Installation	Instructions	- Kurba
--------------	--------------	---------

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!

1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.

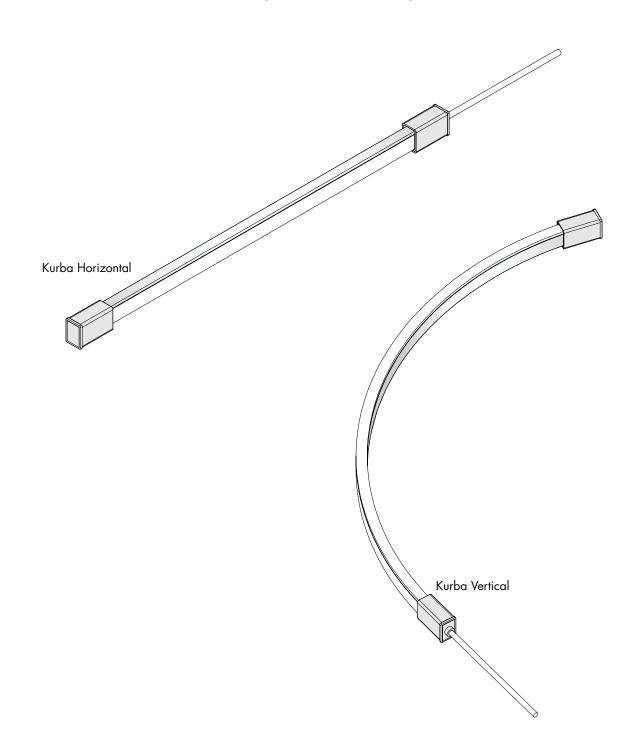
- 2. USE ONLY WITH CLASS 2 POWER UNIT
- 3. 24 VOLTS DC
- 4. SUITABLE FOR WET LOCATIONS, SAUNA, POOL RATED
- 5. POOL:RATED KURBA SHOULD BE INSTALLED WITH ARTICLE 680 OF NFPA 70, "NATIONAL ELECTRICAL CODE" (NEC)
 6. NO ADHESIVE ALLOWED TO AFFIX THE PRODUCT



www.luminii.com

1 / 12

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

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

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

7777 Merrimac Ave Niles, IL 60714 T 224.333.6033 F 224.757.7557 info@luminii.com www.luminii.com

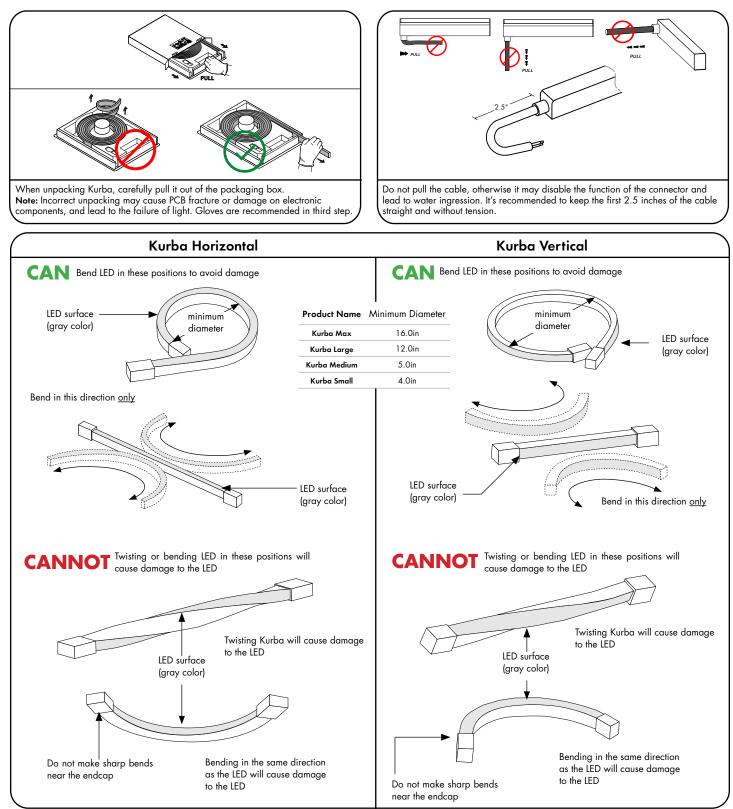
🎝 🗤 🚺 🖉

REVO.6

04182025

2 / 12

CAUTION: Reference to below before installing Kurba



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!

