

# 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



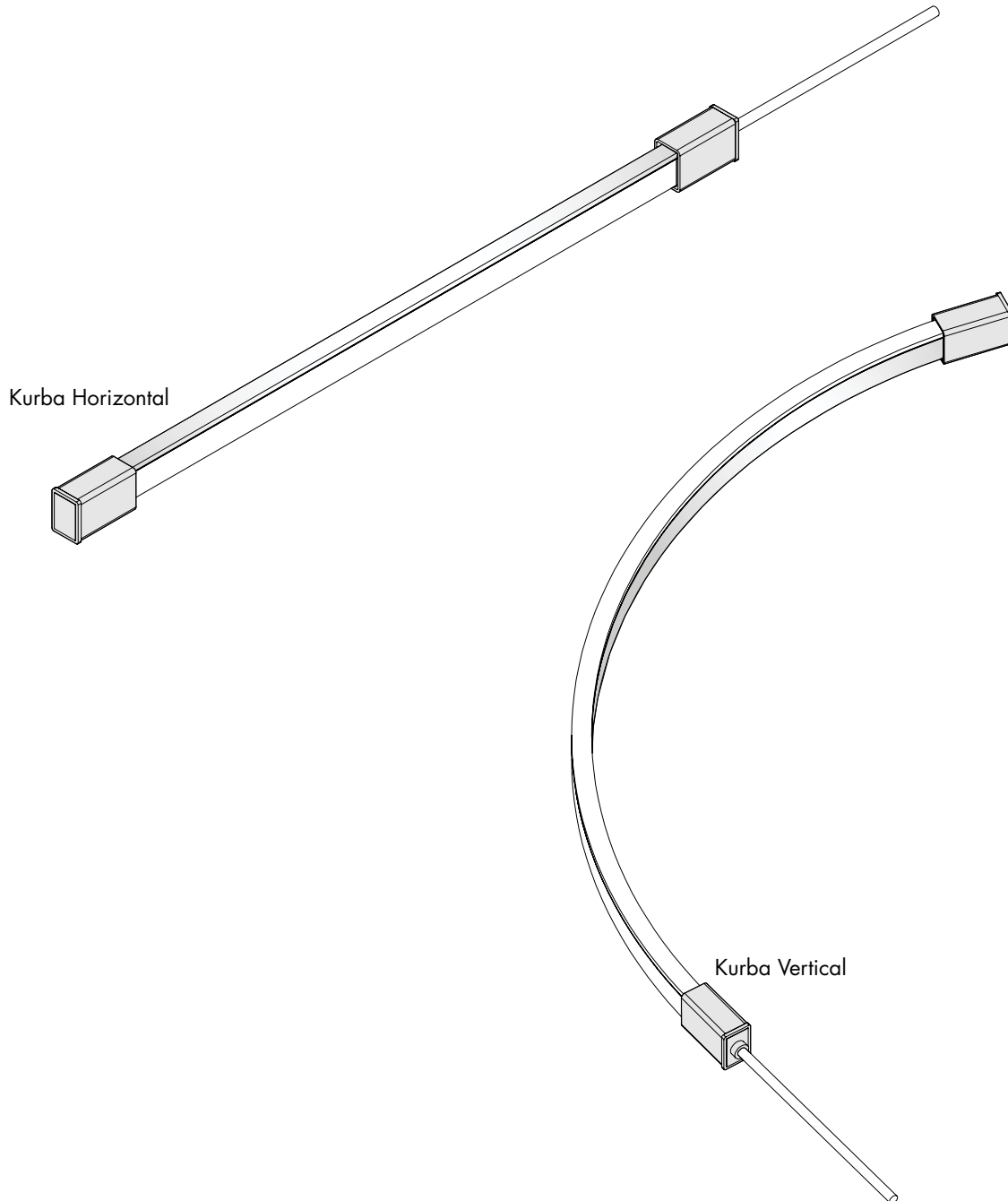
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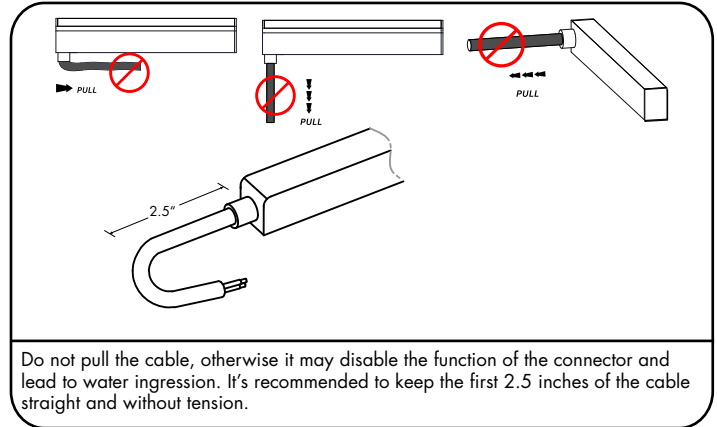
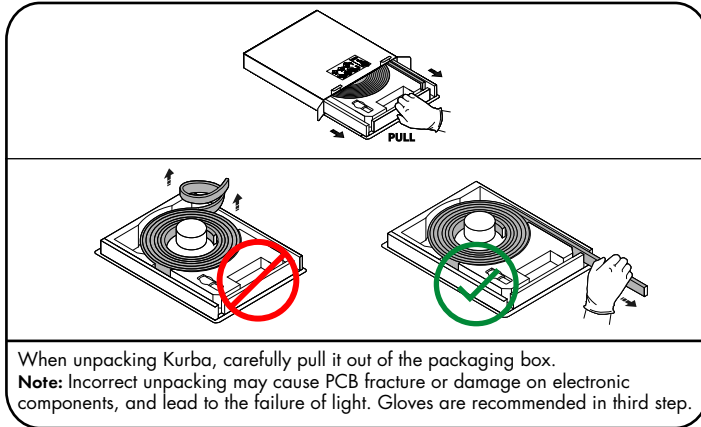
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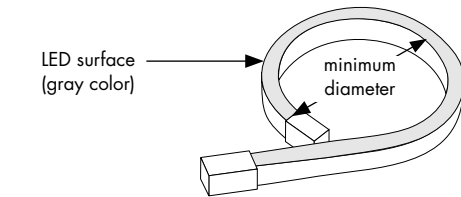
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## CAUTION: Reference to below before installing Kurba

