Madrid – 120V RGBW LED Installation

BEULUX

IP65

No driver needed

Mounting Clip

CRI 90+ · ETL LISTED · RoHS

maximum 164 ft

1.97"

0.90"

1' cut increment = 60 LEDs

Compatible Accessories

Extrusion + Lens + End Cap

1.41"

1.22"

1.38"

End Cap
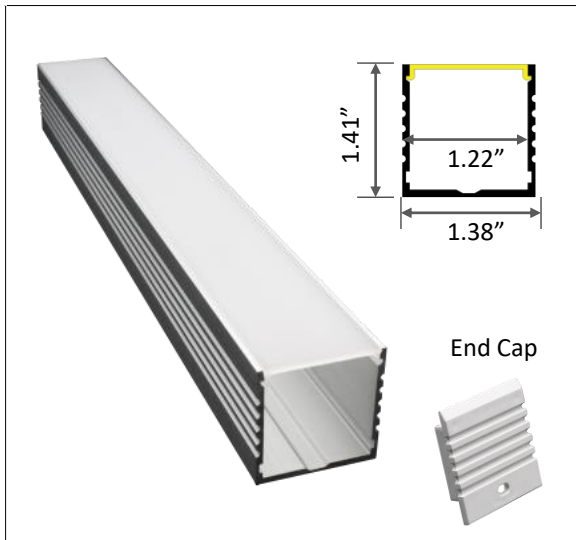
JK02 + JK02-SL + JK02-EC

Compatible Control System

DMX Decoder

DDMX4C-120V

DMX Controller

CDMX4C

DMX Controller

CDMX128C

DMX Controller

CDMX1024C

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Warnings ⚠️

Do not bend at sharp 90°

Minimum bending diameter > 4"

$\varnothing > 4"$
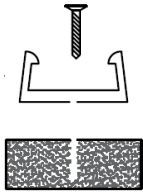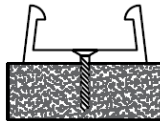
Only use flat head screw

✓ ✗
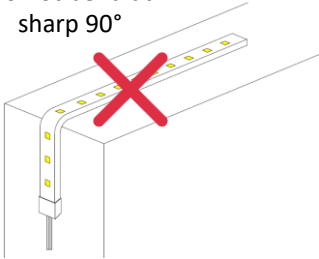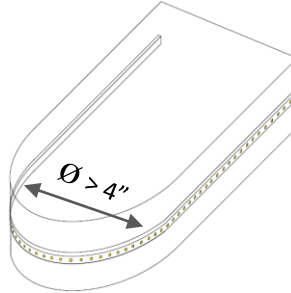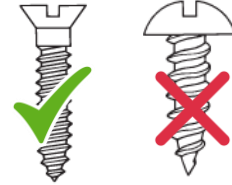
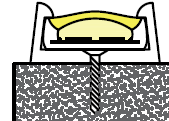## Installation: 120V RGBW Tapelight + Mounting Clip
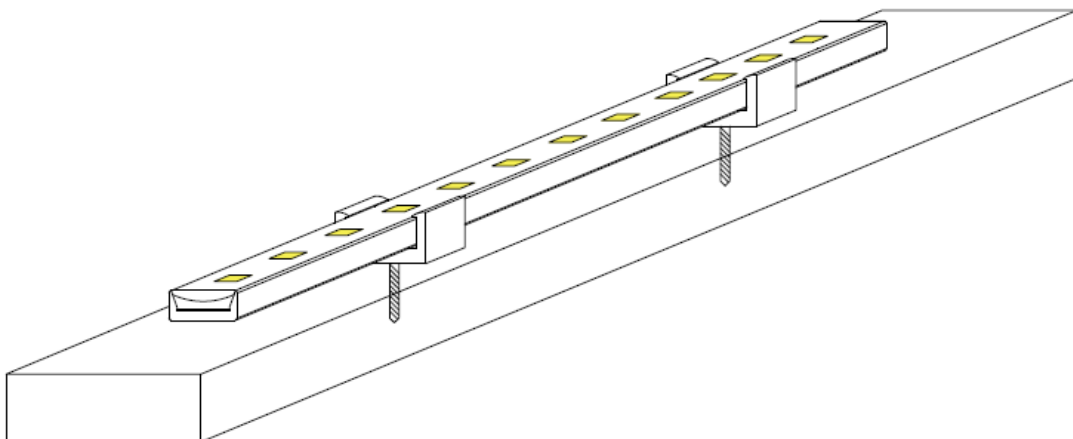
❶
Insert flat head screw into mounting clip

