

# 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

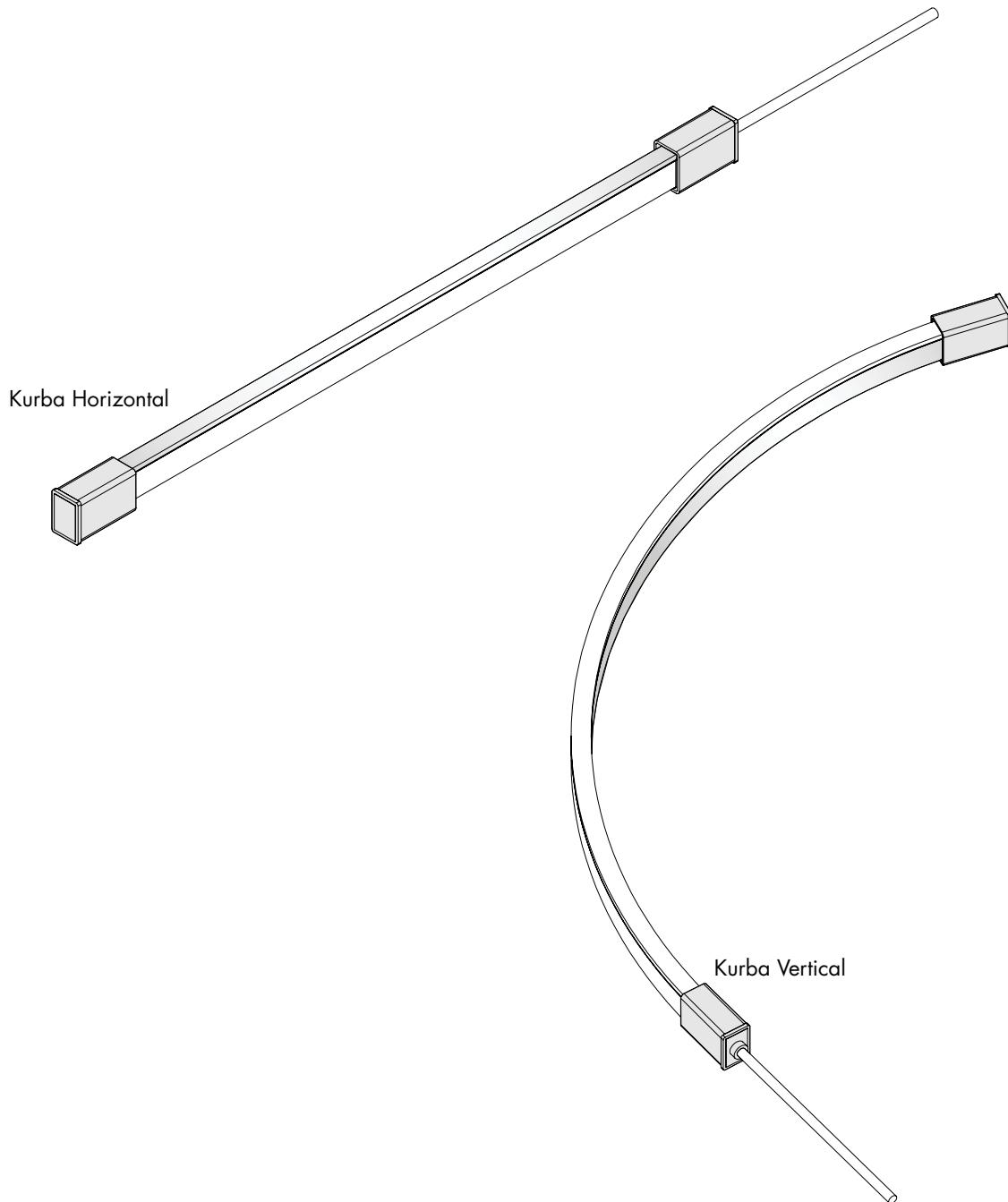


REVO.6  
01282026

1 / 11

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

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



# 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

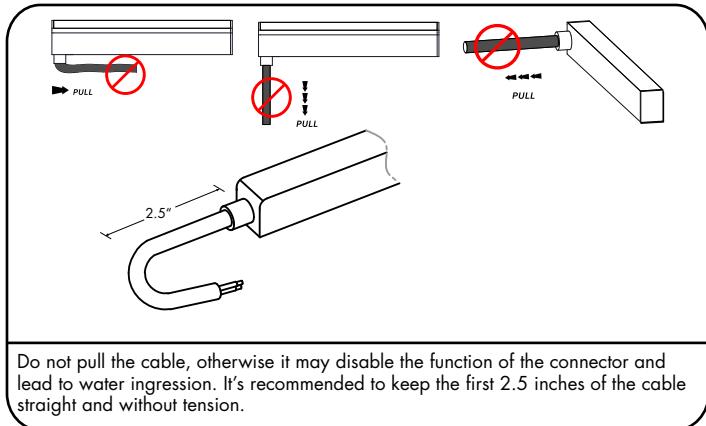
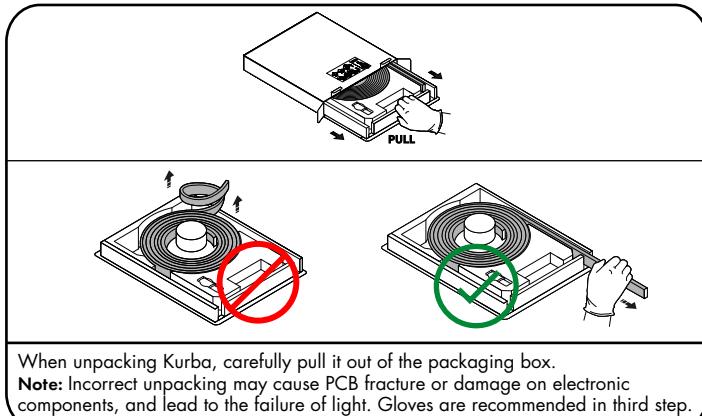