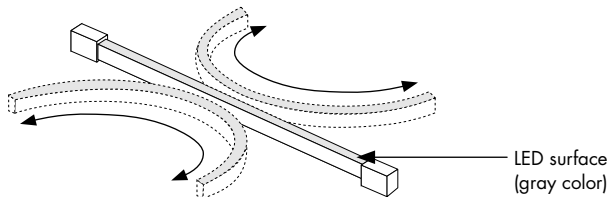


### Kurba Horizontal

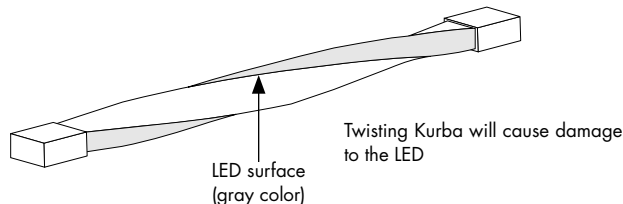
**CAN** Bend LED in these positions to avoid damage



Bend in this direction only



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



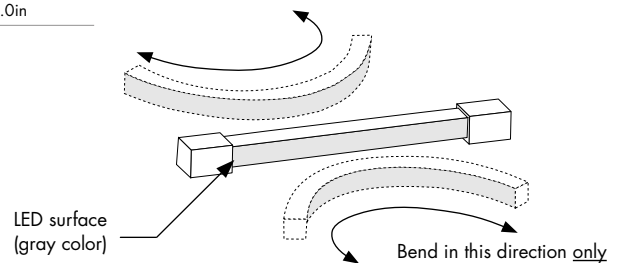
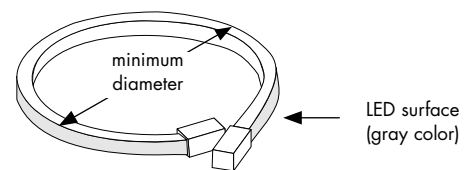
Do not make sharp bends near the endcap

Bending in the same direction as the LED will cause damage to the LED

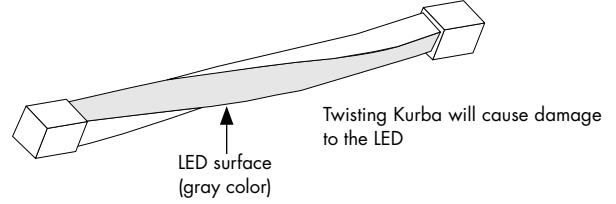
Product Name	Minimum Diameter
Kurba Max	16.0in
Kurba Large	12.0in
Kurba Medium	5.0in
Kurba Small	4.0in

### 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



Do not make sharp bends near the endcap

Bending in the same direction as the LED will cause damage to the LED

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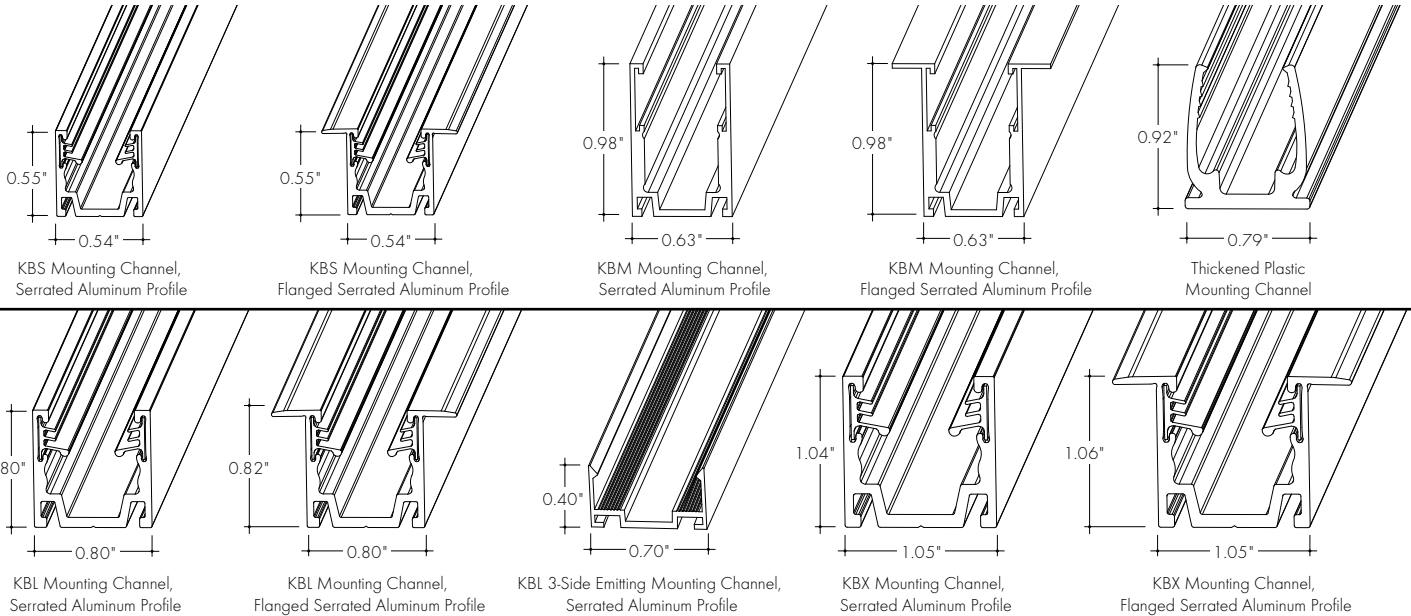


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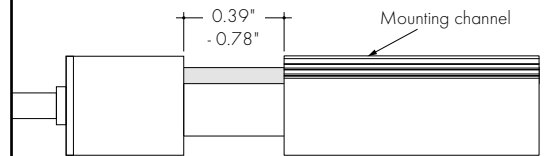
**NOTE:** All straight mounting channels listed below should refer to this step during the installation.

