

Product Specification Sheet

Product Identification

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|--------------|------------------------------------|
| Product Name | StripTec RGB LED Strip 5050 Series |
| Model / SKU | ST-12WRGB-20 |
| Type | RGB LED Strip Light (Flexible) |
| IP Rating | IP20 (Indoor, dry use) |

Electrical & Photometric Characteristics

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|-------------------|-----------------------------|
| Nominal Voltage | 24 V DC |
| Power Consumption | 12 W per metre |
| LED Density | 60 LEDs per metre |
| Beam Angle | 120° |
| CRI | 80 (some specs list CRI 90) |

Mechanical & Physical Details

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|-------------------|-----------------------|
| PCB Width | 10 mm |
| PCB Type / Weight | Flexible PCB, 2 oz |
| Product Height | ≈ 2 mm |
| Cut-Points | Every 100 mm |
| Length Options | 5 m, 10 m, 50 m reels |

Performance & Operating Conditions

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|-----------------------------|--------------------------|
| Operating Temperature Range | -20 °C to +45 °C |
| Max Run Length | 10 metres (at full load) |
| Maximum Wattage at Max Run | ~120 W |

Additional Features & Compatibility

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|-----------------------|---|
| Dimmability | Yes — compatible with PWM, RF, Bluetooth, 0-10V, Triac, DALI, DMX, WiFi controllers |
| Self-Adhesive Backing | 3M-300LSE adhesive strip |
| Bend Direction | Vertical |
| Warranty | 3 years |

Usage & Installation Notes

- Best suited for indoor dry environments due to IP20 rating.
- Recommended to mount in an aluminium profile for protection and heat dissipation.
- Cut only at indicated cut-points (100 mm intervals) to maintain correct operation.

Summary

The StripTec IP20 24V 5050 RGB LED Strip (12 W/m) is a high-output, flexible, colour-changing LED strip, suitable for commercial or decorative indoor lighting. With 60 LEDs per metre, dimming compatibility across multiple protocols, and a 3-year warranty, it offers a versatile solution for accent, cove, or architectural lighting applications.