❷
Screw mounting clip to surface

❸
Secure 120V RGBW tapelight into mounting clip

Madrid – 120V RGBW LED Installation

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Warnings ⚠️

Do not bend at sharp 90°

Minimum bending diameter > 4"

$\varnothing > 4"$

Only use flat head screw

✓ ✗
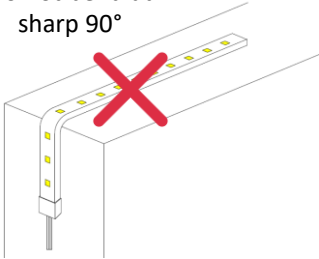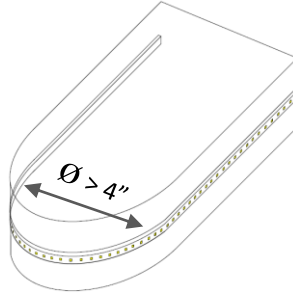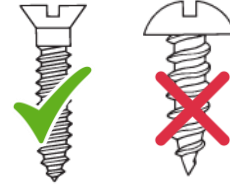
Installation: 120V RGBW Tapelight + Extrusion + Lens

❶
Use flat head screw to screw extrusion onto surface

❷
Secure 120V RGBW tapelight inside extrusion

❸
Snap lens on top of extrusion

❹
Adhere end caps on both sides of extrusion

LED Tapelight 120V

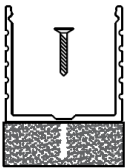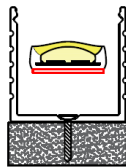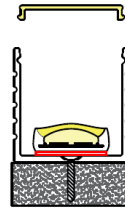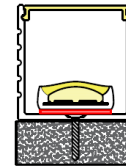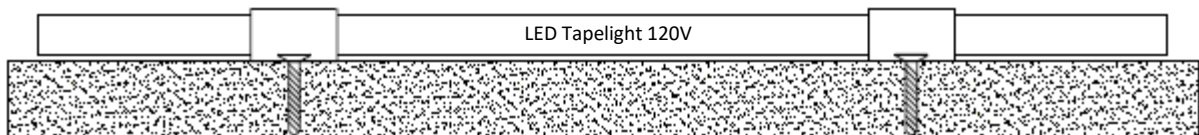## DMX/RDM 120V / Line Voltage LED Tape Controller (DDMX4C-120V)

Important: *Read All Instructions Prior to Installation*
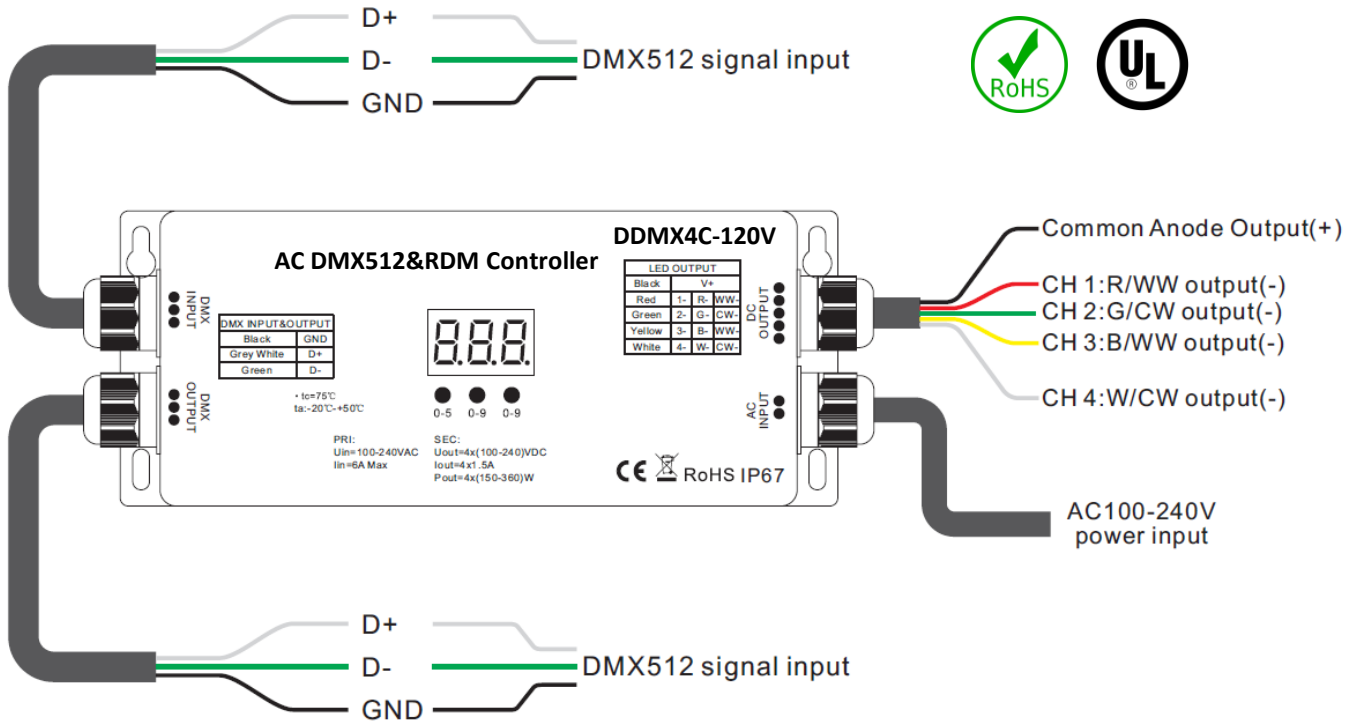
Input Voltage	Output Voltage	Output Current	Max Load	Size (L x W x H)	Ambient Temp.
AC 100-240V	DC 100-240V	Max. 4 x 1.5A	720W @ 120V	7.11" x 2.9" x 1.5"	-4°F to +122°F