- 1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.
- 2. USE ONLY WITH CLASS 2 POWER UNIT
- 3. 24 VOLTS DC
- 4. SUITABLE FOR WET LOCATIONS, SAUNA, POOL RATED
- 🐏 🛄 umir 7777 Merrimac Ave REVO.6 5. POOL-RATED KURBA SHOULD BE INSTALLED WITH ARTICLE 680 04182025 OF NFPA 70, "NATIONAL ELECTRICAL CODE" (NEC) 6. NO ADHESIVE ALLOWED TO AFFIX THE PRODUCT

3 / 12

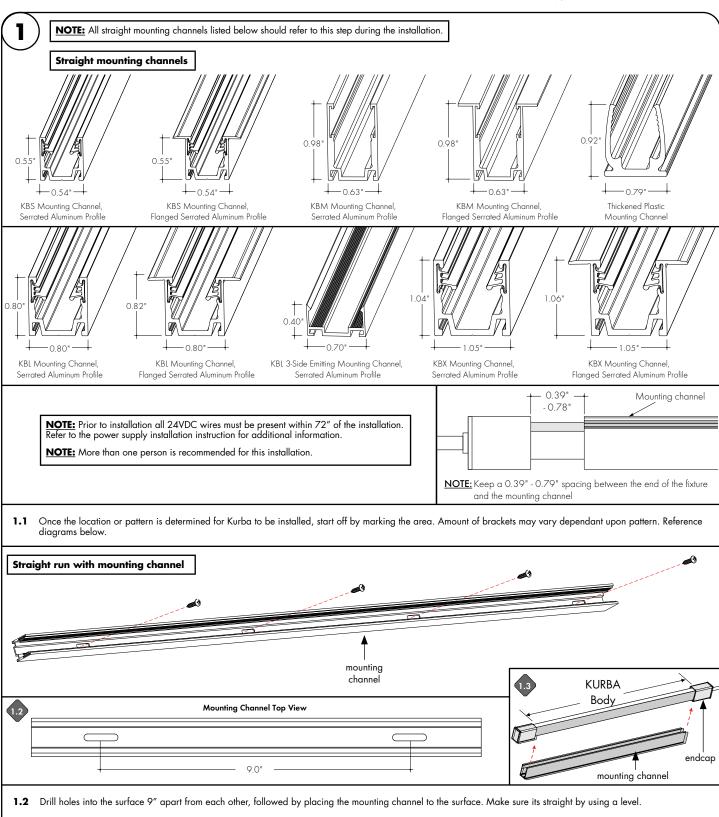
Niles, IL 60714

T 224.333.6033

F 224.757.7557

info@luminii.com

www.luminii.com



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

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

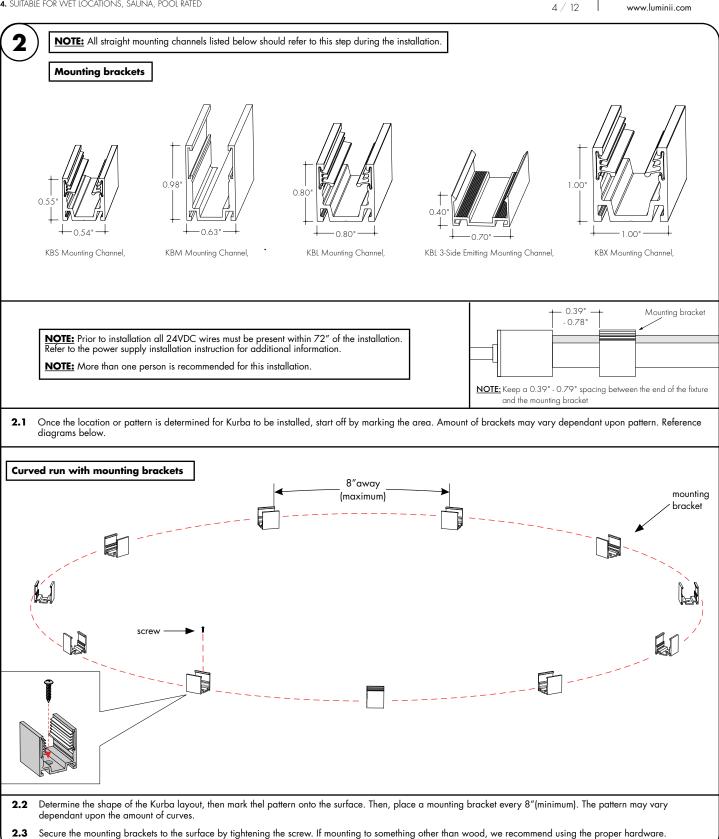
- 1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.
