

# 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



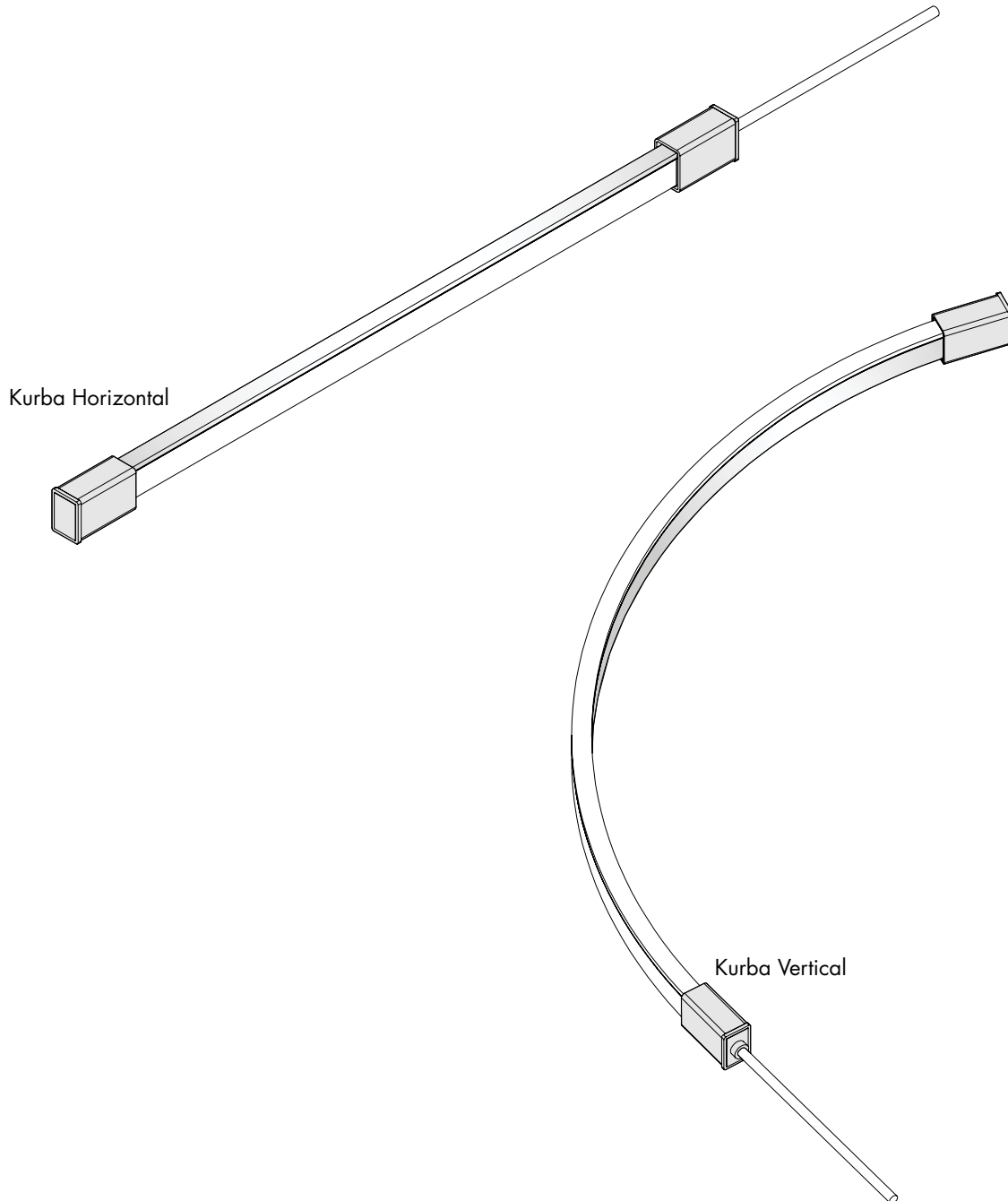
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T 224.333.6033  
F 224.757.7557  
info@luminii.com  
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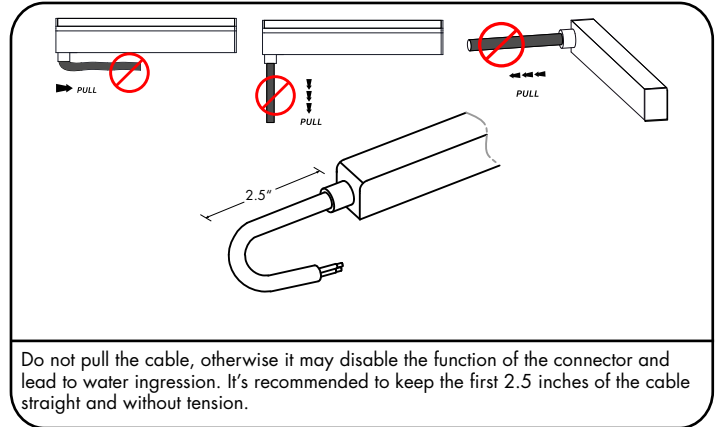
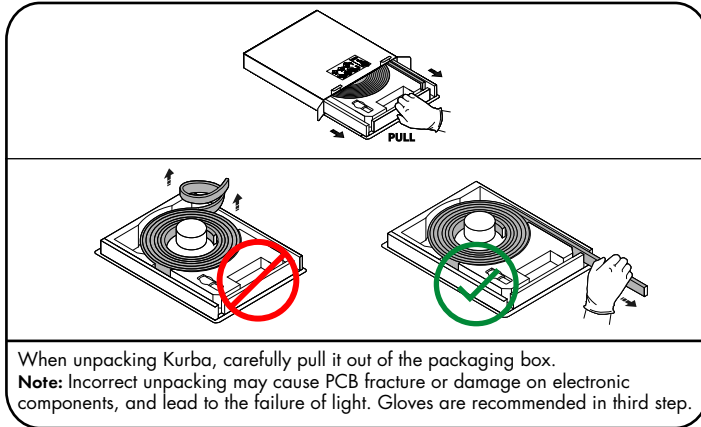
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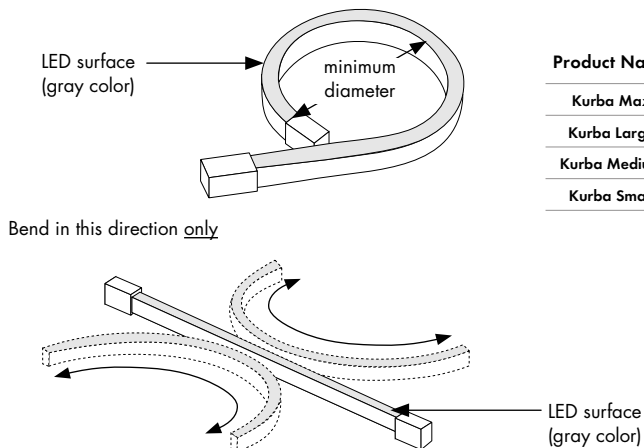
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## CAUTION: Reference to below before installing Kurba



