Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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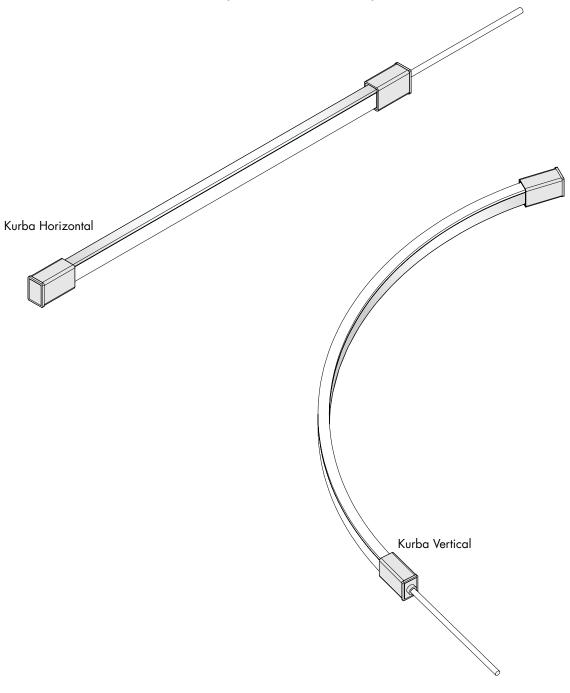
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info@luminii.com

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- 2. USE ONLY WITH CLASS 2 POWER UNIT
- 3. 24 VOLTS DC
- 4. SUITABLE FOR WET LOCATIONS, SAUNA, POOL RATED
- 5. POOL-RATED KURBA SHOULD BE INSTALLED WITH ARTICLE 680 OF NFPA 70, "NATIONAL ELECTRICAL CODE" (NEC)
- 6. NO ADHESIVE ALLOWED TO AFFIX THE PRODUCT

Please read all instructions prior to installation and keep for future reference!



Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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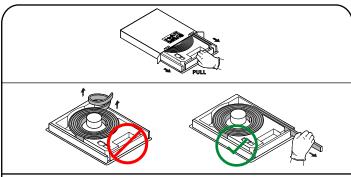


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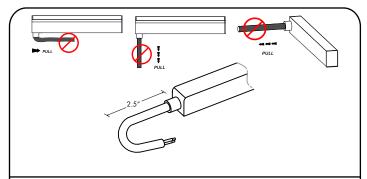
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CAUTION: Reference to below before installing Kurba

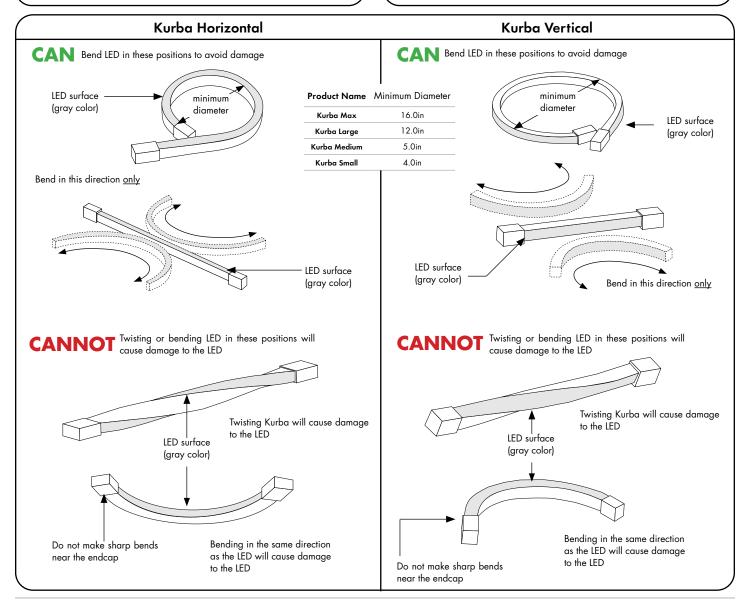


When unpacking Kurba, carefully pull it out of the packaging box.

