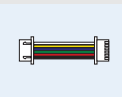
Suitable Accessories



ACC-BL-SC
Set of 8 Screws



ACC-BL-PC-6P-250
Power Cord with bare
wire, Length 250mm



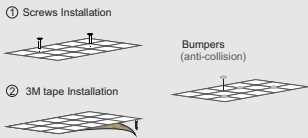
ACC-BL-EXT-6P-50
Extension connecting
cable, Length 50m



ACC-BL-BP
Set of 8 bumpers

Figure 3.

Example of Installation



Wiring connection

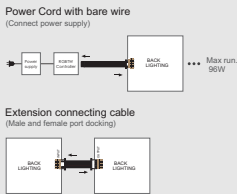


Figure 4.

IP Protection Ratings