REVO.6  
01282026

2 / 11

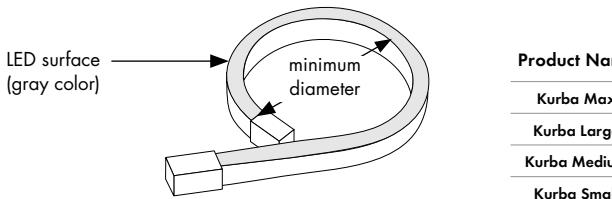
**luminii**  
7777 Merrimac Ave  
Niles, IL 60714  
T 224.333.6033  
F 224.757.7557  
info@luminii.com  
www.luminii.com

## CAUTION: Reference to below before installing Kurba

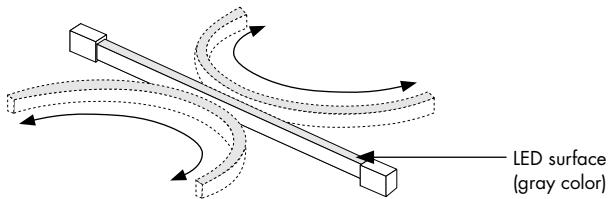


### Kurba Horizontal

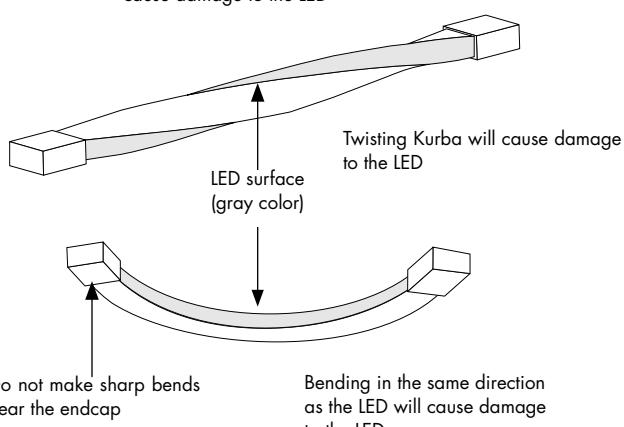
**CAN** Bend LED in these positions to avoid damage



Bend in this direction only



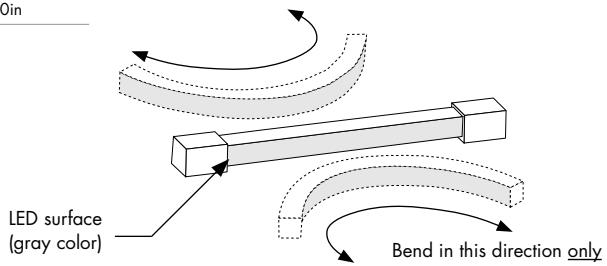
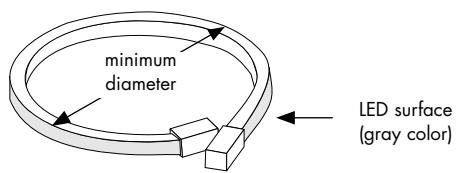
**CANNOT** Twisting or bending LED in these positions will cause damage to the LED



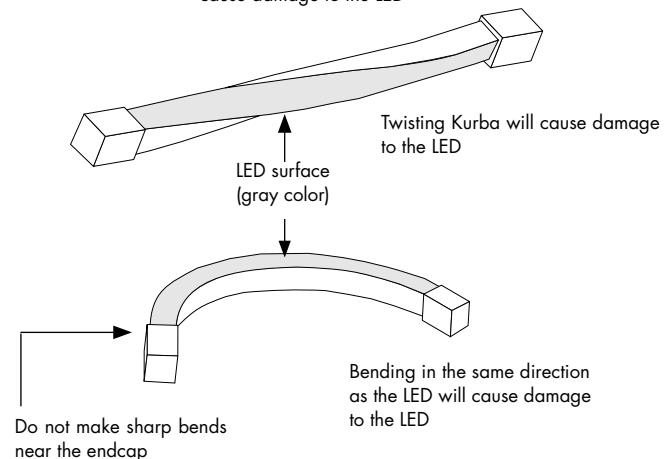
Product Name	Minimum Diameter
Kurba Max	16.0in
Kurba Large	12.0in
Kurba Medium	5.0in
Kurba Small	4.0in

### Kurba Vertical

**CAN** Bend LED in these positions to avoid damage



**CANNOT** Twisting or bending LED in these positions will cause damage to the LED



# 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



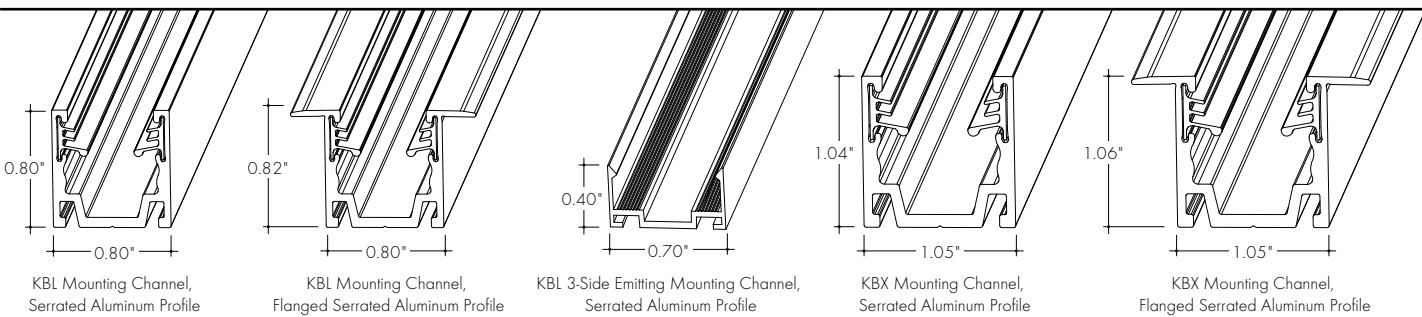
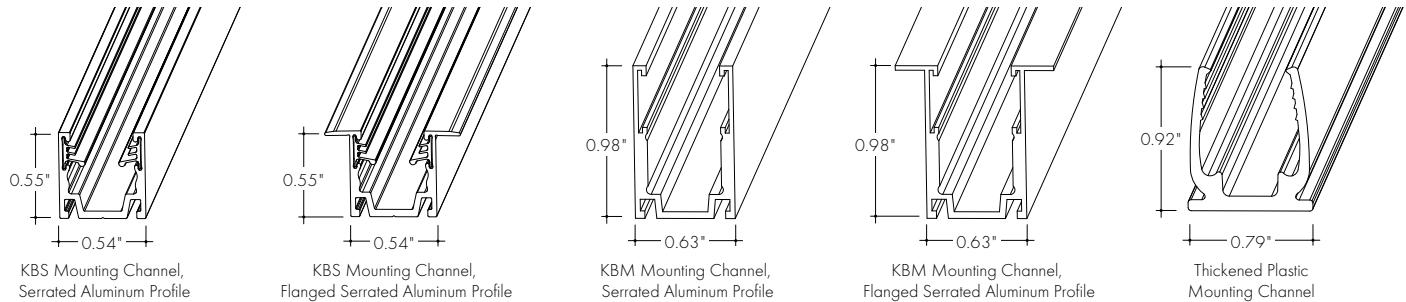
**luminii**  
7777 Merrimac Ave  
Niles, IL 60714  
T 224.333.6033  
F 224.757.7557  
info@luminii.com  
www.luminii.com