## 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.

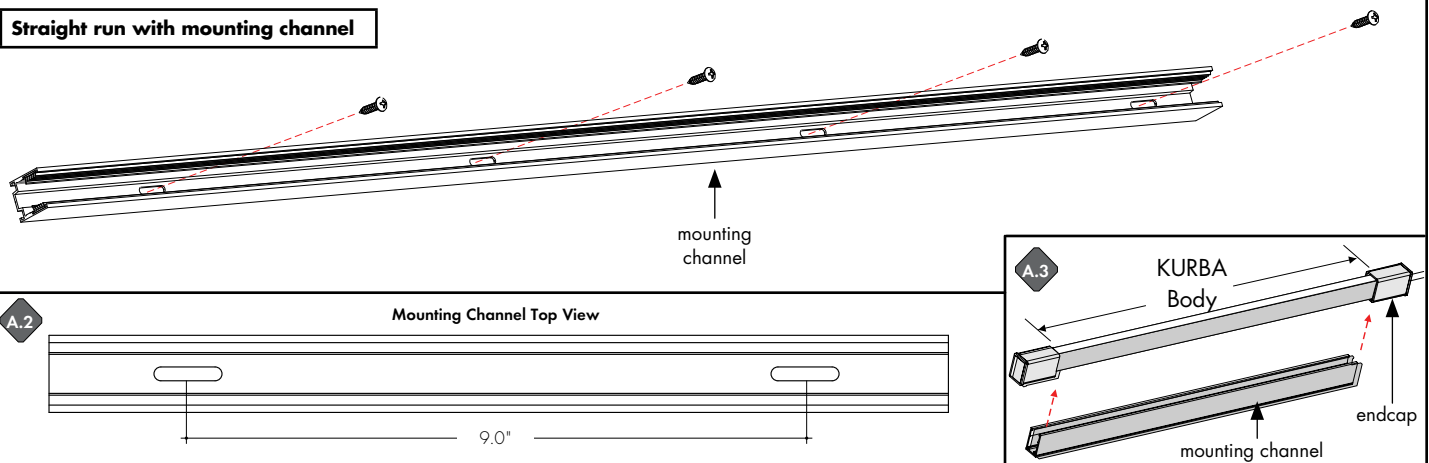
**NOTE:** More than one person is recommended for this installation.



**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

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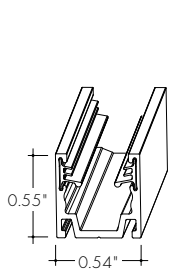


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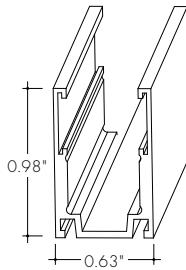
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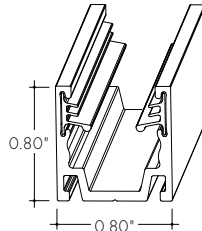
## Mounting brackets



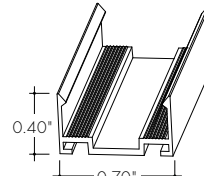
KBS Mounting Channel,  
Serrated Aluminum Profile



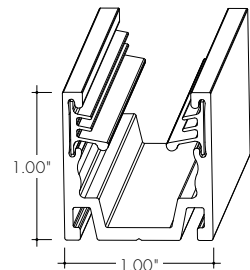
KBM Mounting Channel,  
Serrated Aluminum Profile



KBL Mounting Channel,  
Serrated Aluminum Profile



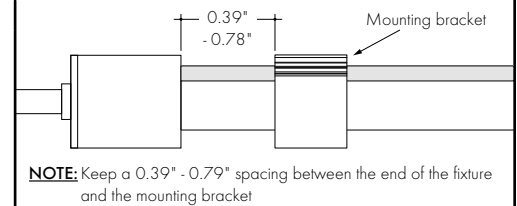
KBL 3-Side Emitting Mounting Channel,  
Serrated Aluminum Profile



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.

