

# 9C Series – Datasheet

High quality 24V constant voltage white LED strip



The ENTTEC 9C Series is a professional grade 24V constant voltage LED strip with 120 LEDs per metre, engineered for architectural and entertainment lighting. It delivers uniform, high-quality white light on a large scale with precision and consistency.

Available in low (9CL), medium (9CM), high (9CH), and ultra (9CU) output options, the 9C Series gives you the flexibility to match the exact lumen requirements of any project. Each variant is offered in three colour temperatures: 6000K, 4000K, and 3000K, ensuring the perfect fit for any lighting environment. For even greater control, colour-temperature adjustable option 9CY is also available to fine-tune the ambience.

The strips can be cut and joined to create virtually any shape or layout.

At ENTTEC, manufacturing quality and attention to detail are paramount. Each strip is built on a thicker substrate for enhanced durability, improved heat dissipation, and reduced voltage drop—outperforming standard LED strips on the market.

## Features

- 24V DC constant voltage
- High quality LEDs with 2 step binning for maximum colour consistency and longevity
- 11mm wide white LED tape
- 10 metres length per reel
- 120 LEDs per meter
- LEDs dimmable by ENTTEC CVC4
- Can be cut and joined together
- Minimum cut length 50mm (except for 9CY)
- Input and output connections (loose cable)
- IP20 Indoor use only

Product	9CL	9CM	9CH	9CU	9CY
Input Voltage (VCC)	+24 VDC				
Power Consumption (Watt/m)	6.4	9.6	14.64	20.4	WW: 7.44 CW: 7.48
Current Consumption (Amp/m)	0.27A	0.4A	0.61A	0.85A	0.4A
Output Luminance (LM/m)	562	840	1385	1704	488 (3000K) 570 (5500K)
Max Continuous Operating Length (m)*	17m	13m	9m	6m	9.2m
Cutting length (mm)	50mm	50mm	50mm	50mm	100mm

\*Please Note: The maximum continuous operating length is measured with a single 24V power supply and it only injects power to one end of the product. At any point of maximum continuous operating length, the light intensity remains the same.

## Specification

Connection (In/Out)	2* solder tabs
IP Rating	IP20
Input Voltage	24V
LED Quantity	120pcs/metre
Colour Temperature (3 variants)	6000K/4000K/3000K
CRI (Ra)	>90 <sup>1</sup>
R9	>50
Beam Angle	120°
PCB Colour	White
LED Strip Width	11mm / 0.43"
Environmental Operating Temperature	0°C to 50°C 32°F to 122°F
Environmental Operating Humidity	5- 95% (non-condensing)
Weight (10m roll)	0.25kg / 0.55lbs
Shipping Weight (10m roll)	0.30kg / 0.66lbs
Shipping Dimensions (10m roll)	250*250*30mm 9.84*9.84*1.18"
LED Lifetime (L70)	>36,000 hours
Warranty	1 year return to base manufacturer warranty

1) Tolerance of Colour Rendering INDEX: ±2

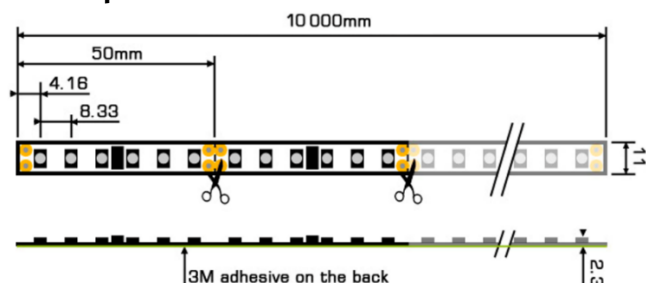
## Power & Connections

- +24V: 24VDC
- GND: Ground

To run longer continuous lengths, power must be re-injected at every max continuous operating length. This will mitigate expected voltage drop.

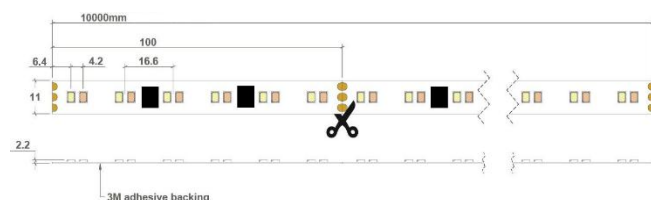
## Physical Dimension

All except for 9CY



Strip is cuttable every 50mm

9CY



Strip is cuttable every 100mm

## Certification



## Box Content

- 1\* 10m 9C LED strip
- 1\* 2 core bare end cable  
(3A max, only for testing purpose)

## Safety

- Do not exceed the rated 24V DC power supply. Ensure all cabling is rated to handle the current of each section.
- Make all connections and ensure your installation is appropriately fused before powering it.
- LED strips produce heat; ensure proper thermal management by attaching to a thermally conductive surface.
- This product is intended for indoor use only. Do not expose to moisture, doing so will void the warranty.

## Ordering Information

For further support and to browse ENTTEC's range of products visit the ENTTEC website.

Item	SKU
Cool White (6000K) Standard Output, 10m	9CL1
Neutral White (4000K) Standard Output, 10m	9CL2
Warm White (3000K) Standard Output, 10m	9CL3
Cool White (6000K) Medium Output, 10m	9CM1
Neutral White (4000K) Medium Output, 10m	9CM2
Warm White (3000K) Medium Output, 10m	9CM3
Candle (2200K) Medium Output, 10m	9CM4
Cool White (6000K) High Output, 10m	9CH1
Neutral White (4000K) High Output, 10m	9CH2
Warm White (3000K) High Output, 10m	9CH3
Cool White (6000K) Ultra High Output, 10m	9CU1
Neutral White (4000K) Ultra High Output, 10m	9CU2
Warm White (3000K) Ultra High Output, 10m	9CU3
Colour Temperature Adjustable Strip (3000k-5500K), 10m	9CY

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Due to constant innovation, information within this document is subject to change.