- RDM enabled DMX high voltage LED strip controller
- Output for high voltage DC100~240V LED Strip
- Standard DMX512 compliant control interface
- RDM function enabled to realize intercommunication between DMX master and decoder.
- For example, DMX decoder's address can be assigned by DMX master console
- With digital display showing data directly, it is easy to set and show DMX address.
- Total 4 channels LED output, common anode
- DMX address manually settable
- DMX channel quantity from 1CH~4CH settable
- Output PWM frequency from 500HZ ~ 35K HZ settable, but do not set higher than 3KHz.
- Output dimming curve gamma value from 0.1 ~ 9.9 settable
- Waterproof grade:IP67

Safety & Warnings
- DO NOT install with power applied to device.
- This device is IP67 rated and protected against damp environment.

120V RGBW Decoder Operation
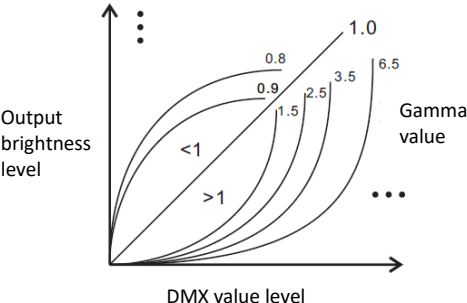
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DMX/RDM 120V / Line Voltage LED Tape Decoder (DDMX4C-120V)

Important: Read All Instructions Prior to Installation

Operation

8.8.8. ● ● ● A B C	To set desired DMX512 address through buttons ▪ **button A** is to set "hundreds" position, ▪ **button B** is to set "tens" position, ▪ **button C** is to set "unit" position.
0.0.1	**Set DMX address (Factory default DMX address is 001)** Press and hold down any of the 3 buttons for over 3 seconds, digital display flashes to enter into address setting, then keep short pressing button A to set "hundreds" position, button B to set "tens" position, button C to set "units" position, then press and hold down any button for >3 seconds to confirm the setting.
4.C.H.	DMX signal indicator ● : When DMX signal input is detected, the indicator on the display following after the digit of "hundreds" position of DMX address turns on red **0.0.1**
P.F.1	**Choose DMX Channel** Press and hold down both buttons B+C simultaneously for over 3 seconds, CH digital display flashes, then keep short pressing button A to choose 1/2/3/4, which means total 1/2/3/4 channels. Press and hold down button A for >3 seconds to confirm the setting. Factory default is 4 DMX channels. **(Factory default DMX channel is 4CH)** For example, the DMX address is already set as 001. ▪ 1CH=1 DMX address for all the output channels, which all will be address 001. ▪ 2CH=2 DMX addresses , output 1&3 will be address 001, output 2&4 will be address 002 ▪ 3CH=3 DMX addresses, output 1, 2 will be address 001, 002 respectively, output 3&4 will be address 003 ▪ 4CH=4 DMX addresses, output 1, 2, 3, 4 will be address 001, 002, 003, 004 respectively
9.1.0.	**Choose PWM frequency (Factory default PWM frequency is PF1 1KHz)** Press and hold down both buttons A+B simultaneously for over 3 seconds, digital display will show PF1, PF means output PWM frequency, the digit 1 will flash, which means frequency, then keep short pressing button C to select a frequency from 0-9 and A-J, which stand for following frequencies: 0=500Hz, 1=1KHz, 2=2KHz, ..., 9=9KHz, A=10KHz, B=12KHz, C=14KHz, D=16KHz, E=18KHz, F=20KHz, H=25KHz, J=35KHz. Then press and hold down button C for >3 seconds to confirm the setting. **Note: DO NOT set the PWM frequency higher than 3KHz to avoid overheat and damage to the device.**
	Choose Dimming Curve Gamma Value Press and hold down all buttons A+B+C simultaneously for over 3 seconds, digital display flashes g1.0, 1.0 means the dimming curve gamma value, the value is selectable from 0.1-9.9, then keep short pressing button B and button C to select corresponding digits, then press and hold down both buttons B+C for >3 seconds to confirm the setting.