3 / 11

**1**

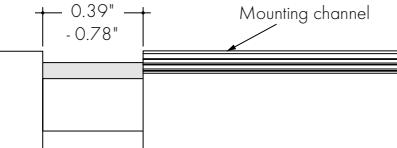
**NOTE:** All straight mounting channels listed below should refer to this step during the installation.

## Straight mounting channels



**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.

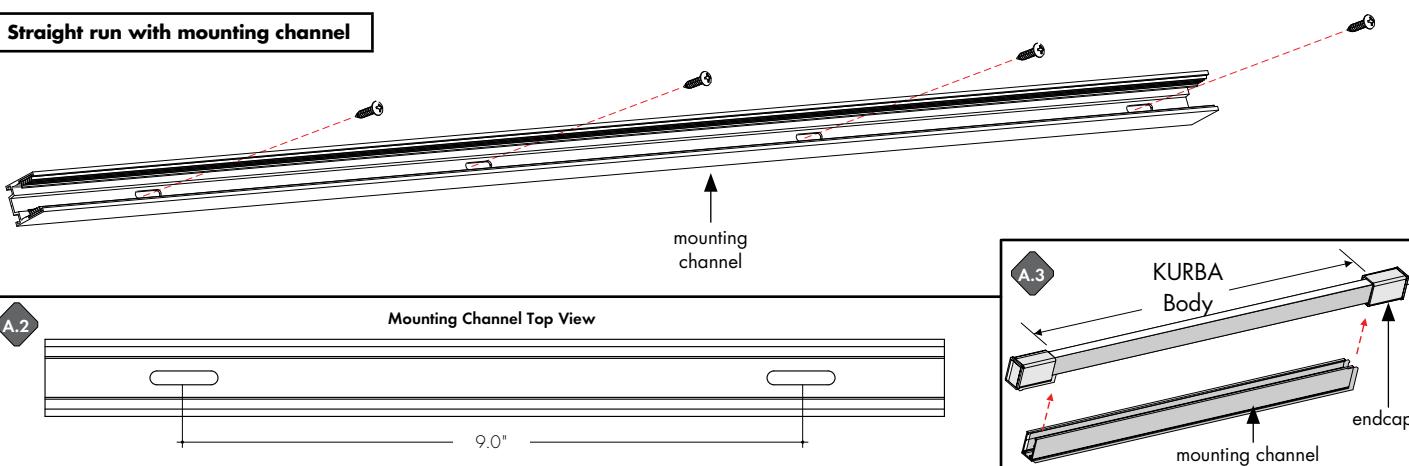
**NOTE:** More than one person is recommended for this installation.



**NOTE:** Keep a 0.39" - 0.78" spacing between the end of the fixture and the mounting channel

**A.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.

## Straight run with mounting channel



**A.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.

**A.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.

# 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



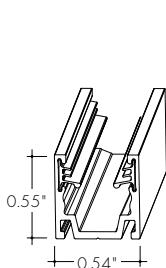
**luminii**  
7777 Merrimac Ave  
Niles, IL 60714  
T 224.333.6033  
F 224.757.7557  
info@luminii.com  
www.luminii.com

4 / 11

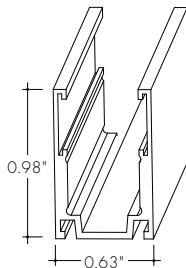
1

**NOTE:** All straight mounting channels listed below should refer to this step during the installation.

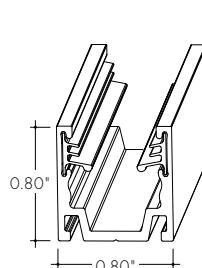
## Mounting brackets



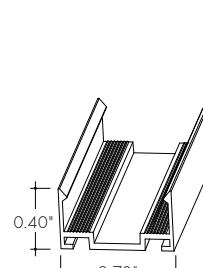
KBS Mounting Channel,  
Serrated Aluminum Profile



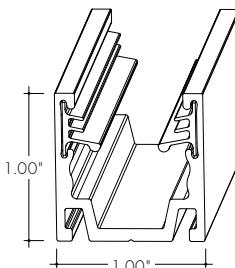
KBM Mounting Channel,  
Serrated Aluminum Profile



KBL Mounting Channel,  
Serrated Aluminum Profile



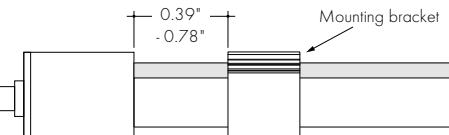
KBL 3-Side Emitting Mounting Channel,  
Serrated Aluminum Profile