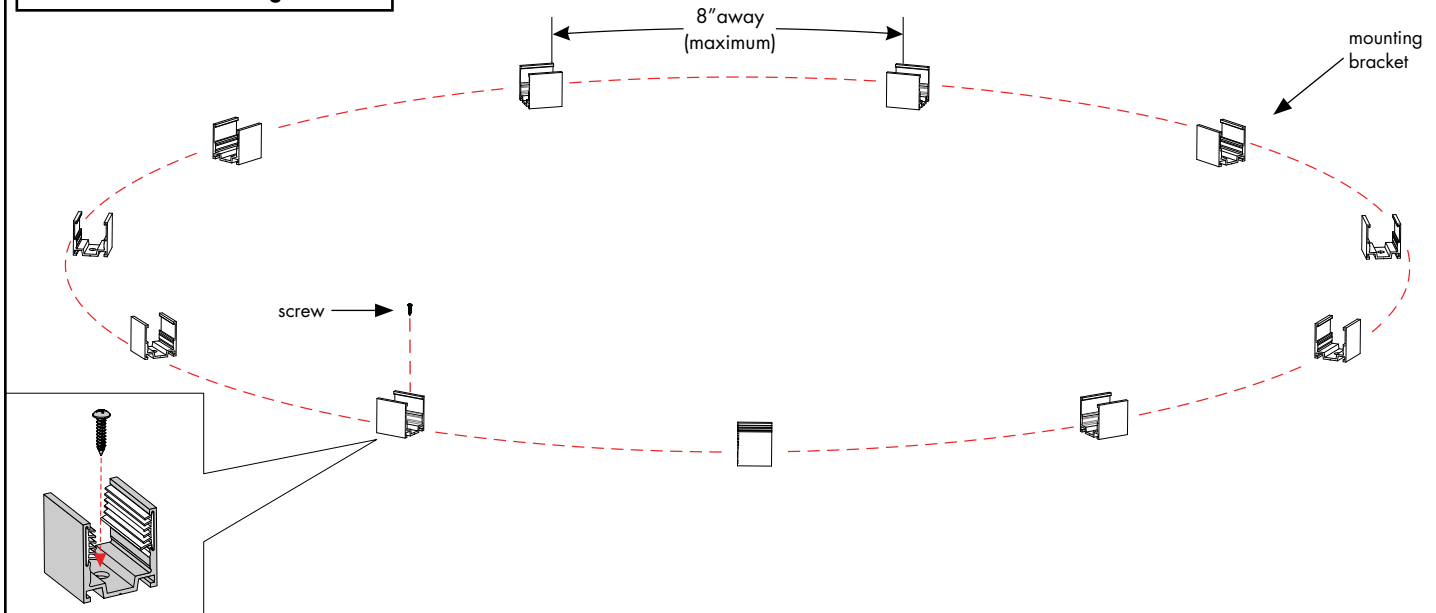
**NOTE:** More than one person is recommended for this installation.



**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.

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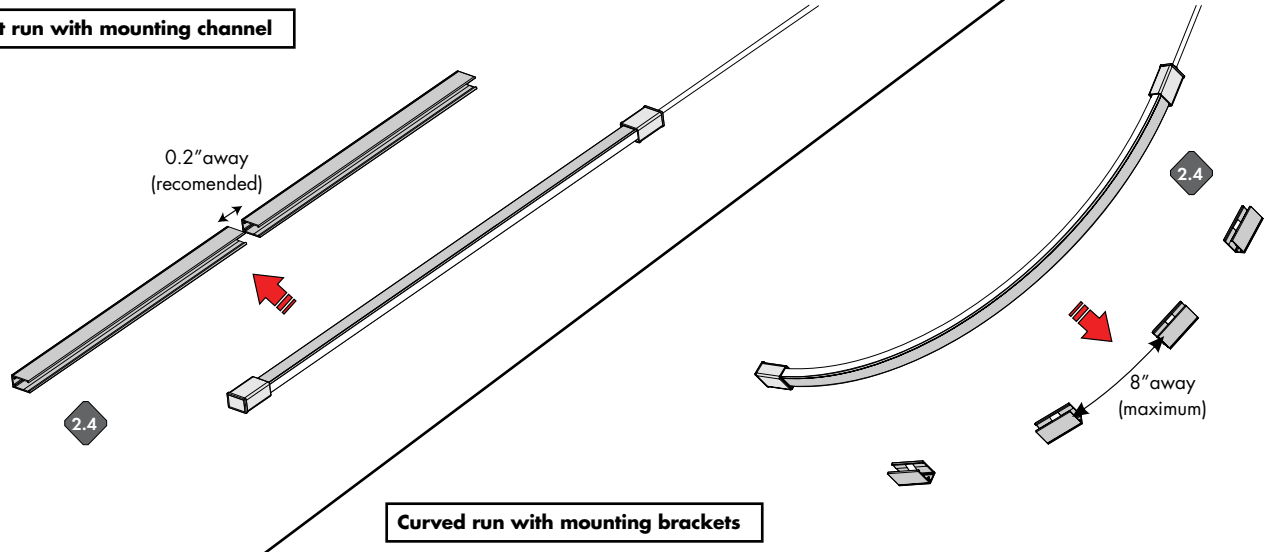
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## Straight run with mounting channel