120V RGBW Decoder Wiring Diagram

DMX/RDM 120V / Line Voltage LED Tape Decoder (DDMX4C-120V)

Wiring Diagram

Restore to Factory Default Setting

Press and hold down both buttons A+C for over 3 seconds until the digital display turns off and then turns on again, all settings will be restored to factory default. Default settings are as follows:

- DMX address: 001
- DMS address quantity: 4CH
- PWM frequency: PF1
- Gamma: g1.0
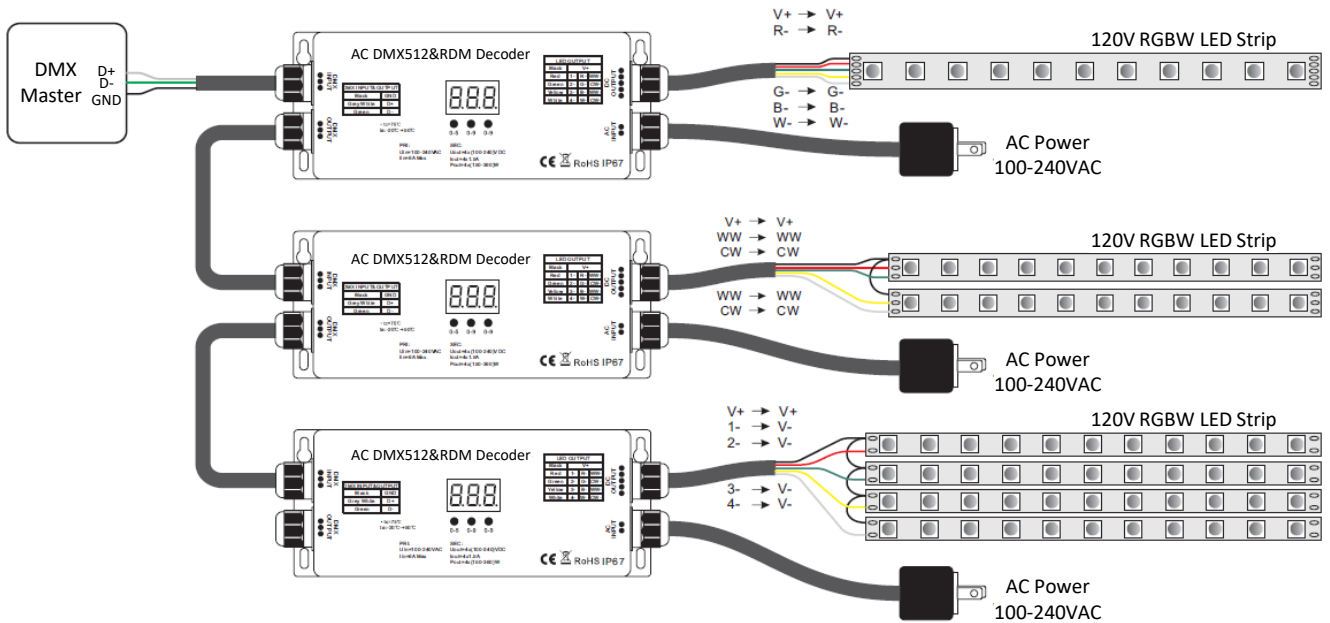
Product Dimension