KBX Mounting Channel,  
Serrated Aluminum Profile

**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.

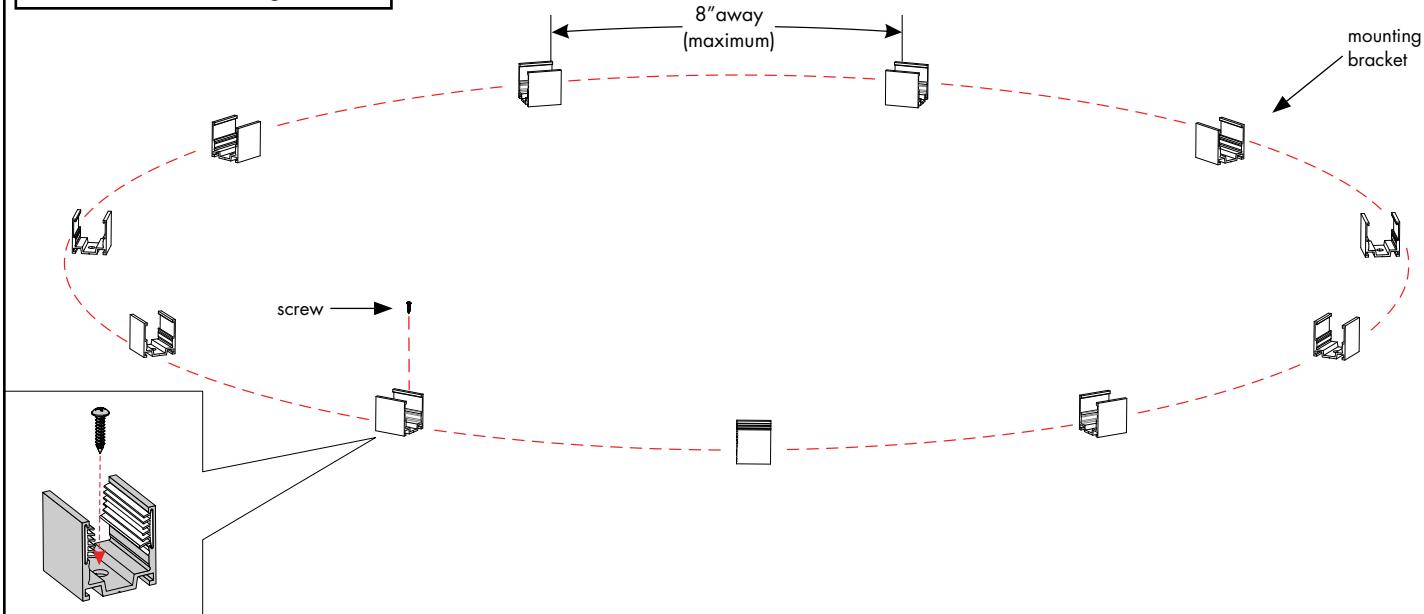
**NOTE:** More than one person is recommended for this installation.



**NOTE:** Keep a 0.39" - 0.79" spacing between the end of the fixture and the mounting bracket

**B.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.

## Curved run with mounting brackets



**B.2** Determine the shape of the Kurba layout, then mark the pattern onto the surface. Then, place a mounting bracket every 8"(minimum). The pattern may vary dependant upon the amount of curves.