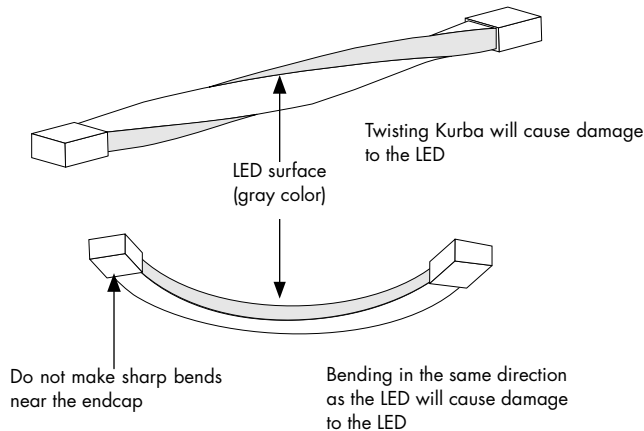
### Kurba Horizontal

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



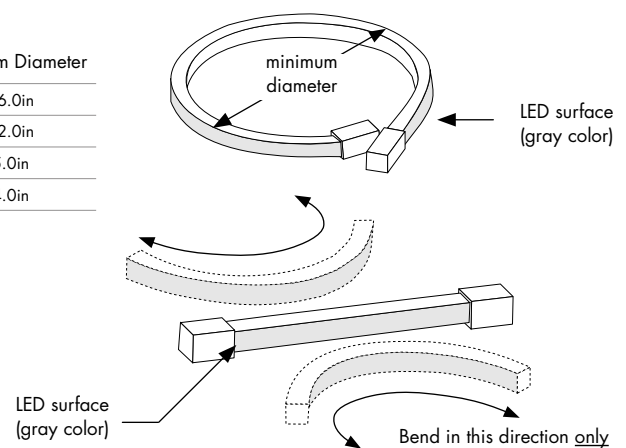
Product Name	Minimum Diameter
Kurba Max	16.0in
Kurba Large	12.0in
Kurba Medium	5.0in
Kurba Small	4.0in