- 2. USE ONLY WITH CLASS 2 POWER UNIT
- 3. 24 VOLTS DC
- 4. SUITABLE FOR WET LOCATIONS, SAUNA, POOL RATED
- 5. POOL-RATED KURBA SHOULD BE INSTALLED WITH ARTICLE 680 OF NFPA 70, "NATIONAL ELECTRICAL CODE" (NEC)

6. NO ADHESIVE ALLOWED TO AFFIX THE PRODUCT



04182025

F 224.757.7557 info@luminii.com www.luminii.com



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!

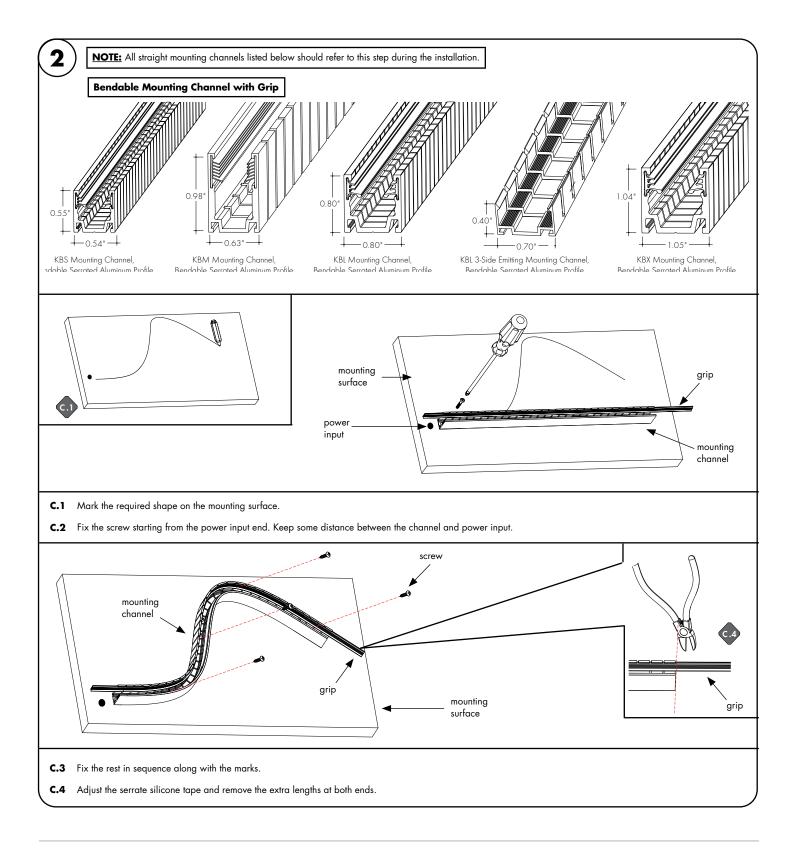
1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.

- 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



5 / 12

F 224.757.7557 info@luminii.com www.luminii.com



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!

