



# 9CH – Datasheet

High quality 24V White constant voltage LED strip



ENTTEC 9CH is a 24V, 120 LED per meter constant voltage LED strip designed for professional architectural and entertainment purposes, used to display saturated colors on a large scale.

Cut and join into any conceivable shape.

At ENTTEC, manufacturing quality and attention to detail is paramount. We always use thicker substrates to offer more durability, better heat dissipation and reduced voltage drop when compared to other standard LED strips available on the market. This in combination with the 24v operating voltage allows up to 9m before requiring power injection.

9CH is available in 3 different colour temperature – 6000k/4000k/3000k.

## Features

- High quality LEDs with 2 step binning for maximum colour consistency and longevity
- 10m total length
- 120pcs White LEDs per meter
- High light output
- LEDs Dimmable by ENTTEC CVC4
- Can be joined together
- Can be cut to a smaller length
- Minimum cut length 50mm
- Input and output connections (loose cable)
- Constant Voltage control
- IP20 Indoor use only
- Constant current control, consistent brightness along the full length

## Specification

Connection (In/Out)	2* solder tabs
IP rating	IP20
Input voltage	24V
Current consumption (max)	0.61A / mtr
LED quantity	120pcs / mtr
Watts/meter (max)	14.6
Lumens/meter (max)	1385
Color temperature (3 variants)	6000K/4000K/3000K
CRI (Ra)	>90 <sup>1</sup>
R9	>50
Beam angle	120°
PCB Color	White
Led strip width	11mm / 0.43"
Spacing between cuttable sections	50mm / 1.97"
Environmental operating temperature	-20°C to 45°C -4°F to 113°F cel
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"
Warranty	1 year return to base manufacturer warranty

1) Tolerance of Color Rendering INDEX: ±2

## Power & Connections

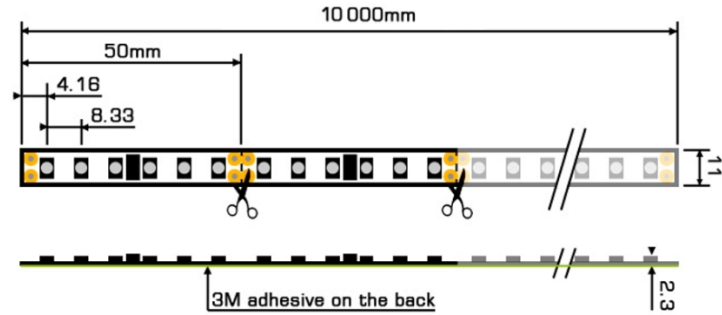
■ +24V: 24VDC	■ GND: Ground
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To run longer continuous lengths, power must be re-injected at every 9m. This will mitigate expected voltage drop.

## Certification



## Physical Dimension



Strip is cuttable every 50mm

## Box contents

- 1\* 10m 9CH 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) 10m LED strip	9CH1-10
Natural White (4000K) 10m LED strip	9CH2-10
Warm White (3000K) 10m LED strip	9CH3-10

# enttec.com

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