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

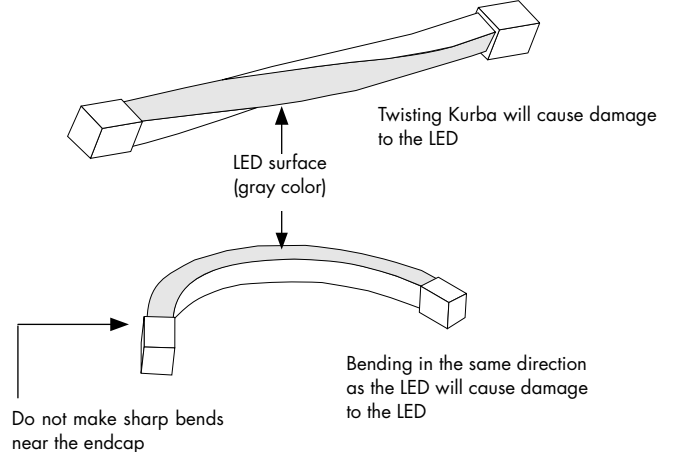


### Kurba Vertical

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



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



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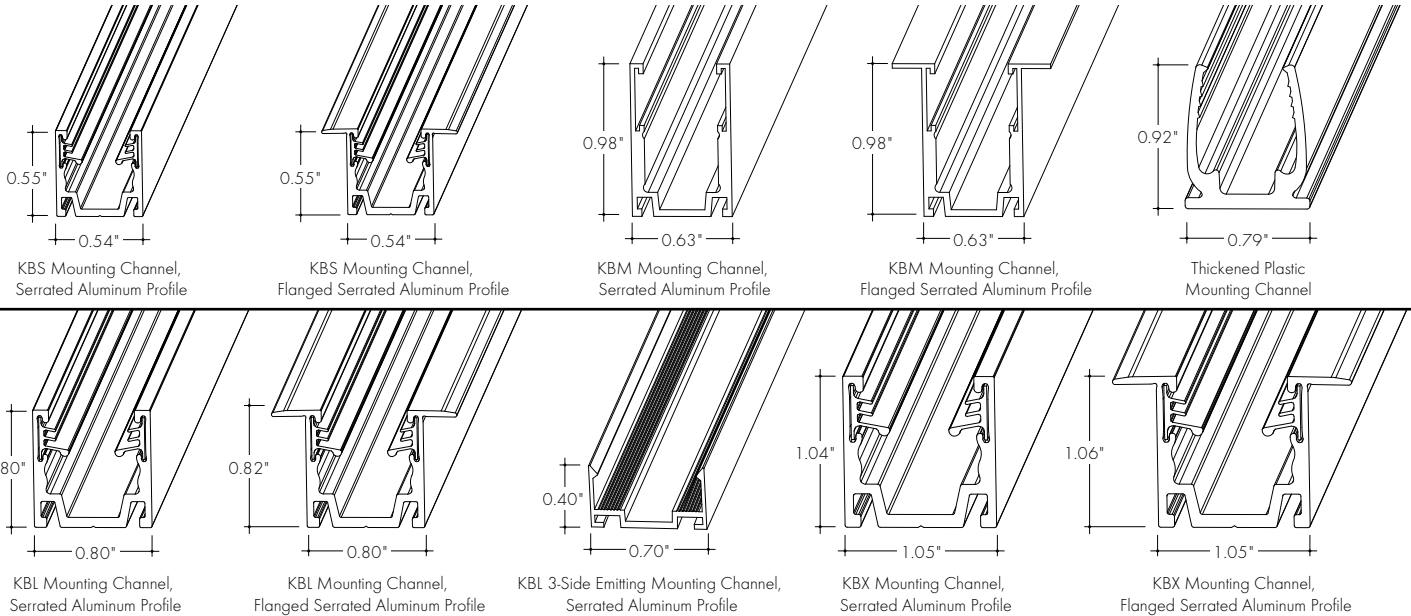


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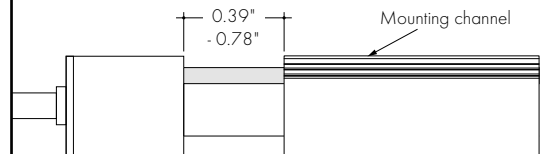
**NOTE:** All straight mounting channels listed below should refer to this step during the installation.

## 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.

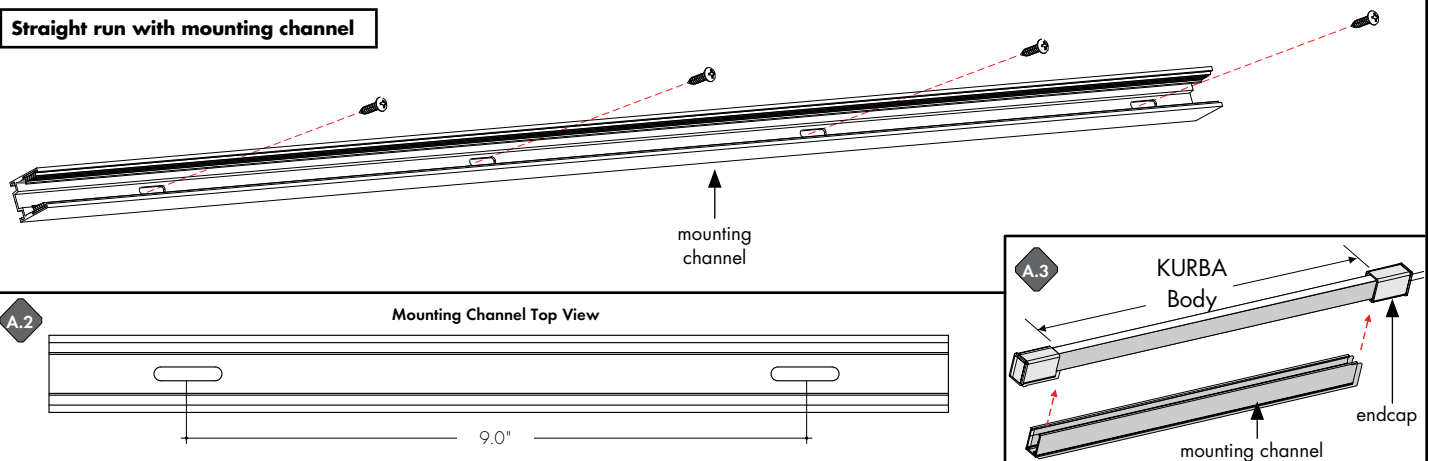
**NOTE:** More than one person is recommended for this installation.



**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.

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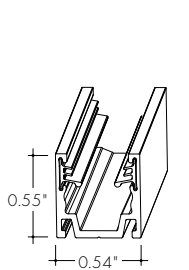
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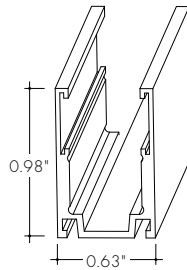
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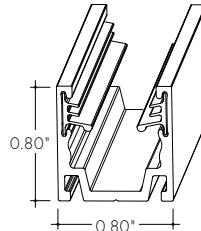
## Mounting brackets



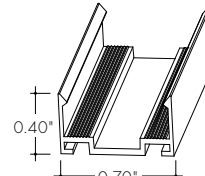
KBS Mounting Channel,  
Serrated Aluminum Profile



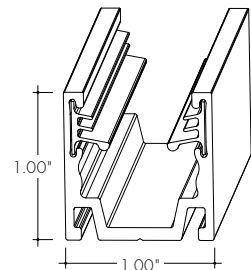
KBM Mounting Channel,  
Serrated Aluminum Profile



KBL Mounting Channel,  
Serrated Aluminum Profile



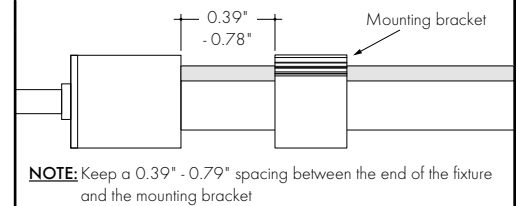
KBL 3-Side Emitting Mounting Channel,  
Serrated Aluminum Profile