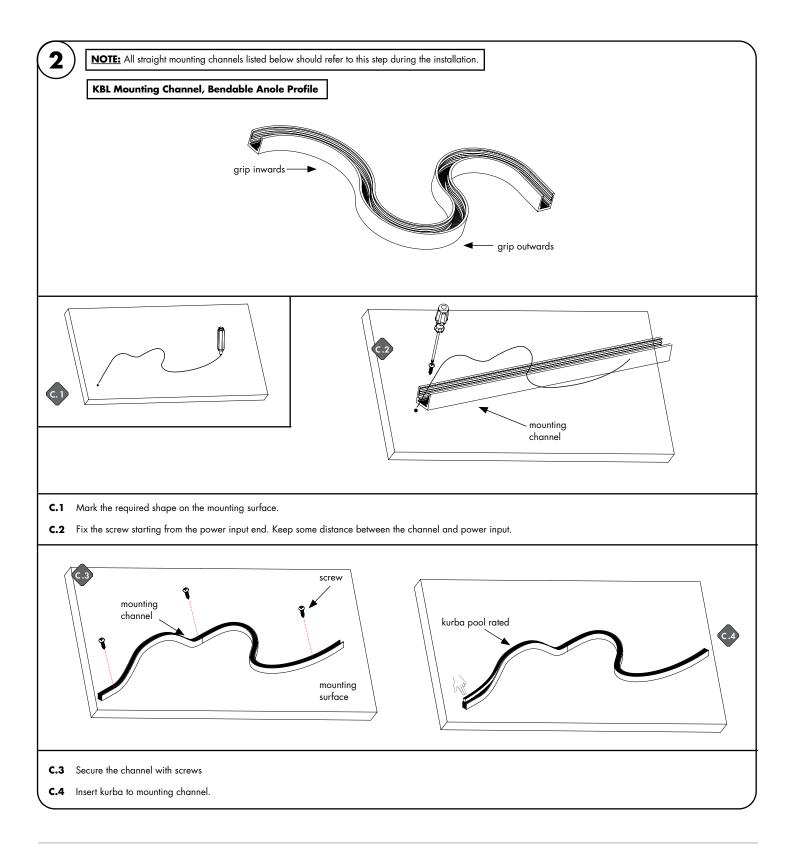
1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.

- 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



6 / 12

F 224.757.7557 info@luminii.com www.luminii.com



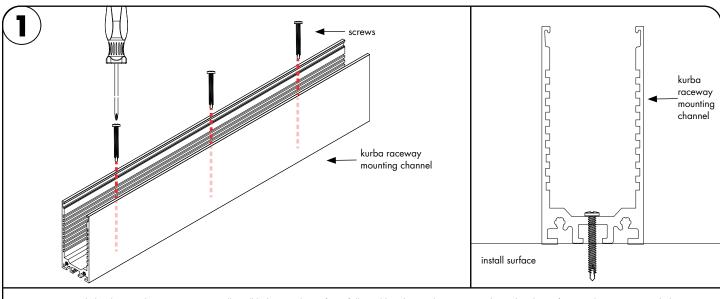
Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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

- 1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.
- 2. USE ONLY WITH CLASS 2 POWER UNIT
- 3. 24 VOLTS DC
- 4. SUITABLE FOR WET LOCATIONS, SAUNA, POOL RATED

Kurba Raceway Mounting Channel

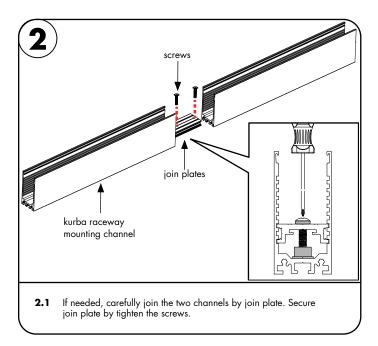
only applicable to KBM and KBL

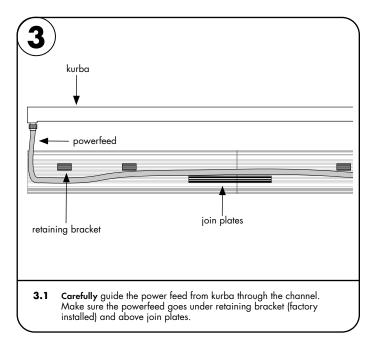


OF NFPA 70, "NATIONAL ELECTRICAL CODE" (NEC)

6. NO ADHESIVE ALLOWED TO AFFIX THE PRODUCT

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 1.1 a level. Use screw to secure the channel.