Note: Incorrect unpacking may cause PCB fracture or damage on electronic components, and lead to the failure of light. Gloves are recommended in third step



Do not pull the cable, otherwise it may disable the function of the connector and lead to water ingression. It's recommended to keep the first 2.5 inches of the cable straight and without tension.



Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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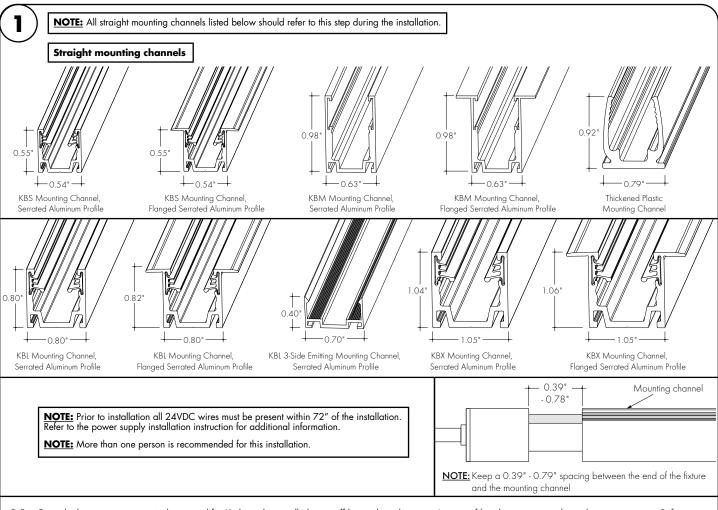
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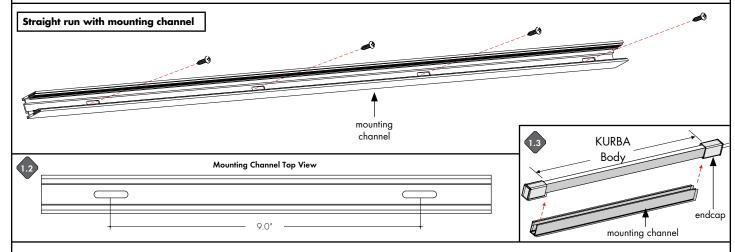
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Once the location or pattern is determined for Kurba to be installed, start off by marking the area. Amount of brackets may vary dependant upon pattern. Reference diagrams below.



- 1.2 Drill holes into the surface 9" apart from each other, followed by placing the mounting channel to the surface. Make sure its straight by using a level.
- 1.3 Secure channel to the surface by tightening all the provided screws. If mounting to something other than wood, we recommend using the proper hardware.

Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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Mounting brackets

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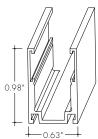
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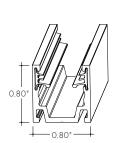




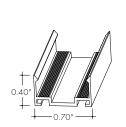
KBS Mounting Channel,



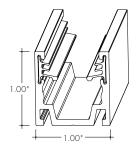
KBM Mounting Channel,



KBL Mounting Channel,



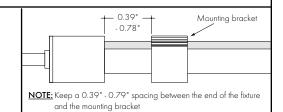
KBL 3-Side Emitting Mounting Channel,



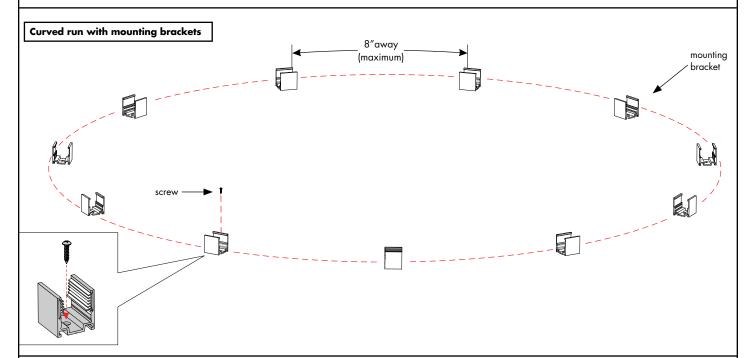
KBX Mounting Channel,

NOTE: Prior to installation all 24VDC wires must be present within 72" of the installation. Refer to the power supply installation instruction for additional information.