KBX Mounting Channel,  
Serrated Aluminum Profile

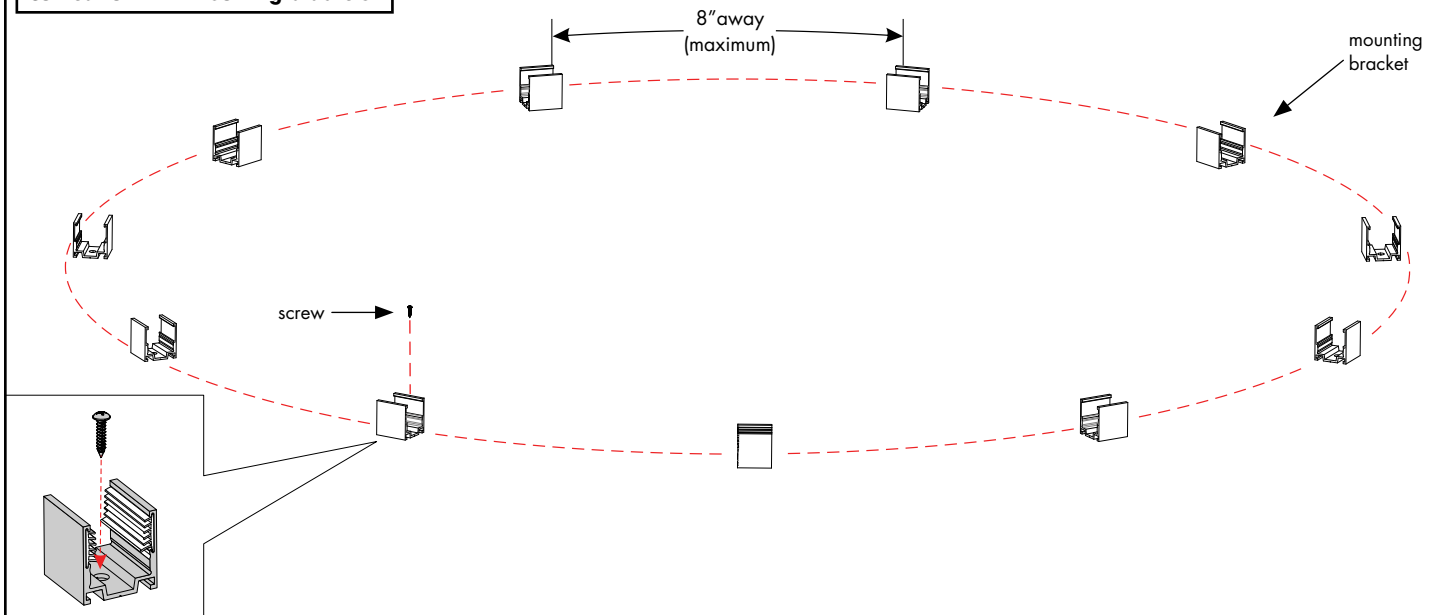
**NOTE:** Prior to installation all 24VDC wires must be present within 72" of the installation. Refer to the power supply installation instruction for additional information.

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



- 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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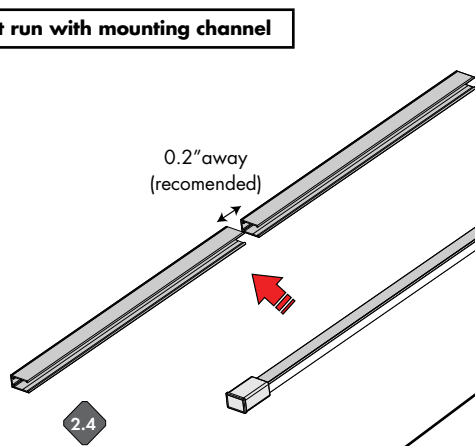
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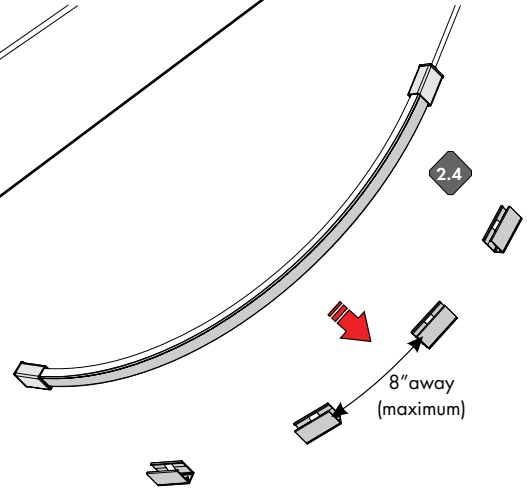


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## Straight run with mounting channel