**B.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.

# 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

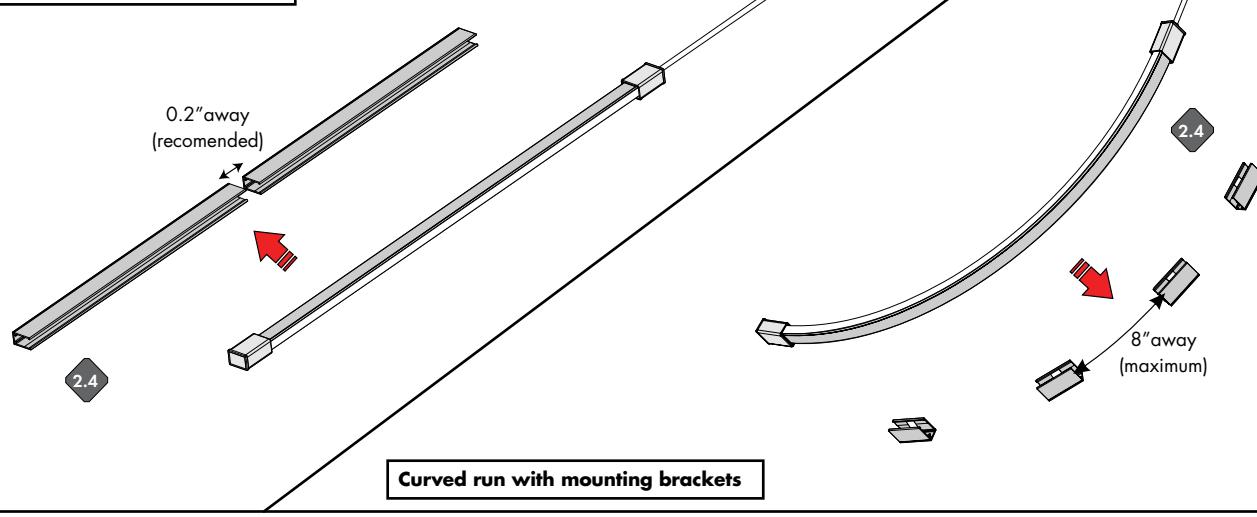


REVO.6  
01282026

5 / 11

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

## Straight run with mounting channel



## Curved run with mounting brackets

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

# 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



REVO.6  
01282026

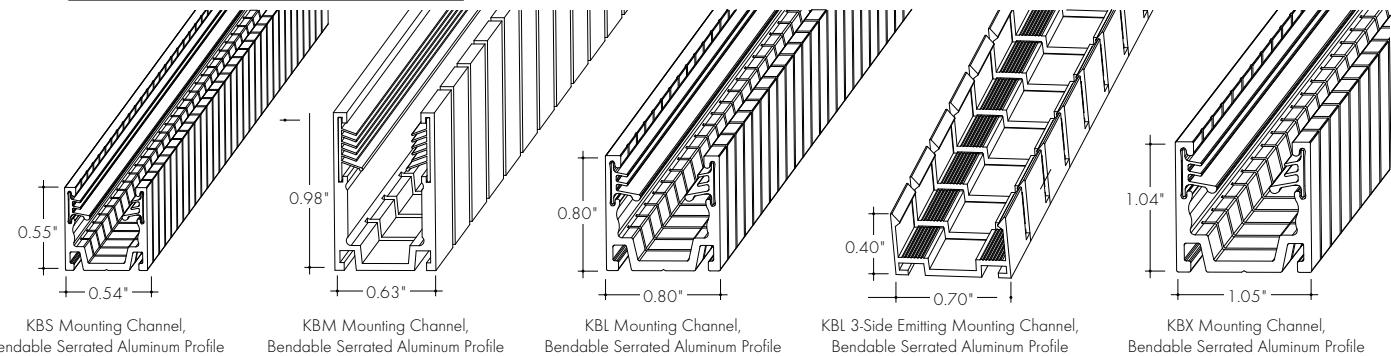
6 / 11

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

1

**NOTE:** All straight mounting channels listed below should refer to this step during the installation.

## Bendable Mounting Channel with Grip



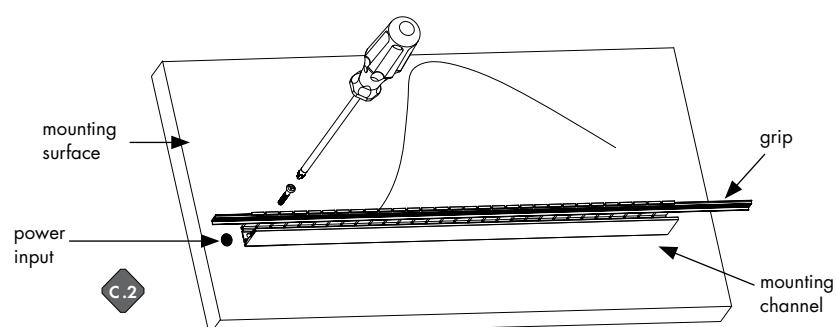
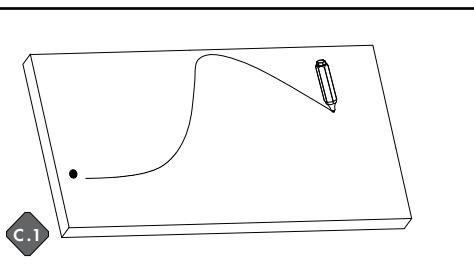
KBS Mounting Channel,  
Bendable Serrated Aluminum Profile

KBM Mounting Channel,  
Bendable Serrated Aluminum Profile

KBL Mounting Channel,  
Bendable Serrated Aluminum Profile

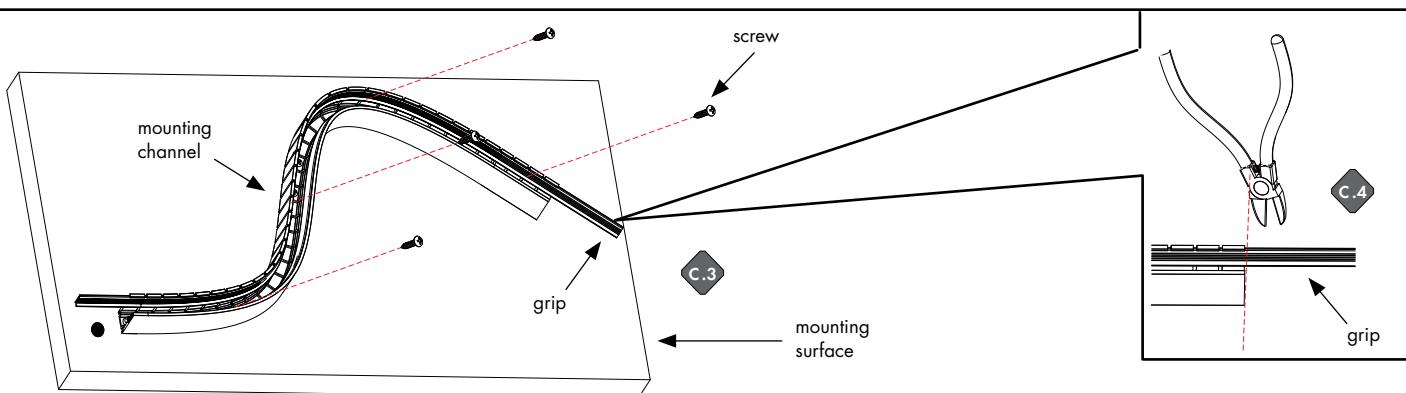
KBL 3-Side Emitting Mounting Channel,  
Bendable Serrated Aluminum Profile

KBX Mounting Channel,  
Bendable Serrated Aluminum Profile



**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** Fix the rest in sequence along with the marks.

**C.4** Adjust the serrate silicone tape and remove the extra lengths at both ends.

# 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



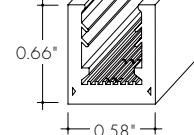
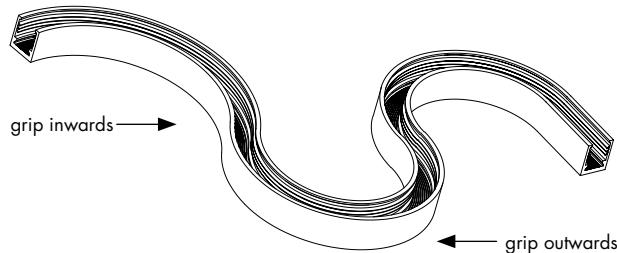
**luminii**  
7777 Merrimac Ave  
Niles, IL 60714  
T 224.333.6033  
F 224.757.7557  
info@luminii.com  
www.luminii.com

7 / 11

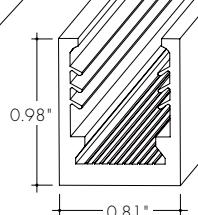
1

**NOTE:** All straight mounting channels listed below should refer to this step during the installation.

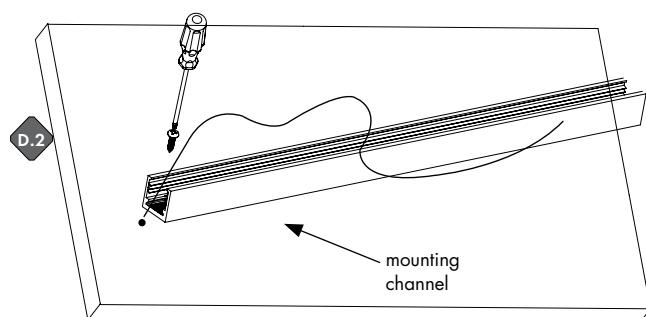
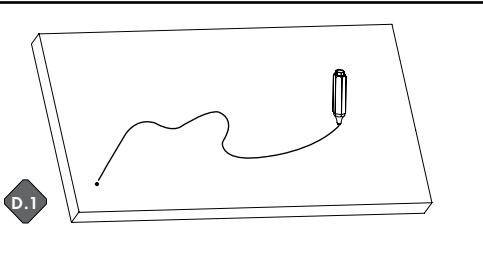
## KBL and KBS Mounting Channel, Bendable Silicone Profile