NOTE: More than one person is recommended for this installation.



2.1 Once the location or pattern is determined for Kurba to be installed, start off by marking the area. Amount of brackets may vary dependant upon pattern. Reference diagrams below.



- 2.2 Determine the shape of the Kurba layout, then mark thel pattern onto the surface. Then, place a mounting bracket every 8"(minimum). The pattern may vary dependant upon the amount of curves.
- 2.3 Secure the mounting brackets to the surface by tightening the screw. If mounting to something other than wood, we recommend using the proper hardware.

Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

Please read all instructions prior to installation and keep for future reference!

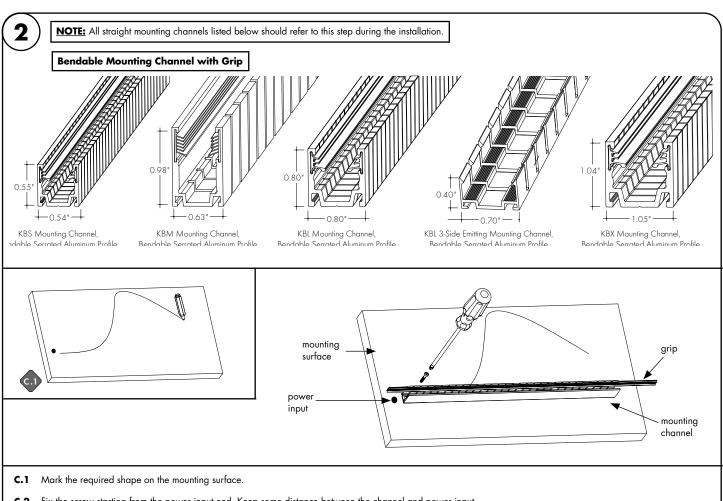
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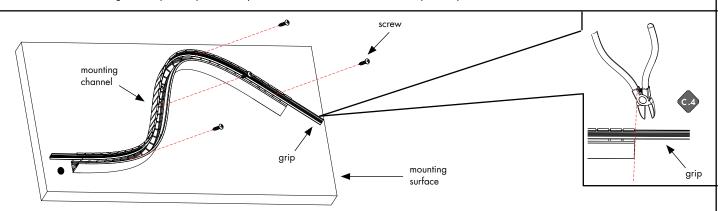
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C.2 Fix the screw starting from the power input end. Keep some distance between the channel and power input.



- **C.3** Fix the rest in sequence along with the marks.
- **C.4** Adjust the serrate silicone tape and remove the extra lengths at both ends.

Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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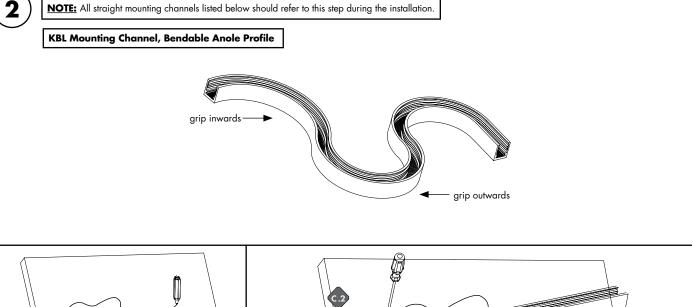
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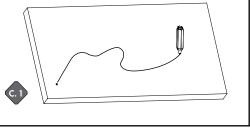
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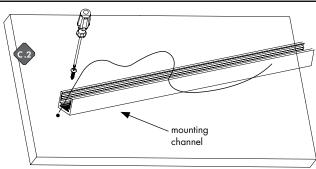
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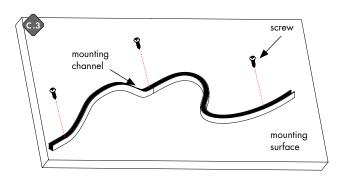
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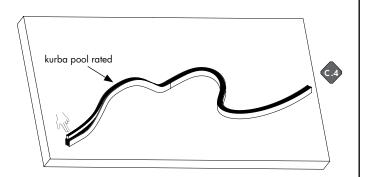






- C.1 Mark the required shape on the mounting surface.
- **C.2** Fix the screw starting from the power input end. Keep some distance between the channel and power input.