## 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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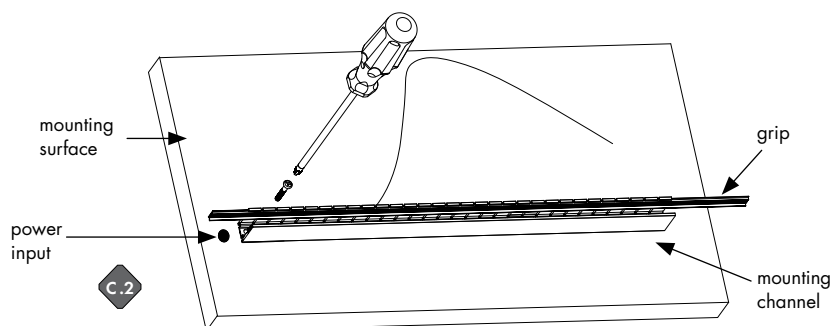
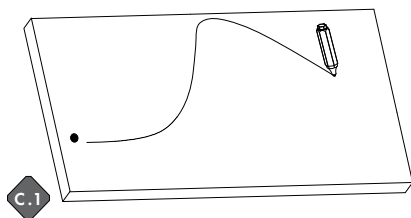
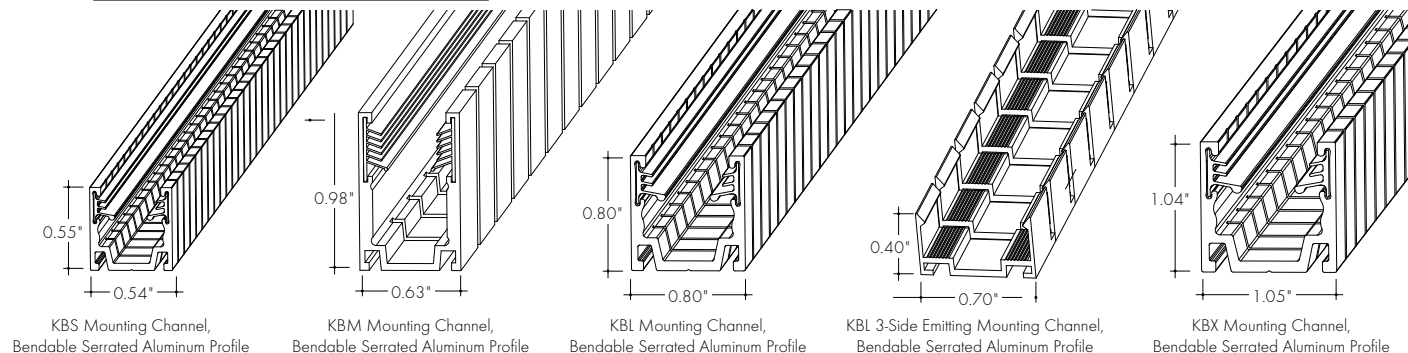


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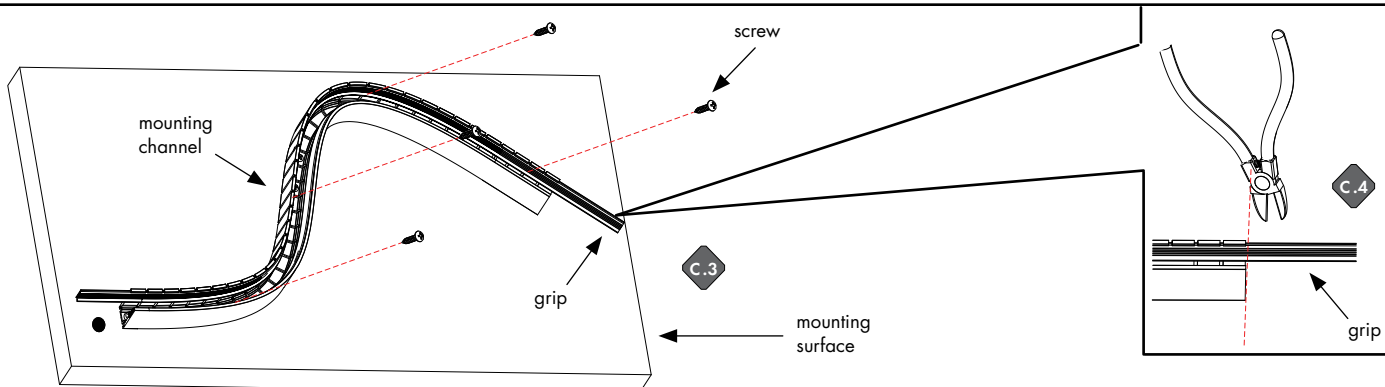
**NOTE:** All straight mounting channels listed below should refer to this step during the installation.

## 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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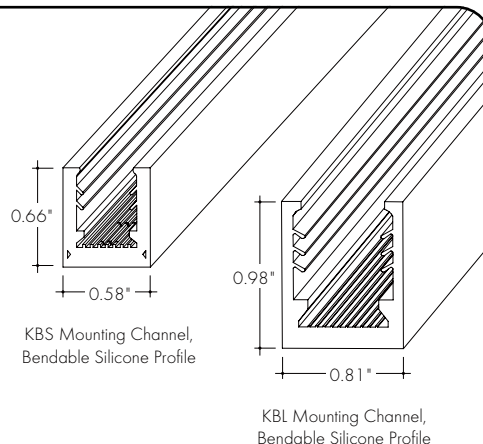
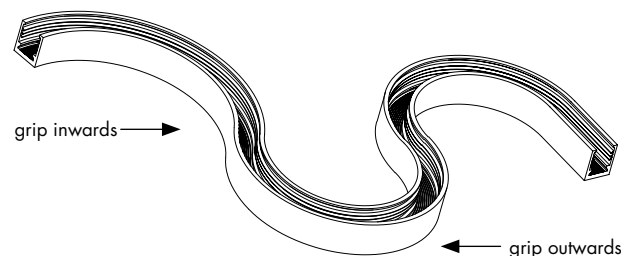


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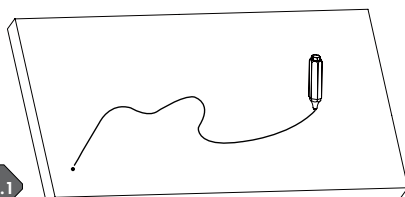
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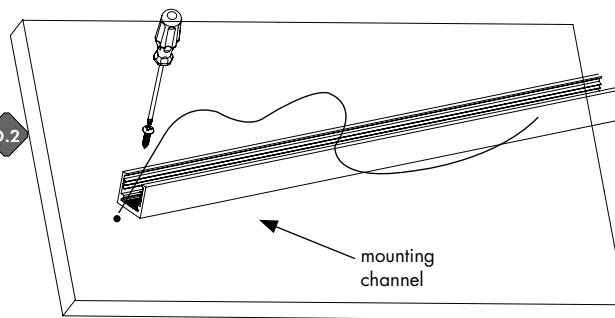
## KBL and KBS Mounting Channel, Bendable Silicone Profile