KBS Mounting Channel,  
Bendable Silicone Profile

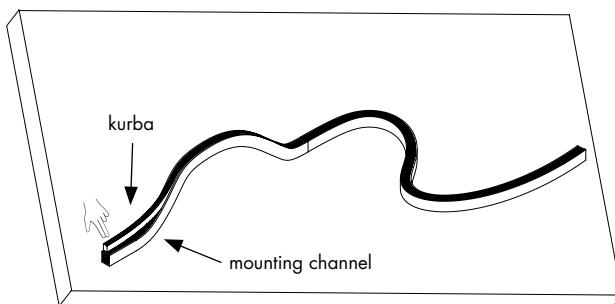
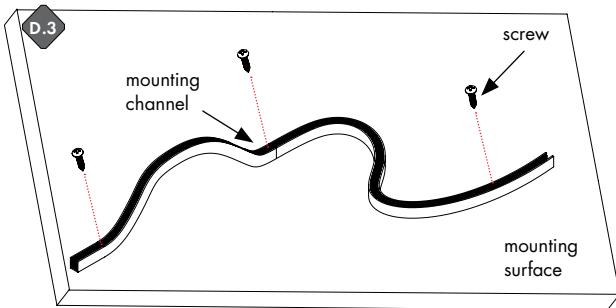


KBL Mounting Channel,  
Bendable Silicone Profile



**D.1** Mark the required shape on the mounting surface.

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



**D.3** Secure the channel with screws

**D.4** Insert kurba to mounting channel.

# 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



REVO.6  
01282026

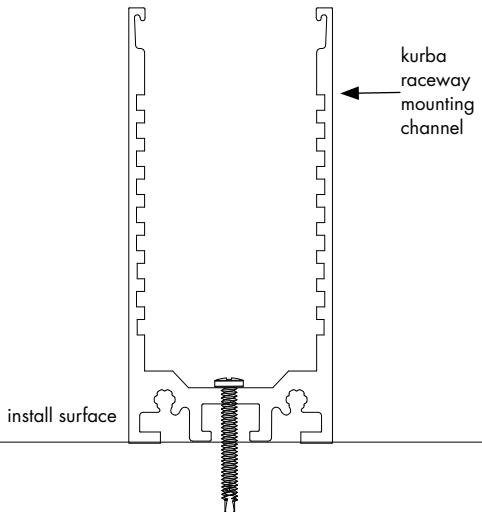
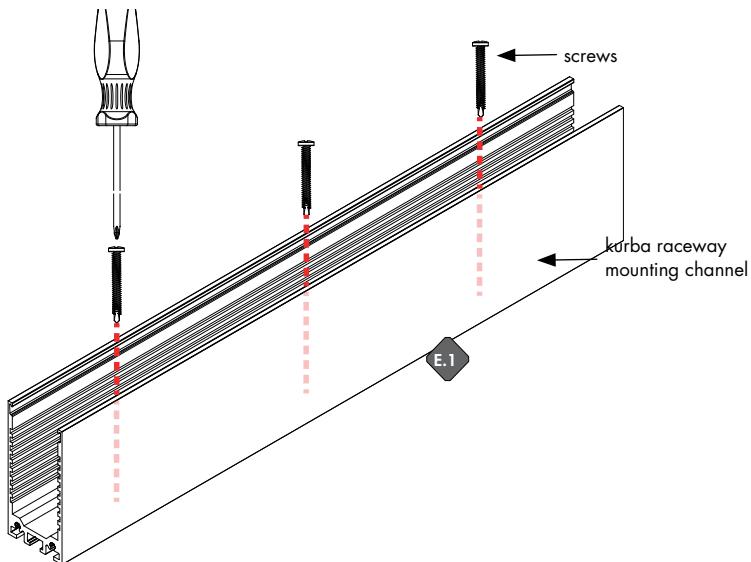
8 / 11

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

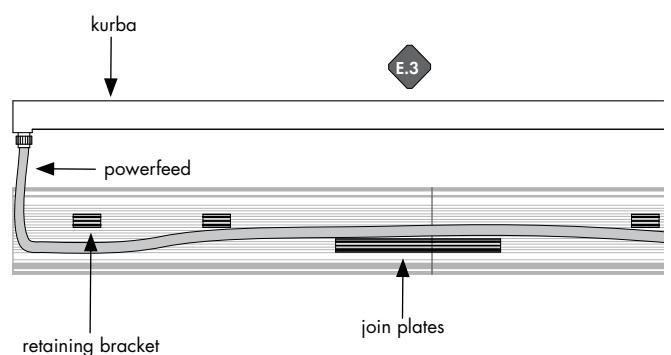
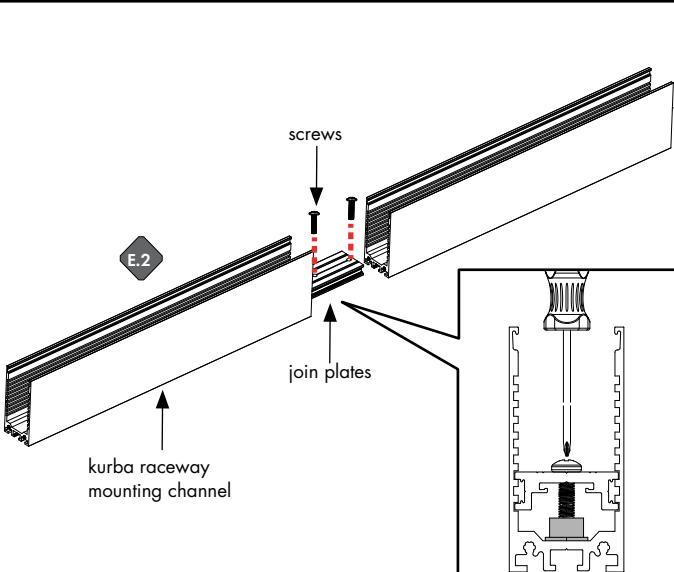
**1**

## KBL and KBS Raceway Mounting Channel

**NOTE:** only applicable to KBM and KBL.



**E.1** Mark the designated 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.



**E.2** If needed, carefully join the two channels by join plate. Secure join plate by tighten the screws.

**E.3** Carefully guide the power feed from kurba through the channel. Make sure the powerfeed goes under retaining bracket (factory installed) and above join plates.

