RGBW

5050 | 288 | 60W

Flex Panel

P/N: VFL-BL5050-RGBW-288-24V60
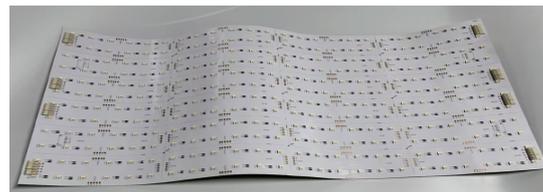
Vals LiGHTiNG®

Features

- 288x chips per sheet
- RGBW modular color changing
- Built-in terminal ports easy to connect to power
- Flexible, ideal for back lighting of acrylic, marble and glass
- PWM control
- 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	**60W**
Current per sheet	2.5A/24V

LED Data

LED type	**5050**
Manufacturer	Lumileds
Chips per sheet	288

Photometric Data

Color	RGBW
CRI	90+(white)

	Red	Green	Blue	3000K	RGBW
Luminous flux	630 Lm/sheet	1,300 Lm/sheet	280 Lm/sheet	1,620 Lm/sheet	3,750 Lm/sheet
	26 Lm/unit	54 Lm/unit	12 Lm/unit	68 Lm/unit	160 Lm/unit
	3,470 Lm/m²	7,050 Lm/m²	1,520 Lm/m²	8,780 Lm/m²	20,400 Lm/m²

Luminous efficacy	63 Lm/W@RGBW
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 3.
Operating temperature	-20 ~ +45 C°
Storage temperature	-20 ~ +70 C°

Dimensions

Cutting increments	152.4mm*50.8mm See figure 1.
Length	610mm
Width	305mm
Height	2 mm

Lifetime

Lifespan (L70)	>50,000 hours

Testing environment temperature = 25 C°

CE RoHS COMPLIANT CUSTOM SHAPES LM 79/80 COMPLIANT

RGBW W=3000K W=4000K W=6500K

Figure 1.

Dimensions & Cutting increments

Cutting increments

50.8mm

152.4mm

One sheet

305mm

610mm
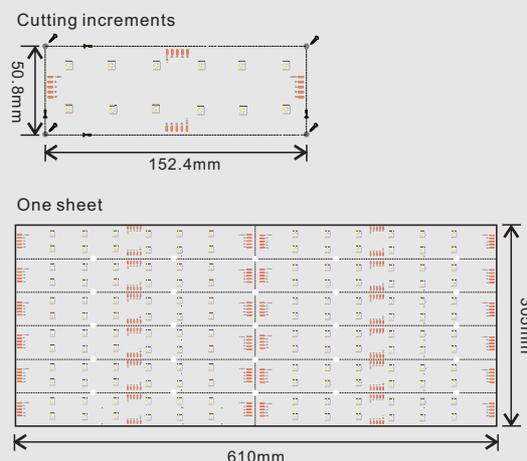
Figure 2.

Suitable Accessories

SCREW FIXING

CONNECTORS

Screw   Power cable with connector
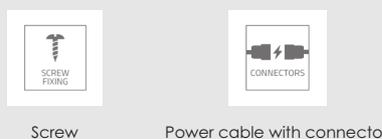
Figure 3.

IP Protection Ratings

IP20   **IP54**

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