D.1



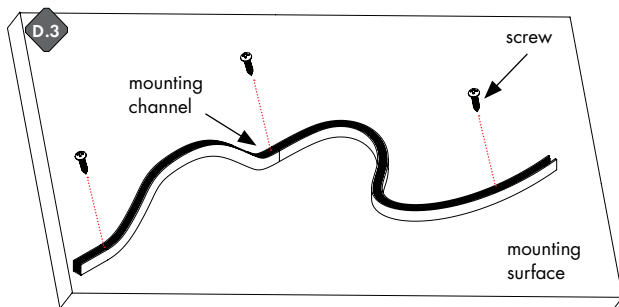
D.2



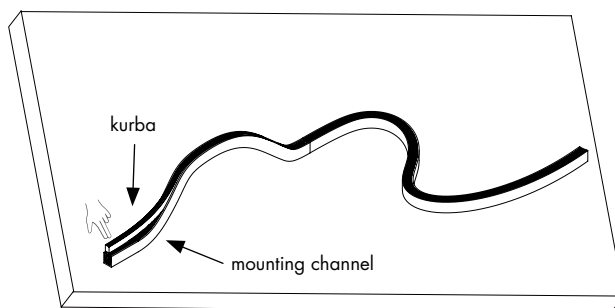
**D.1** Mark the required shape on the mounting surface.

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

D.3



D.4



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

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

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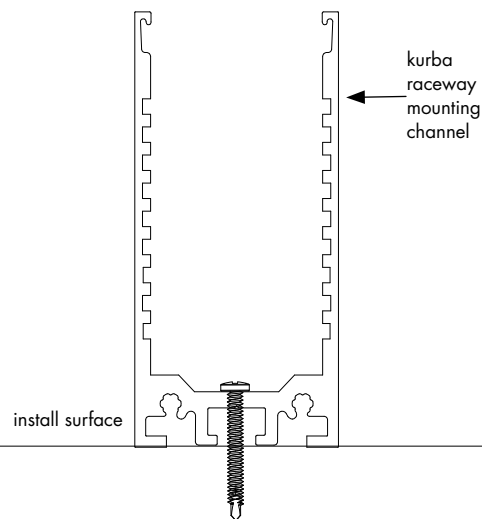
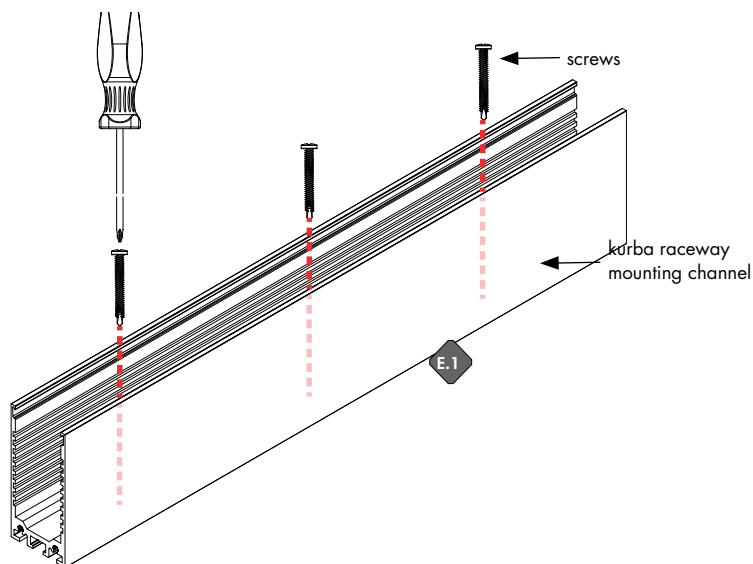


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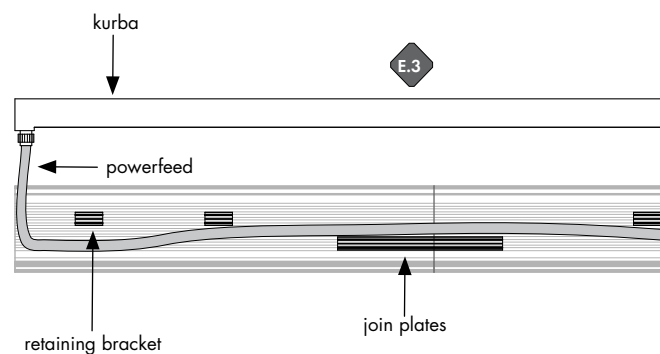
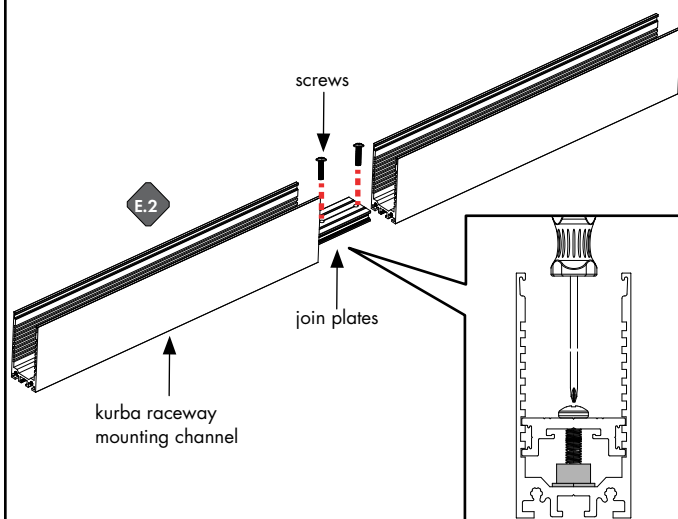
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## KBL and KBS Raceway Mounting Channel

**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 power feed goes under retaining bracket (factory installed) and above join plates.