# 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



**luminii**

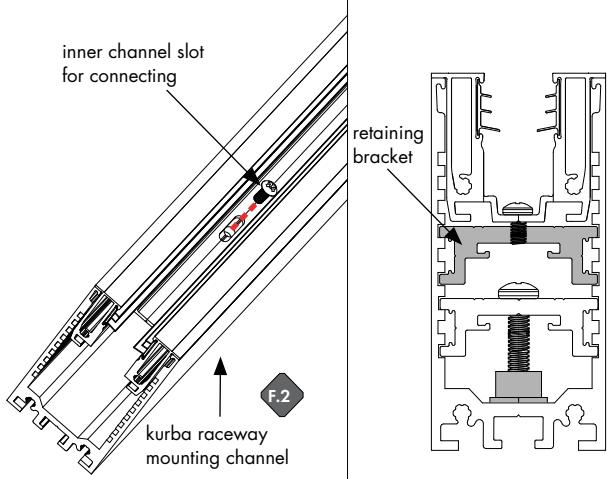
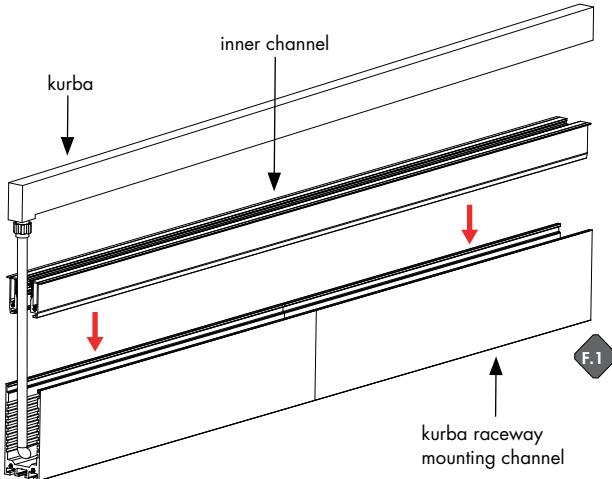
7777 Merrimac Ave  
Niles, IL 60714  
T 224.333.6033  
F 224.757.7557  
info@luminii.com  
www.luminii.com

9 / 11

1

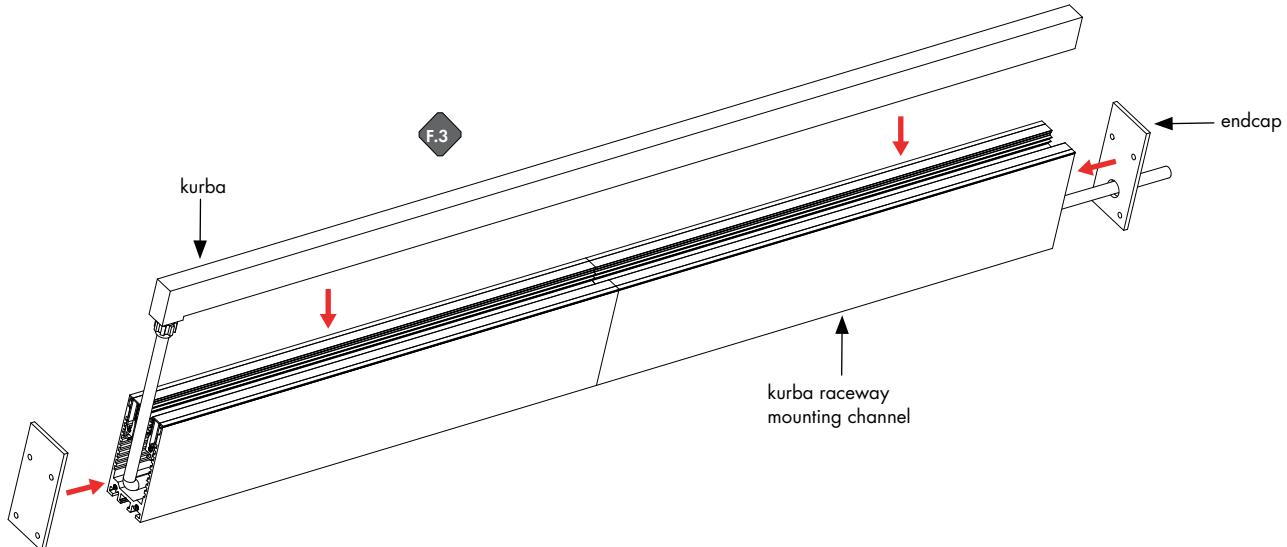
## KBL and KBS Raceway Mounting Channel

**NOTE:** only applicable to KBM and KBL.



**F.1** Insert inner channel into the slot.

**F.2** Use screws to secure inner channel with retaining bracket.



**F.3** Carefully insert kurba LED, make sure powerfeed go through the powerfeed hole on end cap. Then use screw to install end caps.