7 / 12

7777 Merrimac Ave Niles, IL 60714 T 224.333.6033 F 224.757.7557 info@luminii.com www.luminii.com

🖫 💷 💷

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!

1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.

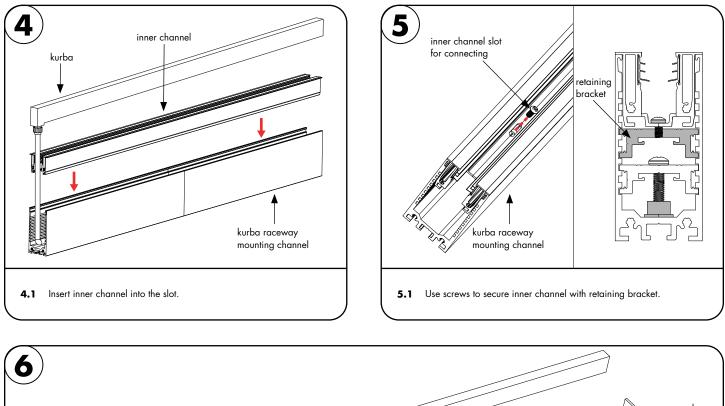
- 2. USE ONLY WITH CLASS 2 POWER UNIT
- 3. 24 VOLTS DC
- 4. SUITABLE FOR WET LOCATIONS, SAUNA, POOL RATED
- 5. POOL-RATED KURBA SHOULD BE INSTALLED WITH ARTICLE 680 OF NFPA 70, "NATIONAL ELECTRICAL CODE" (NEC)
- 6. NO ADHESIVE ALLOWED TO AFFIX THE PRODUCT

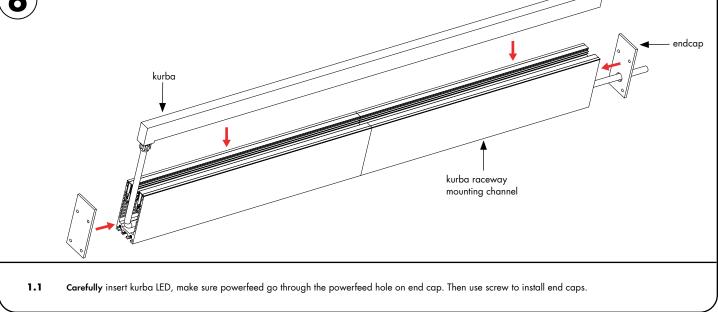


8 / 12

F 224.757.7557 info@luminii.com www.luminii.com

Kurba Raceway Mounting 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!

1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.

2. USE ONLY WITH CLASS 2 POWER UNIT

Kurba might be damaged.

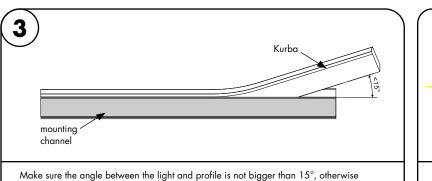
- 3. 24 VOLTS DC
- 4. SUITABLE FOR WET LOCATIONS, SAUNA, POOL RATED
- 5. POOL-RATED KURBA SHOULD BE INSTALLED WITH ARTICLE 680 OF NFPA 70, "NATIONAL ELECTRICAL CODE" (NEC)
- 6. NO ADHESIVE ALLOWED TO AFFIX THE PRODUCT