## 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

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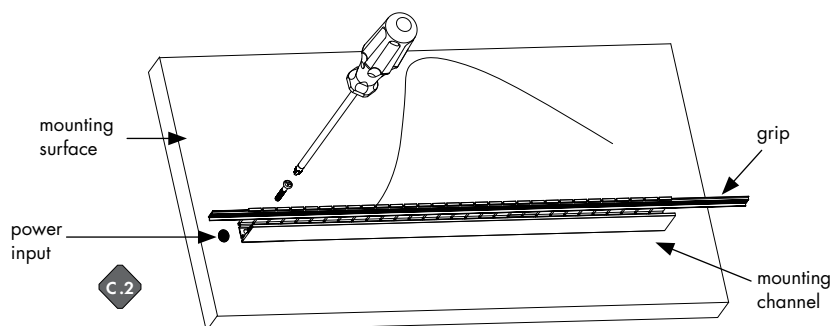
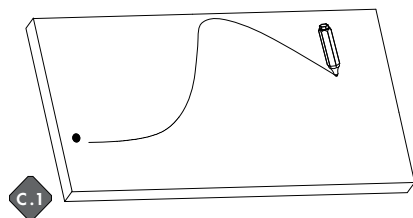
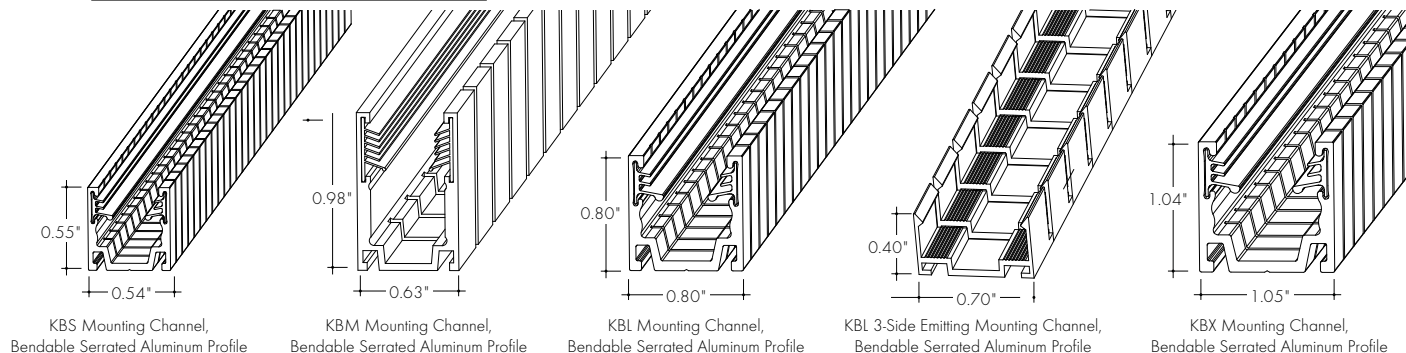


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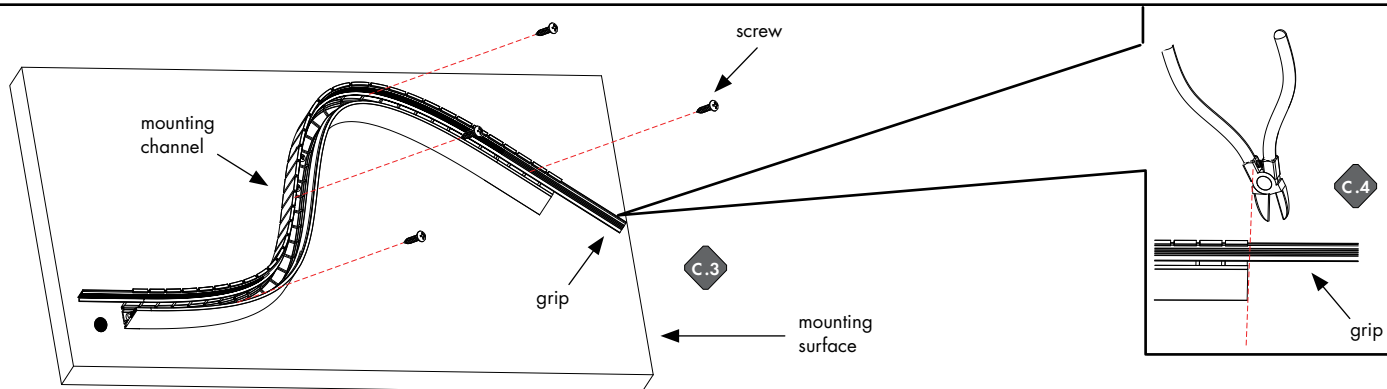
**NOTE:** All straight mounting channels listed below should refer to this step during the installation.

## Bendable Mounting Channel with Grip



**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.

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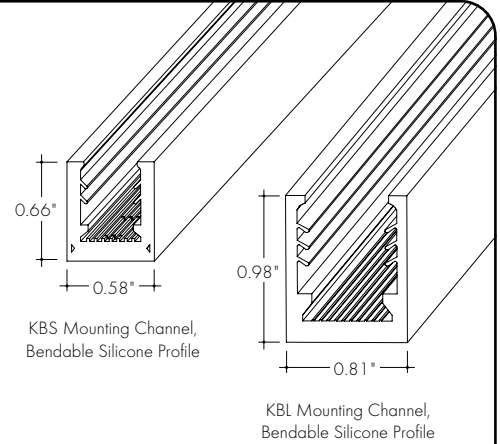
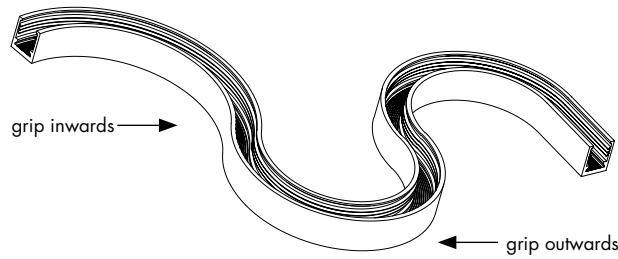


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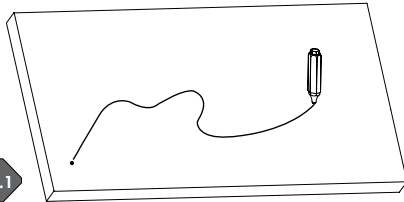
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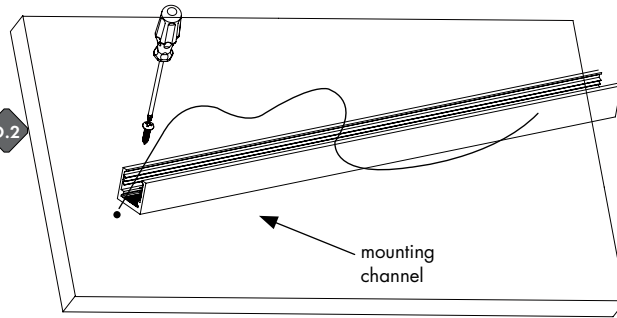
## KBL and KBS Mounting Channel, Bendable Silicone Profile