# 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

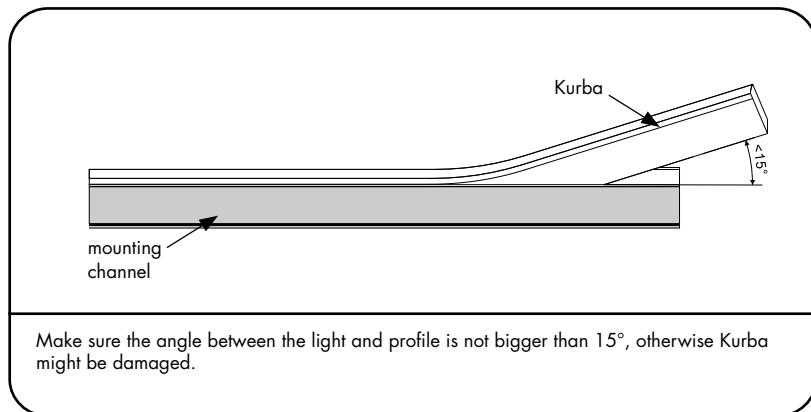


REVO.6  
01282026

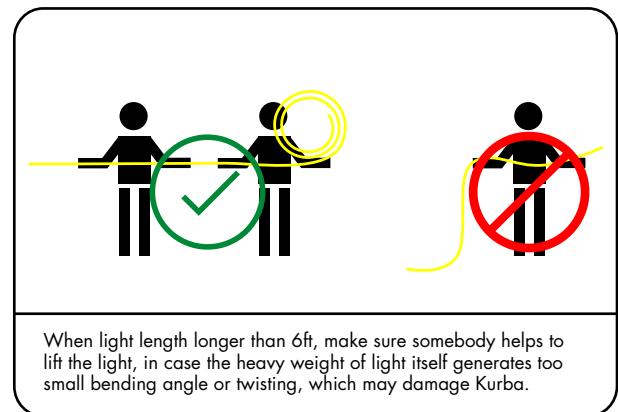
10 / 11

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

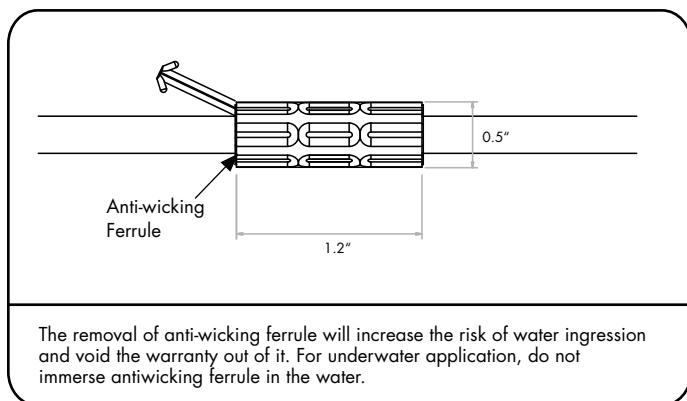
## CAUTION: Reference to below when installing Kurba



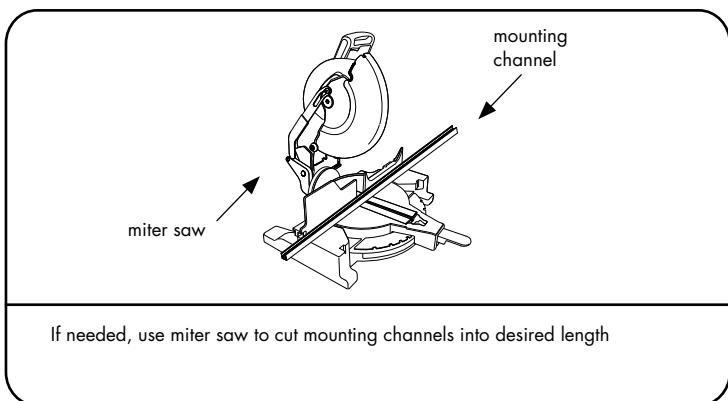
Make sure the angle between the light and profile is not bigger than 15°, otherwise Kurba might be damaged.



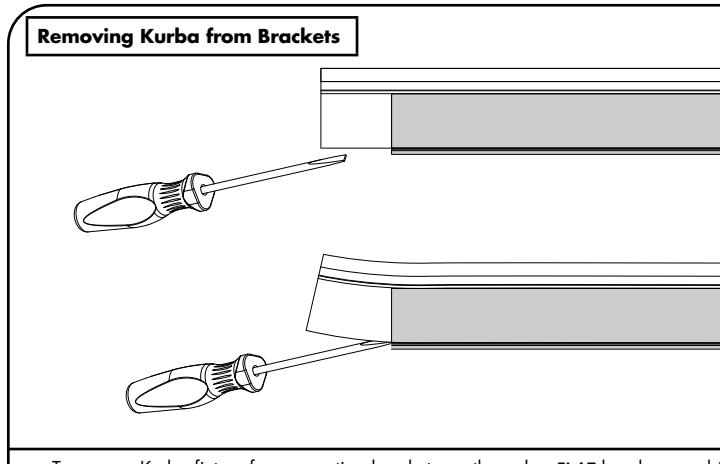
When light length longer than 6ft, make sure somebody helps to lift the light, in case the heavy weight of light itself generates too small bending angle or twisting, which may damage Kurba.



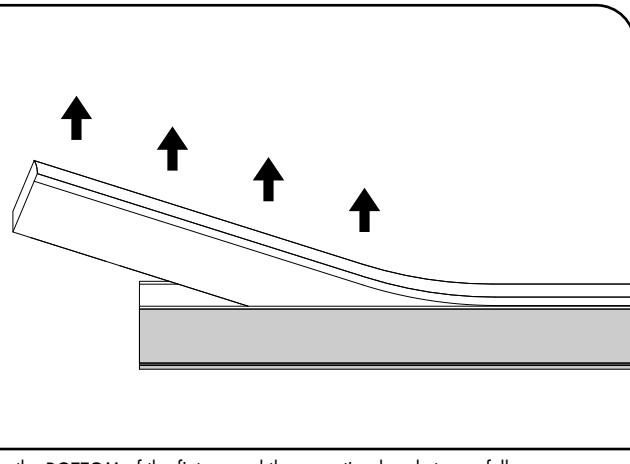
The removal of anti-wicking ferrule will increase the risk of water ingestion and void the warranty out of it. For underwater application, do not immerse antiwicking ferrule in the water.



If needed, use miter saw to cut mounting channels into desired length



**Removing Kurba from Brackets**  
To remove Kurba fixture from mounting bracket, gently push a **FLAT** head screw driver between the **BOTTOM** of the fixture and the mounting bracket, carefully pry up the Kurba fixture. Once Kurba fixture has started coming out of the bracket, stop using the screw driver and instead use your hands and fingers to pull the fixture out of the bracket making sure to keep it at a 15° angle.



# 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



REVO.6  
01282026

11 / 11



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

## 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.



Static White  
[Wiring Diagram PDF](#)



RGB/RGBW  
[Wiring Diagram PDF](#)



Pixel  
[Wiring Diagram PDF](#)



Tunable White  
[Wiring Diagram PDF](#)



Warm Dim  
[Wiring Diagram PDF](#)