LISTED REV0.6

REV0.6 04182025

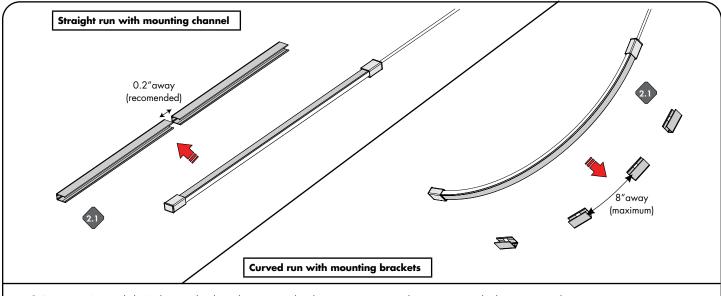
9 / 12

777 Merrimac Ave Niles, IL 60714 T 224.333.6033 F 224.757.7557 info@luminii.com www.luminii.com

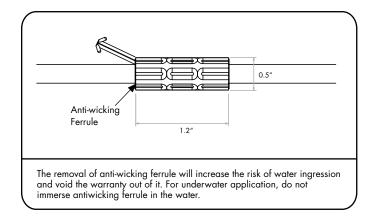


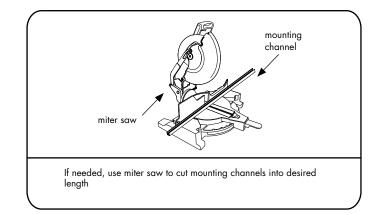


When light length longer than 6ft, make sure somebody helps to lift the light, in case the heavy weight of light itself generates too small bending angle or twisting, which may damage Kurba.



2.1 Carefully push the Kurba onto the channel or mounting brackets using your palms, then press in completely to secure in place. Note: It is recommend to leave a 0.2" gap between extrusions to enable room for contraction and expansion





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!

- 1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.
- 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

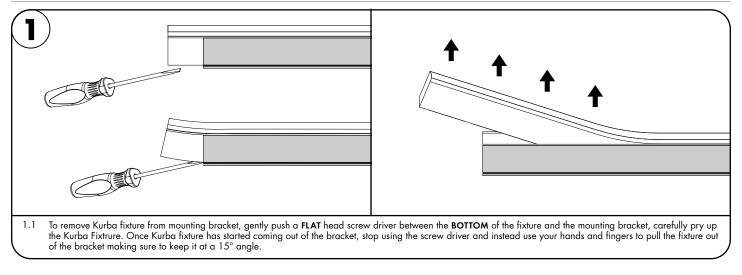


04182025

10 / 12

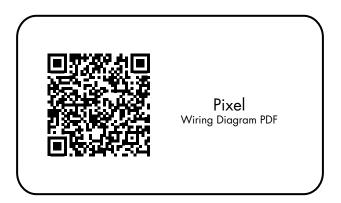
Niles, IL 60714 T 224.333.6033 F 224.757.7557 info@luminii.com www.luminii.com

Removing Kurba from Mounting Brackets



Power Supply Wiring Diagram

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

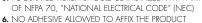


Models KBS-W-XX, KBM-W-XX, KBL-W-XX, KBX-W-XX, KBL-PL-XX, KBL-SN-XX

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

1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.

- 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 04182025





REVO.6

11 / 12

7777 Merrimac Ave Niles, IL 60714 T 224.333.6033 F 224.757.7557 info@luminii.com www.luminii.com

WIRING DIAGRAM SR-DMX-SPI NOTE: When connecting two or more LED strip lights or light fixtures, always make sure the signal direction arrows Smart Pixel LineLED Decoder are pointing to same direction The signal direction arrow should appear on each section (cut increment) of LED strip **NOTE:** Please make sure that power is turned off before wiring. Signal direction arrow Signal direction arrow Also, ensure that the correct power supply (voltage and wattage) is used to power the LED strips connected to the decoder. Follow DC 24V 02 01 02 01 s 🔶 + illustrated wiring diagram. Use screwdriver to open and close connection slots. **NOTE:** Must power from the opposite direction of the signal direction arrow DMX Terminator for the last DMX decoder' 120 ohms 32 ft max, decoder to strip DMX512 SIGNAL DECODER → DMX + V+ (KURBA PIXEL)) → DMX - In DATA 🖲 \rightarrow GND CLKO CONTROLLER WIRES ⊖**←** DMX + GND 🖲 DMX512 TO SPI SIGNAL CONVERTER 1000 ft max, ⊖ ← dmx - Out POWER IN decoder to Controller 5-24VDC + (Μ ╋ *Provided by others **POWER SUPPLY** CE FC RoHS Max.12A (-) (L) AC output 24VDC input (+)(N)