D.1



D.2

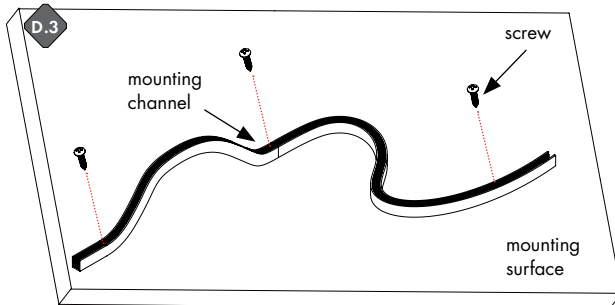


mounting channel

**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



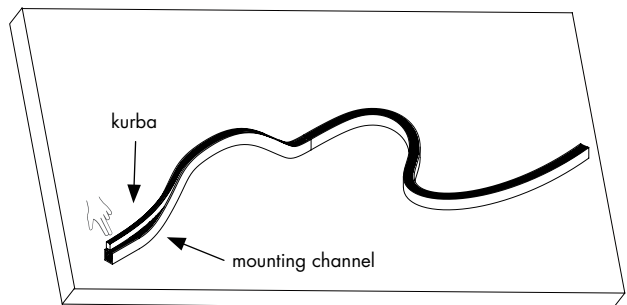
mounting channel

screw

mounting surface

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

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



kurba

mounting channel

D.4

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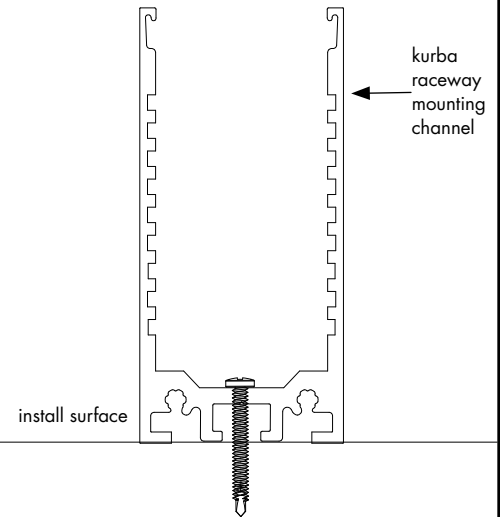
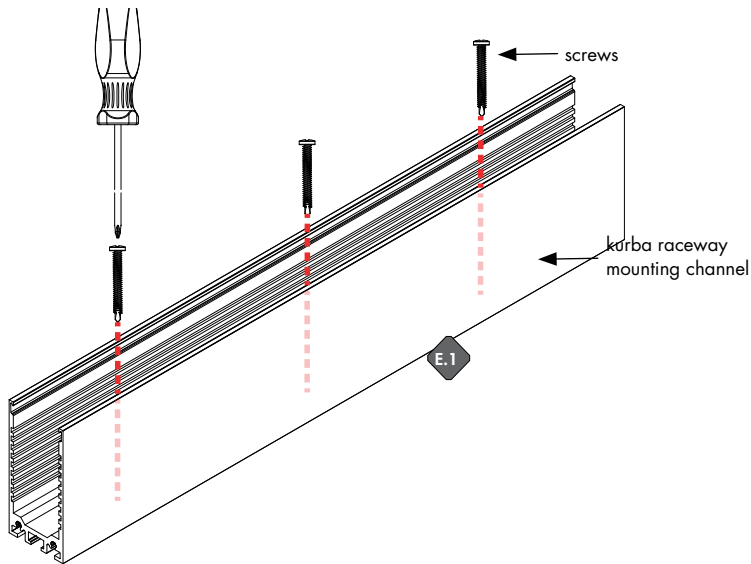


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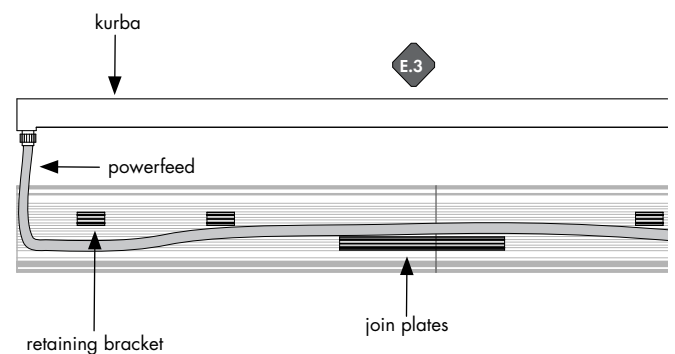
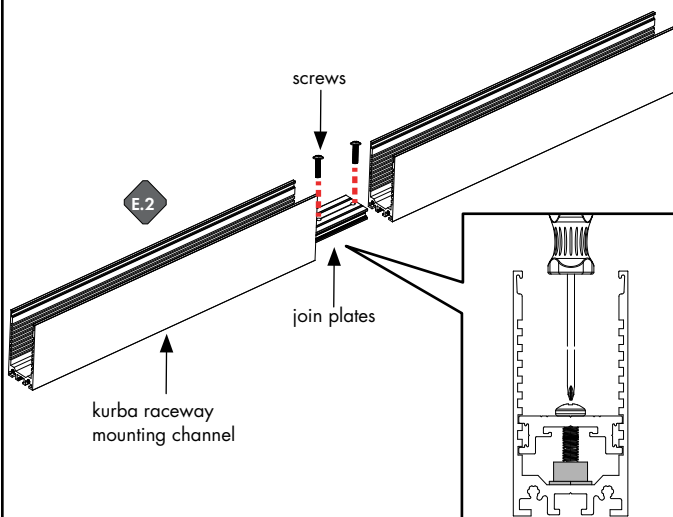
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## KBL and KBS Raceway Mounting Channel

**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 tightening 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.