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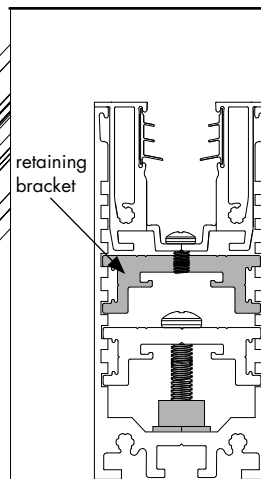
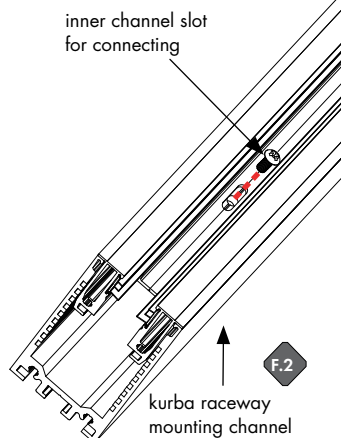
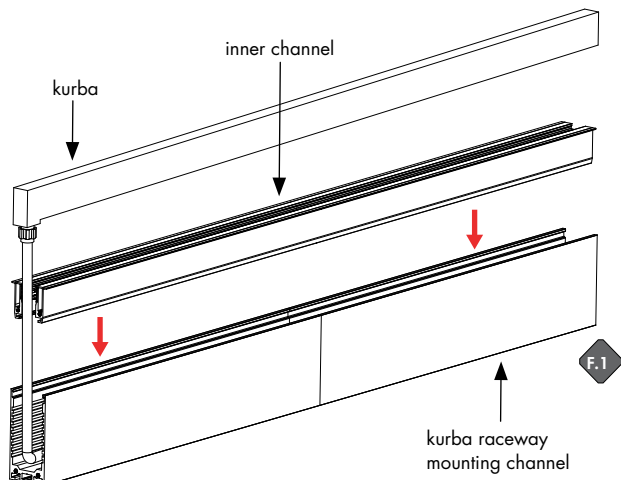


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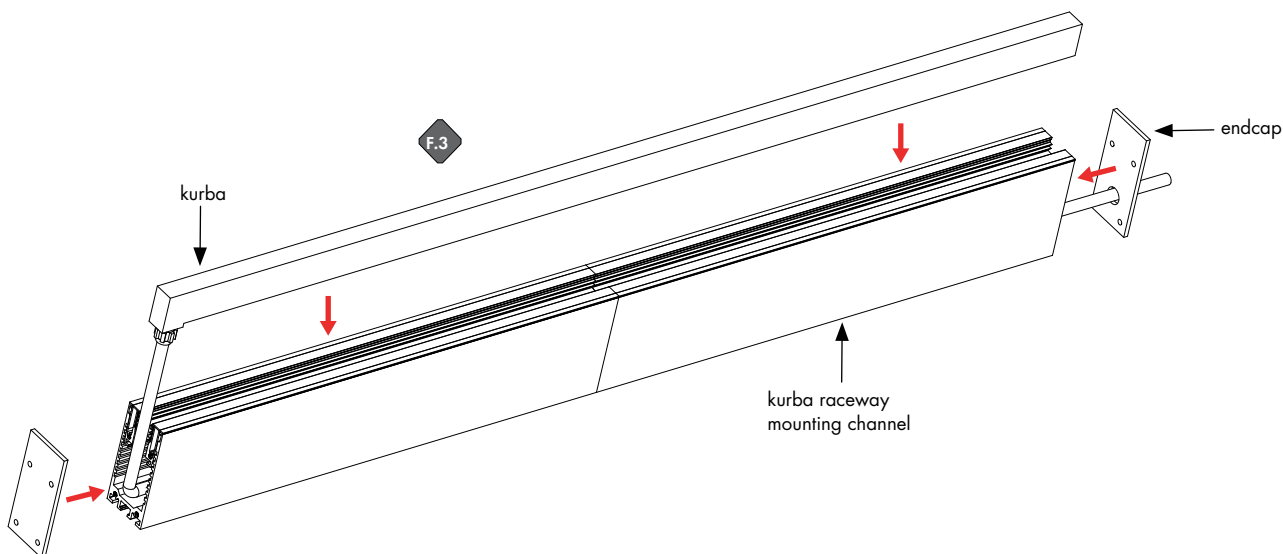
## KBL and KBS Raceway Mounting Channel