ase read all instruction	ons prior to installatio	n and keep for fu	ture reference!			STED 7777 Merrimac Ave	
oduct to be instali Se only with class 4 volts dc	LED BY A QUALIFIED ELEC	Trician.	5. POOL-I OF NF	RATED KURBA SHOULD BE INSTALLED W PA 70, "NATIONAL ELECTRICAL CODE" DHESIVE ALLOWED TO AFFIX THE PRODI	(NEC) 041 JCT	Niles, IL 60714 T 224.333.6033 F 224.757.7557 info@luminii.com www.luminii.com	
	DE						
5R-DMX-SPI Smart Pixel LineLED here are three butto	ns on the decoder.		ameter Setting	Increase Value	D	ecrease Value	
Long press M butt Long press M butt uring test mode, the uirng decoder mod ontroller and for fin	on for 5s to unlock the on for 5s to switch be e first line of LCD will s e, the first line of LCD val installation and cus	e buttons, and the tween test mode o show: TEST MOD shows: DECODE tomization.	backlight will turn and decode mode E. Use test mode to R MODE. Use deco	on.		nected to a controller, signal Decoder will stay in Mode".	
ODE TABLE	LCD DISPLAY		.	DESCRIPTION			
Built-in Programs	TEST MODE MODE NO.:	1-26	See Program Tc				
Program Speed	TEST MODE RUN SPEED:	0-7	0: fast, 7: slow				
DMX Address	DECODER MODE DMX ADDRESS:	1-512	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 Pixe	els to follow a program	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.		
IC TYPE	DECODER MODE IC TYPE:	2903, 8903, 2904, 8904	2903: N/A, 2904: for RGB ¹ 8903: N/A, 8904: N/A	w,			
Color	DECODER MODE COLOR:	MONO, DUAL RGB, RGBW	MONO: N/A, DUAL: N/A, RGB: N/A, RGBW: for RGI				
Pixel Merging / Pixel Size	DECODER MODE PIXEL MERGE:	1-100	Number of Pixe	ls to merge together			
RGB Sequence	DECODER MODE LED RGB SEQ:	RGBW, BGRW, etc.	Sequence of RC	GBW, 24 possible combinations			
Integral Control	DECODER MODE ALL CONTROL:	yes, no		Reverse program order color changes Fade: fade/dim betwee changes		o fading/dimming between	
Reverse Control	DECODER MODE REV-CONTROL:	YES, NO	Reverse progra			e: fade/dim between color	
Overall Brightness	DECODER MODE BRIGHTNESS:	1-100	1: dimmest setting Cha		Chase with		
ROGRAM TABLE	1			I		1	
PROGRAM NO.	PROGRAM DESC		PROGRAM NO.	PROGRAM DESCRIPTION	PROGRAM NO.	PROGRAM DESCRIPTION	
1	Solid color: R		10 11	RGB fading	19	Red chasing green, chasing blue	
2	Solid color: G			Full color fading	20	Orange chasing purple, chasing cyan	
3	Solid color: B		12	Red chase with trail			
4 5		Solid color: Yellow		Green chase with trail Blue chase with trail	21	Rainbow chase (7 colors) Random twinkle: white over red	
5	Solid color: Purple Solid color: Cyan		14	White chase with trail	22	Random twinkle: white over red	
7	Solid color: White		15	RGB chase with trail	23	Random twinkle: white over gree	
,			17	Rainbow chase with trail	24	White fading	
8		RGB change		Painbow chase with trail	25	White fading	

RGB chasing and fading

Off

26

18

9

Full color change