CDMX4C Spec Data

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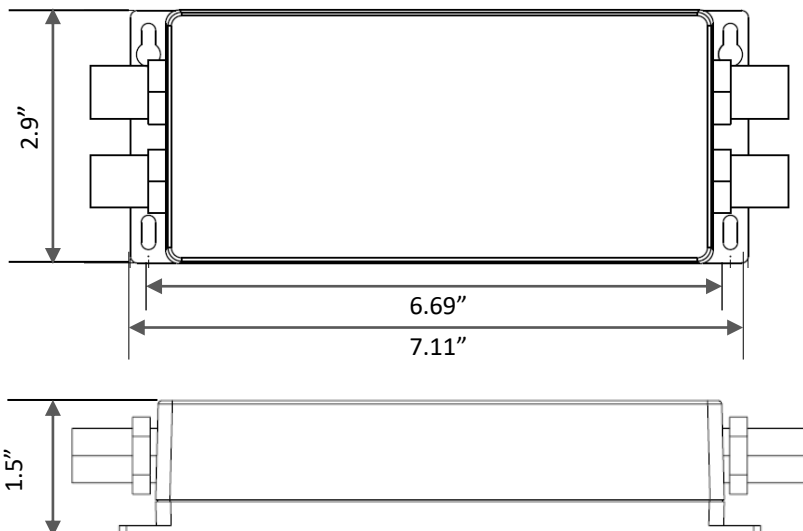
Feature

- Touch Sensitive
- Glass interface
- Control 1 zone, save up to 4 color

Operation Voltage	Output Voltage	Dimension
12-24VDC	DMX512 Signal	3.38" x 3.38" x 1.15"

3.38"

3.38"

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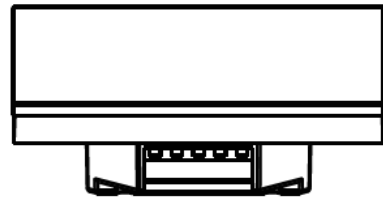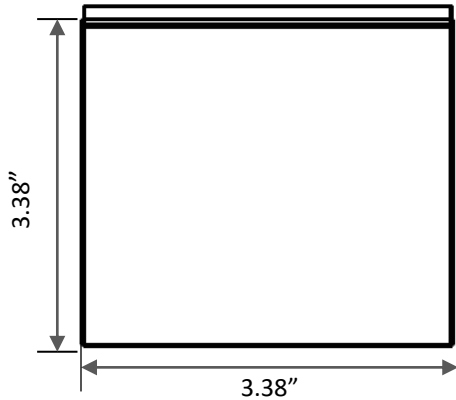
Feature

- Touch sensitive
- Glass interface(White & Black)
- Control 1 zone,save up to 4 color

FC CE RoHS COMPLIANT warranty 5 years UL TUV

Parameter

Part No.	Operation Voltage	OUTPUT	DIMENSIONS ø/h (mm)
SR-2812B	12-24VDC	DMX512 Signal	86x86x29.1

Product Size

Installation

CDMX4C Spec Data

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Button introduction

Save Color:
Long Touch S1/S2/S3/S4 to save your favorite colors

Color Wheel:
Touch to choose color

Brightness

Switch: Short touch to switch on/off

Color Running Button:
Short touch to start or Pause color running mode;
Long touch to adjust speed (10 built-in color running mode)

S1   S2   S3   S4

R   G   B   W

Short touch to choose the color R.G.B.W
Long touch to dim brightness of R.G.B.W

Wiring diagram

110V-230VAC

Power Supply
12-24VDC

SR-2812B

Power Supply
12-36VDC

110V-230VAC

SR-2102B
DMX512 Decoder

SR-2102B
DMX512 Decoder

SR-2102B
DMX512 Decoder

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Operation:

How to save color or mode

S1 S2 S3 S4 buttons can save the color from mode or save color when you touch color wheel or touch R G B W buttons.

Press ▶ button ,mode runs, see favorite mode---> press S1 or S2 or S3 or S4 on over 3 seconds until connected light flashes. Then it saved successfully.

Touch color wheel or touch color temperature button or touch any R G B W buttons----> see favorite color---> press button over 3 seconds until connected light flashes. Then it saved successfully

How to recall color or mode?
Touch S1/S2/S3/S4 directly.

Safety Warnings:

1) The product shall be installed and serviced by a qualified person.
2) IP20.Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a waterproof enclosure.
3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
6) Please ensure that the cable is secured tightly in the connector
7) For update information please consult your supplier.

Warranty Agreement:

1) We provide lifelong technical assistance with this product:
   - 5-year warranty. We print date on every products, for example :1125 means year 2011,week 25.The warranty is for free repair or replacement and covers manufacturing faults only.
   - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
2) Limited Warranty
   - Any defects caused by wrong operation.
   - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
   - Any damages due to transportation, vibration etc. after purchase.
   - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
   - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
   - Product has been updated
3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.