**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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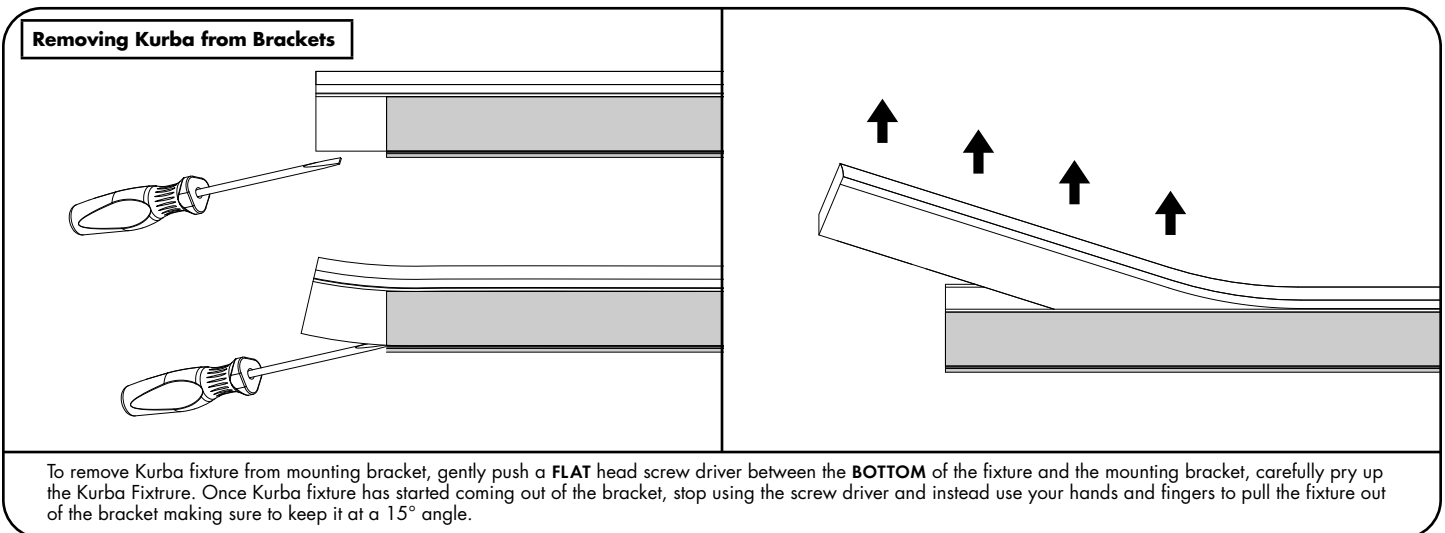
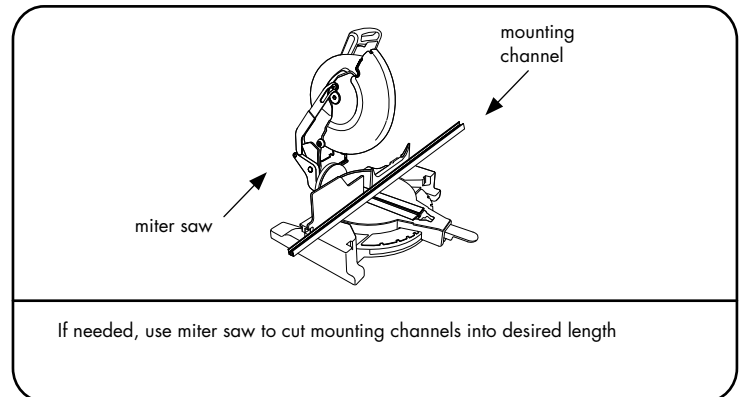
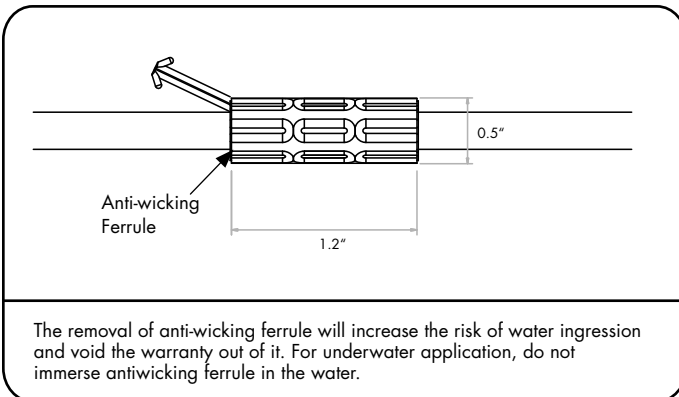
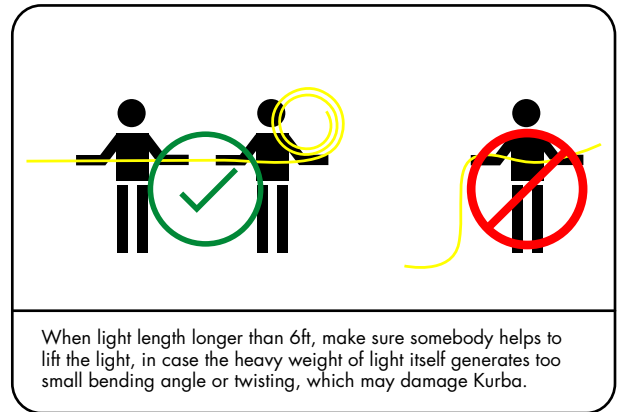
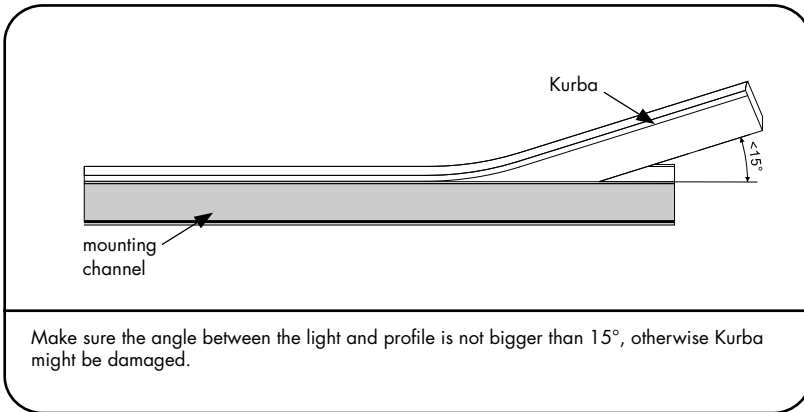
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## Power Supply Wiring Diagram

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



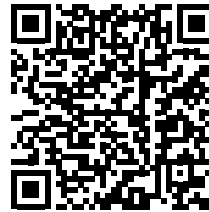
Static White  
[Wiring Diagram PDF](#)



RGB/RGBW  
[Wiring Diagram PDF](#)



Pixel  
[Wiring Diagram PDF](#)



Tunable White  
[Wiring Diagram PDF](#)



Warm Dim  
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