- C.3 Secure the channel with screws
- **C.4** Insert kurba to mounting channel.

Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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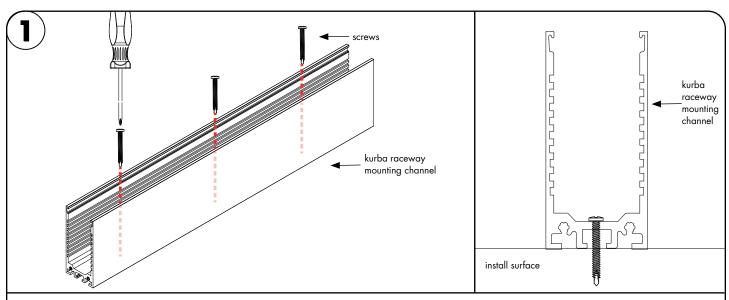
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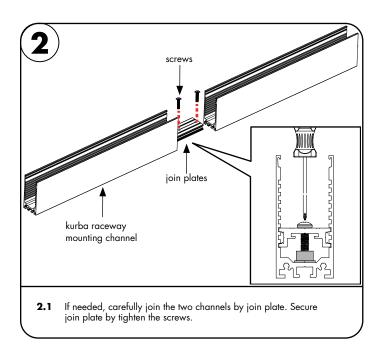
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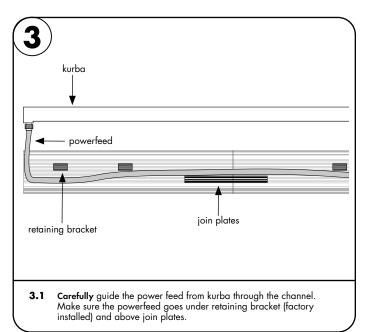
Kurba Raceway Mounting Channel

only applicable to KBM and KBL



1.1 Mark the desinated space prior to install. Drill holes into the surface, followed by placing the mounting channel to the surface. Make sure its straight by using a level. Use screw to secure the channel.





Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

Please read all instructions prior to installation and keep for future reference!

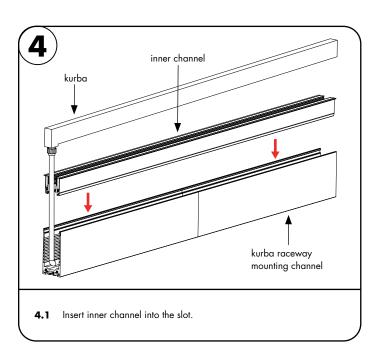
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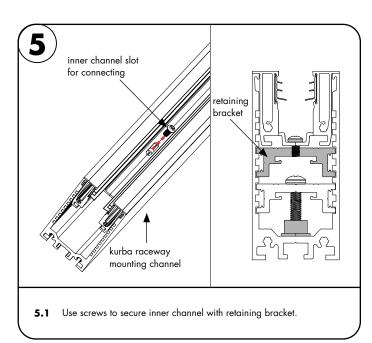


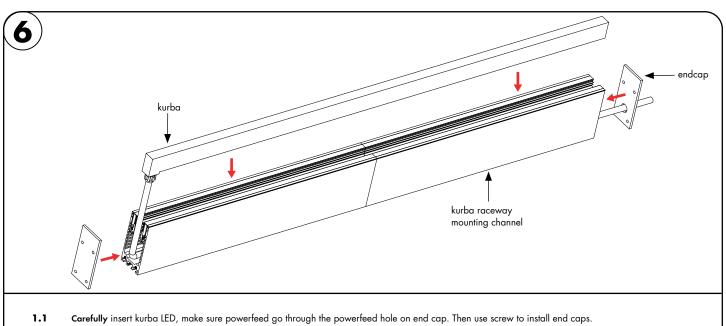
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Kurba Raceway Mounting Channel







Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

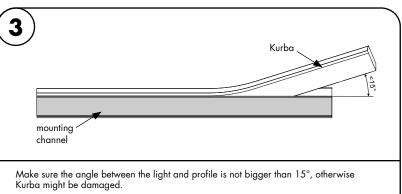
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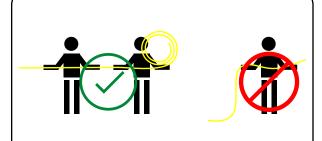
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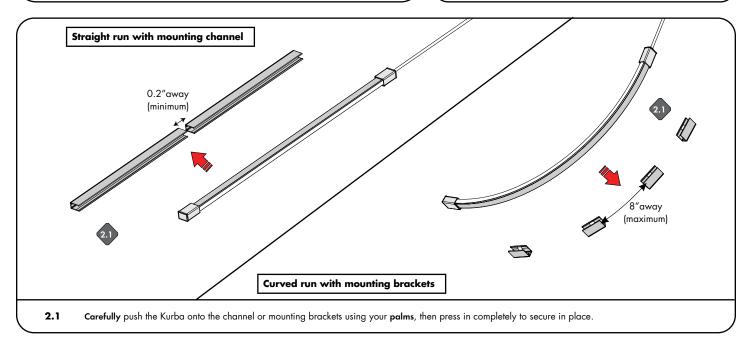


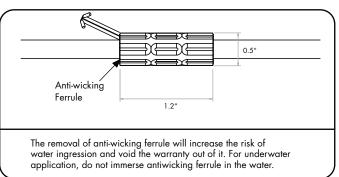


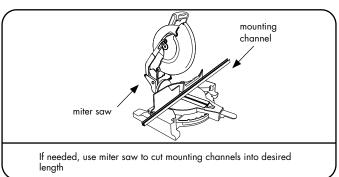
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When light length longer than 6ft, make sure somebody helps to lift the light, in case the heavy weight of light itself generates too small bending angle or twisting, which may damage Kurba.







Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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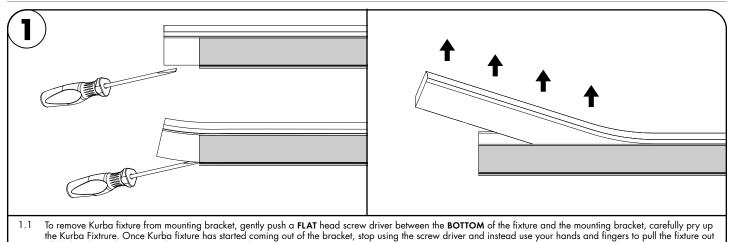
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Removing Kurba from Mounting Brackets



Power Supply Wiring Diagram

of the bracket making sure to keep it at a 15° angle.

Note: Prior to installation all 24VDC wires must be present near fixture. Refer to the power supply installation instructions for additional information.



Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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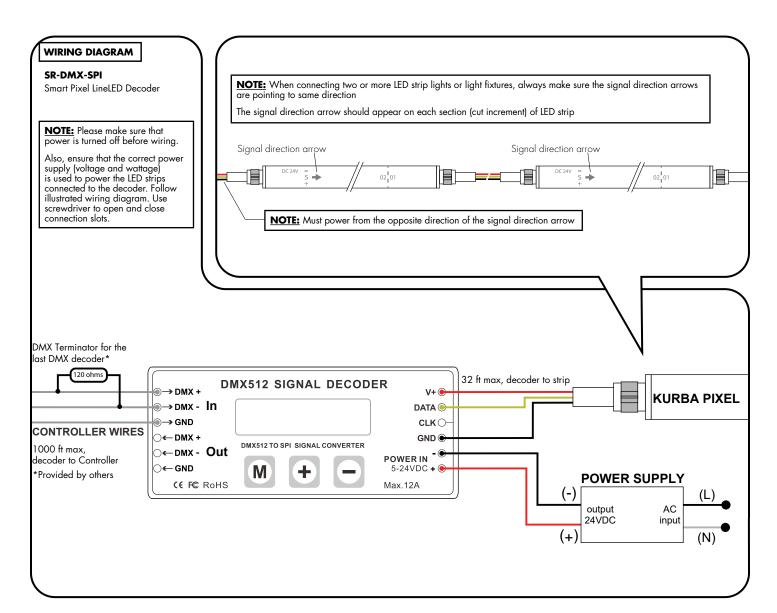
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OPERATING GUIDE

SR-DMX-SPI

Smart Pixel LineLED Decoder

There are three buttons on the decoder.