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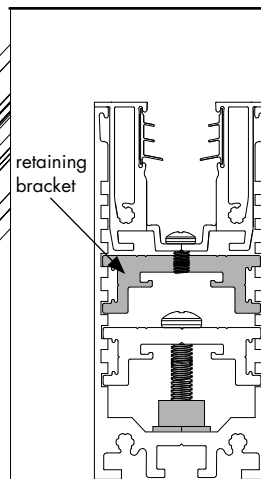
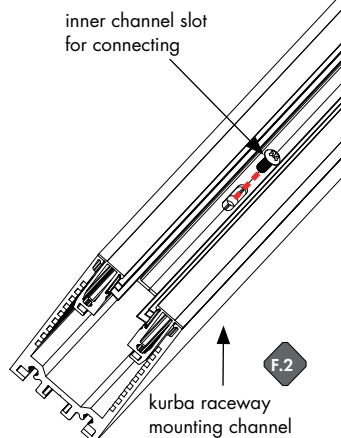
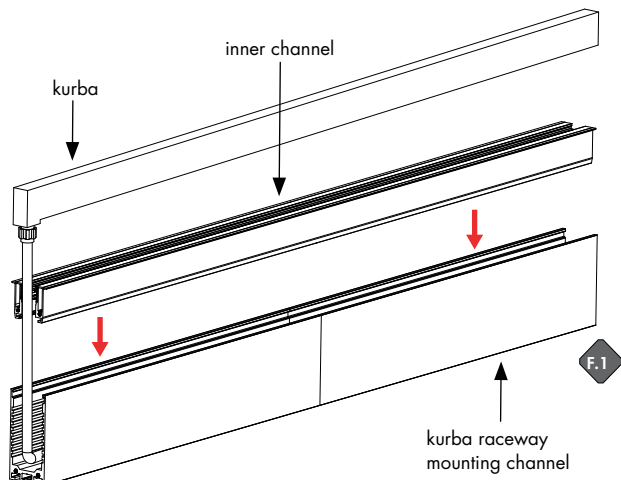


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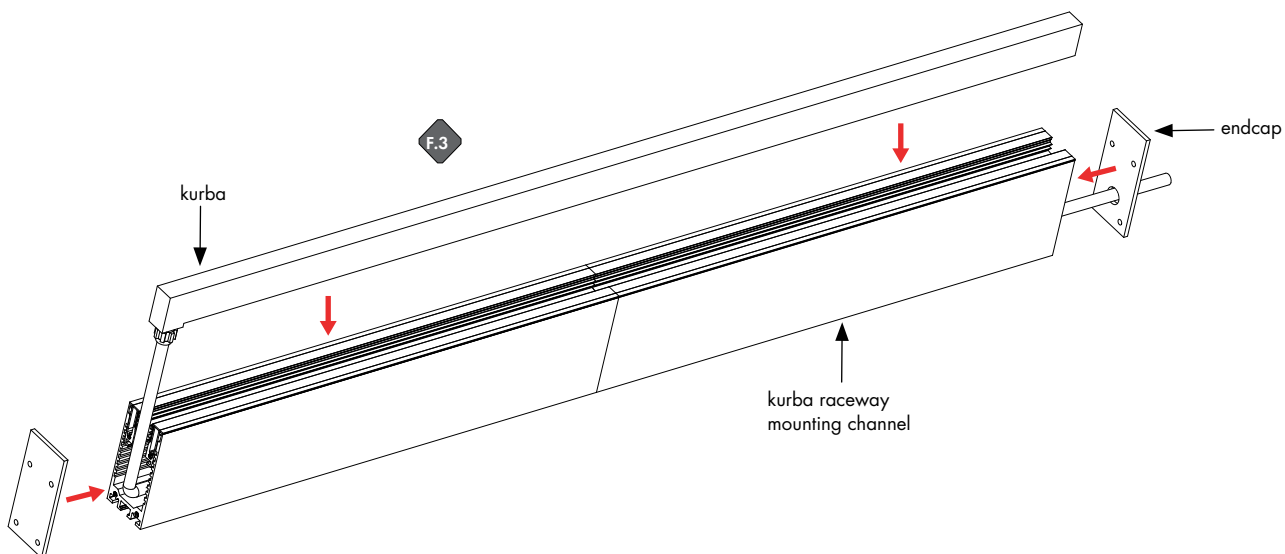
## KBL and KBS Raceway Mounting Channel

