

Pixel series

5050 | 8W/m | 12mm

p/n: VFL-MC5050-DPXRGB-60-12-24V08

RGB



Features

- 60x RGB LED per meter
- RGB pixel color-changing light strip
- Control protocol DMX512, and IC type UCS512CL
- 10 pixels per meter
- Durable, flexible and low profile
- Double sided 3M tape mounting



Electrical Data

| | |
|-------------------|----------|
| Voltage | 24V DC |
| Wattage per meter | 8W |
| Current per meter | 0.3A/24V |

LED Data

| | |
|-----------------------|----------|
| LED type | SMD 5050 |
| LED Chip manufacturer | San'an |
| Chips per meter | 60 |

Photometric Data

| | |
|--------------------------|-------------|
| Color temperature | RGB |
| Color rendering index Ra | - |
| Luminous flux per meter | RGB: 240 lm |
| Luminous efficacy | 30 lm/W RGB |
| Beam angle | 120° |
| 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 | 100 mm |
| | See figure 1. |
| Length | 5,000 mm |
| Width | 12 mm |
| Height | 2.2 mm |

Lifetime

| | |
|----------------|---------------|
| Lifespan (L70) | >54,000 hours |
|----------------|---------------|

Testing environment temperature = 25 C°



Figure 1.

Dimensions & Cutting increments

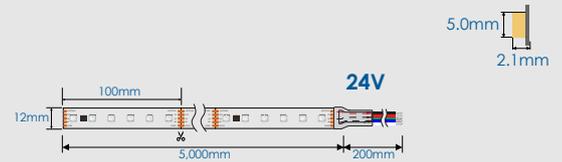


Figure 2.

Suitable Accessories

Connector-IP20



Code: MN-FC-5P-12
Feeding connector with 5-wire cable 150mm



Code: MN-JC-5P-12
Joint connector with 5-wire cable 150mm



Code: MN-MC-5P-12
Middle connector

Profile



Surface-Mount
Code: VL-SF1709



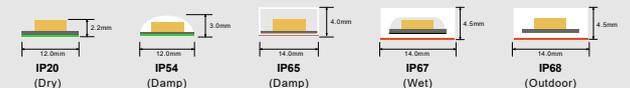
Recessed-Mount
Code: VL-RC2309



Corner-Mount
Code: VL-TR2020

Figure 3.

IP Protection Ratings



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