

# Pixel SPI series

5050 | 28.8W/m | 20mm

# RGB

p/n: VFL-MC5050-SPXRGB-144-20-24V28



## Features

- 144pcs RGB LED per meter
- Addressable with SPI signal
- External IC Tm1812
- Up to 1,650Lm per meter
- 20mm width PCB for linear light
- Durable, flexible and low profile
- Double sided 3M tape mounting



## Electrical Data

Voltage	24V DC
Wattage per meter	<b>28.8W</b>
Current per meter	1.2A/24V

## LED Data

LED type	<b>SMD 5050</b>
Manufacturer	San'an
Chips per meter	144

## Photometric Data

Color temperature	RGB
Color rendering index Ra	-
Luminous flux per meter	RGB: 1,650 lm
Luminous efficacy	57 lm/W RGB
Beam angle	120°
Dimmable	0~100%

## Construction / Protection

Quantity of IC per meter	24 pcs
IC code	Tm1812
Mounting	Double sided tape 3M
IP rating	See figure 3.
Operating temperature	-20 ~ +50 C°
Storage temperature	-20 ~ +70 C°

## Dimensions

Cutting increments	41.6mm
	See figure 1.
Length	5,000 mm
Width	20 mm
Height	2,2 mm

## Lifetime

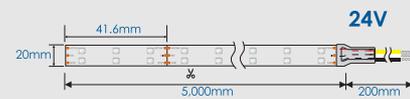
Lifespan	>54,000 hours
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Testing environment temperature = 25 C°



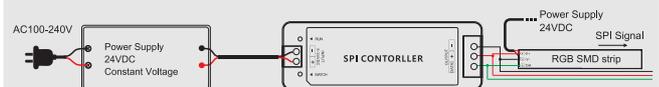
**Figure 1.**

Dimensions & Cutting increments



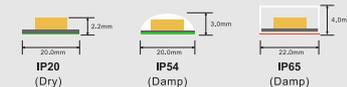
**Figure 2.**

Wiring diagram



**Figure 3.**

IP Protection Ratings



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