Parameter Setting



Increase Value

Decrease Value

After operation, if no action was taken within 30s, the button lock, and backlight of the screen will turn off. 1. Long press M button for 5s to unlock the buttons, and the backlight will turn on.

2. Long press M button for 5s to switch between test mode and decode mode after unlocked.

During test mode, the first line of LCD will show: TEST MODE. Use test mode to verify RGBW Pixel functionality. Duirng decoder mode, the first line of LCD shows: DECODER MODE. Use decoder mode when connecting to a Controller and for final installation and customization.

The second line of the LCD Display shows the current setting and value. Note: 1 Pixel = 1 Cut Increment

MODE TABLE

SETTING	LCD DISPLAY	VALUE RANGE	DESCRIPTION	
Built-in Programs	TEST MODE MODE NO.:	1-26	See Program Table below	
Program Speed	TEST MODE RUN SPEED:	0-7	0: fast, 7: slow	
DMX Address	DECODER MODE DMX ADDRESS:	1-512	-512 Address of the starting point/Pixel of a program	
DMX Signal RGB	DECODER MODE DMX RGB SEQ:	RGB, BGR, etc.	N/A	
Pixel Quantity	DECODER MODE PIXEL QTY:	1-170(RGB), 1-128(RGBW)	Number of Pixels to follow a program	
IC TYPE	DECODER MODE IC TYPE:	2903, 8903, 2904, 8904	2903: N/A, 2904: for RGBW, 8903: N/A, 8904: N/A	
Color	DECODER MODE COLOR:	MONO, DUAL, RGB, RGBW	MONO: N/A, DUAL: N/A, RGB: N/A, RGBW: for RGBW	
Pixel Merging / Pixel Size	DECODER MODE PIXEL MERGE:	1-100	Number of Pixels to merge together	
RGB Sequence	DECODER MODE LED RGB SEQ:	RGBW, BGRW, etc.	Sequence of RGBW, 24 possible combinations	
Integral Control	DECODER MODE ALL CONTROL:	YES, NO	Yes: Merge all Pixels No: Maintain individual Pixels or Merged Pixels	
Reverse Control	DECODER MODE REV-CONTROL:	YES, NO	Reverse program order	
Overall Brightness	DECODER MODE BRIGHTNESS:	1-100	1: dimmest setting 100: brightest setting	

NOTE:

When connected to a controller, DMX512 Signal Decoder will stay in "Decoder Mode".

NOTE:

The actual maximum control pixels of the controller are 1360 (2903) ,1024 (2904). Please set the pixel and pixel combination value according to the actual situation, and DO NOT exceed the maximum.

NOTE: For Program Table Change: no fading/dimming between color changes Fade: fade/dim between color changes Chase: change pixel by pixel Chase with Trail: change pixel by pixel with fading between

PROGRAM TABLE

PROGRAM NO.	PROGRAM DESCRIPTION	PROGRAM NO.	PROGRAM DESCRIPTION	PROGRAM NO.	PROGRAM DESCRIPTION
1	Solid color: Red	10	RGB fading	19	Red chasing green, chasing blue
2	Solid color: Green	11	Full color fading		Orange chasing purple, chasing cyan
3	Solid color: Blue	12	Red chase with trail	20	
4	Solid color: Yellow	13	Green chase with trail	21	Rainbow chase (7 colors)
5	Solid color: Purple	14	Blue chase with trail	22	Random twinkle: white over red
6	Solid color: Cyan	15	White chase with trail	23	Random twinkle: white over green
7	Solid color: White	16	RGB chase with trail	24	Random twinkle: white over blue
8	RGB change	17	Rainbow chase with trail	25	White fading
9	Full color change	18	RGB chasing and fading	26	Off