**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.

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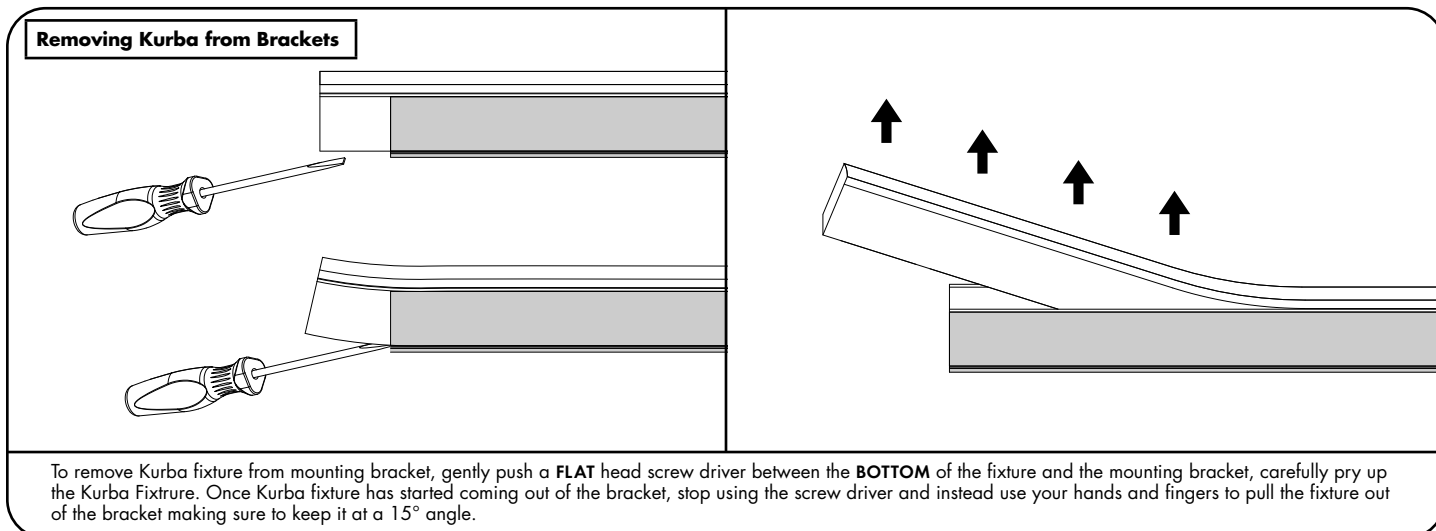
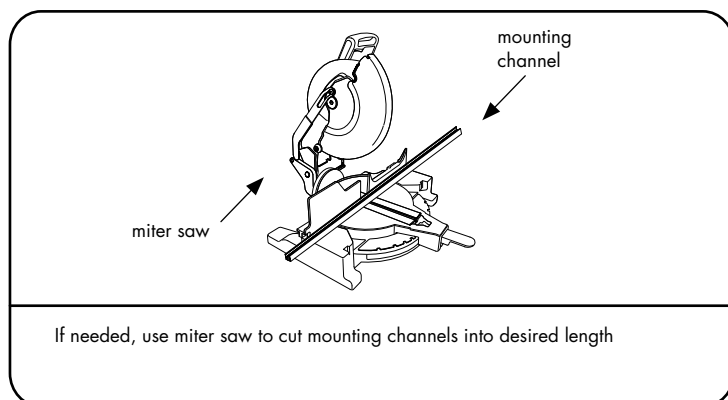
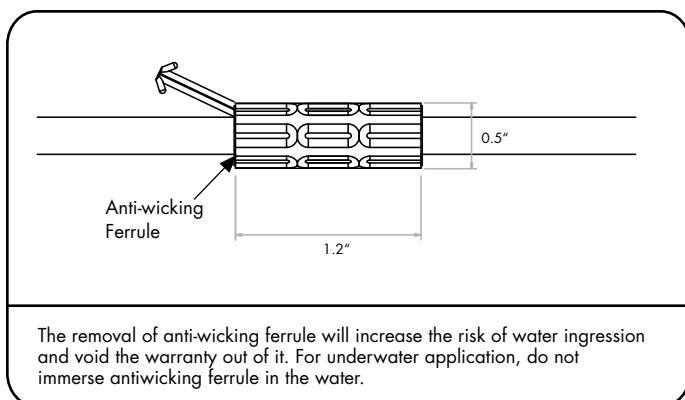
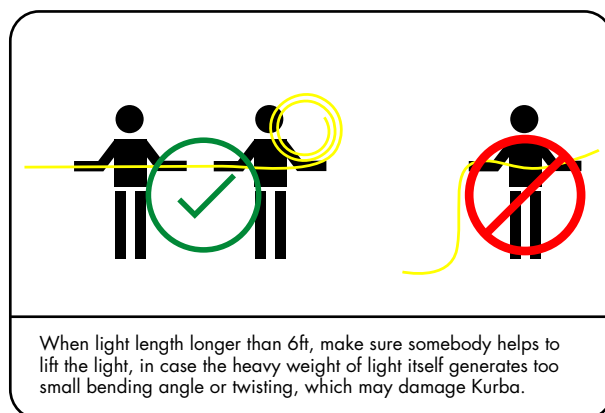
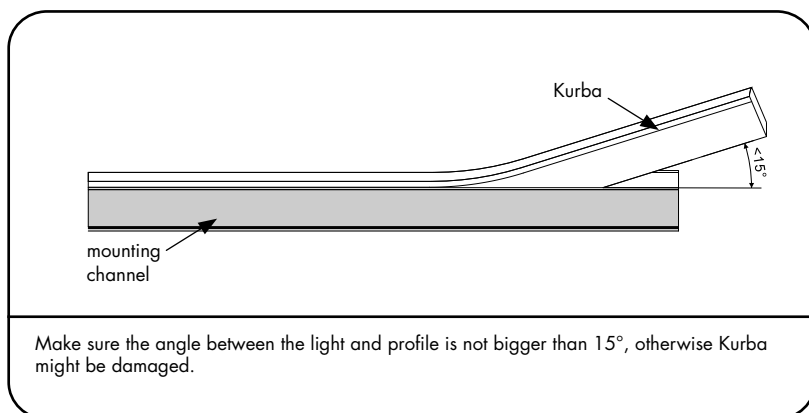
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## CAUTION: Reference to below when installing Kurba



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## 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.



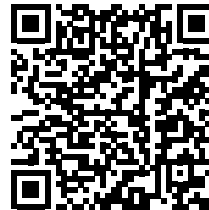
Static White  
[Wiring Diagram PDF](#)



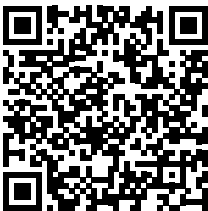
RGB/RGBW  
[Wiring Diagram PDF](#)



Pixel  
[Wiring Diagram PDF](#)



Tunable White  
[Wiring Diagram PDF](#)



Warm Dim  
[Wiring Diagram PDF](#)