

### Features

Kurba Large is a dot free direct view, highly versatile, energy efficient and flexible LED strip. Suitable for submersion max 16 ft deep and capable of horizontal/side bends and vertical/top bends with a 6" bending radius.

### Output Option

Smart Pixel offerings allow for infinite color combinations with cascading and chasing effects

### Average Life

50,000 hours

### Approvals

24VDC Class 2 wet listed, IP68

### Warranty

5 years

### Materials

PVC Material for high chlorine resistance.

Fresh water, sea water (salinity  $\leq 4\%$ ), swimming pool (chlorine  $\leq 5\text{ppm}$ , ozone  $\leq 3\text{ppm}$ )

### Finish Options (see page 2 for additional information)

Base ☐ White



## Technical Information

Bending Direction	Horizontal	Vertical
Output	SPI88SO	SPI88SO
Light Output at RGB30K	234 lm/ft	237 lm/ft
Average Power Consumption at 4'	6.71 W/ft	6.71 W/ft
Efficacy	35 lm/W	35 lm/W
Ordering Increment	3.28"	3.28"
Maximum Run Length (In Series)	14'	14'
Operating Temperature Range	-4°F to 95°F	-4°F to 95°F
Control/Dimming Protocol	SPI Protocol UCS 2904	SPI Protocol UCS 2904

## Ordering Code

MODEL	BEND DIRECTION	LENGTH	OUTPUT <sup>1</sup>	CCT	CRI	LENS <sup>3</sup>	MOUNTING	FINISH	FEED POSITION LEFT	FEED POSITION RIGHT
KBL-PL - Kurba Large Pool	HB - Horizontal Bending VB - Vertical Bending	SEE PCC CHART ON PAGE 5	SPI88SO - Smart Pixel Control, Standard Output	RGB27K - RGB 2700K RGB30K - RGB 3000K RGB40K - RGB 4000K	R80 - 80CRI	F - Frosted	NA - See Page 4 for orderable mounting accessories	WH - White	DUAL INJECTION MOLD DME - End Feed 1 DMB - Back Feed 1 DMSA - Side A Feed DMSB - Side B Feed <sup>2</sup> NPF - No Power Feed <sup>4</sup>	DUAL INJECTION MOLD DME - End Feed 1 DMB - Back Feed 1 DMSA - Side A Feed DMSB - Side B Feed <sup>2</sup> NPF - No Power Feed <sup>4</sup>

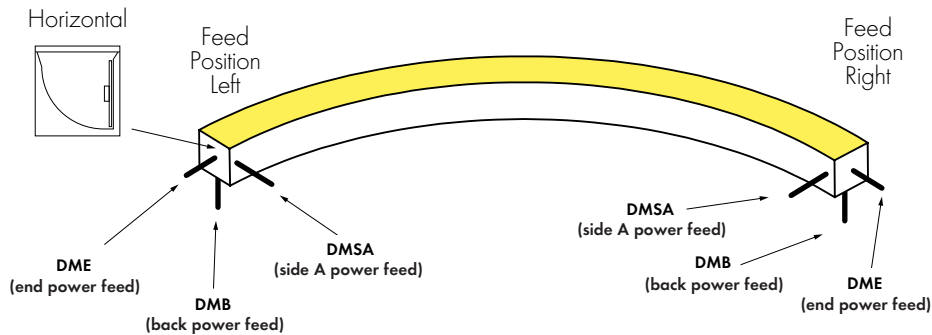
Feeds come with 30' wire leads

1 - DMSB - Side B Feed not available with HB - Horizontal Bending

2 - NPF-NPF for Feed Position 1&2 is not a valid configuration option

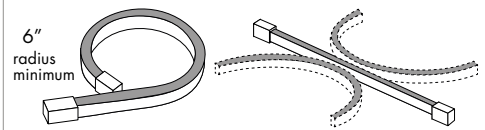
## Powerfeeds and Connectors

### Power Feed Position Options and Orientation



NOTE: IMSB - Side B Feed not available with HB - Horizontal Bending

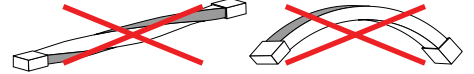
### Horizontal Bend Direction



Illuminated surface shown in gray

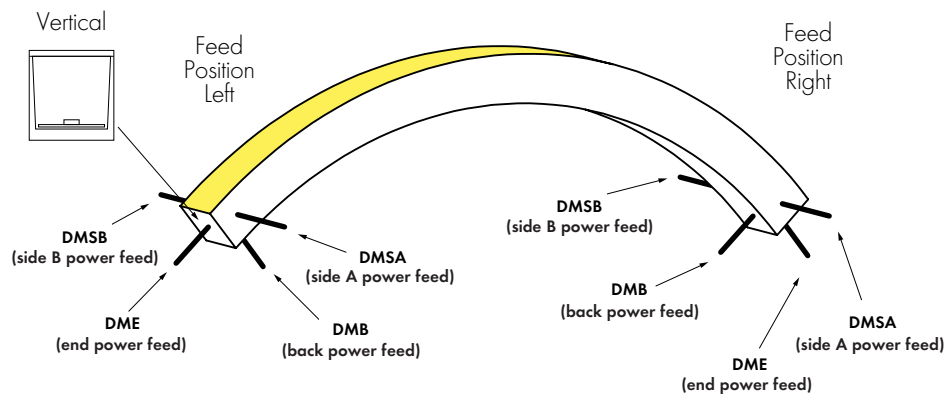
### Horizontal Prohibited Bends

Twisting or bending LED in these positions will cause damage



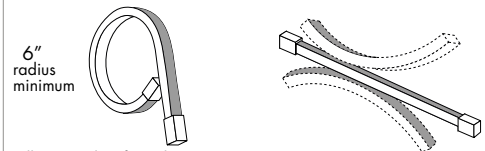
Illuminated surface shown in gray

Do not make sharp bends near the endcap



### Vertical Bend Direction

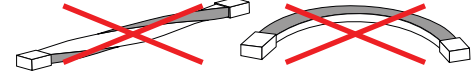
Bend LED in these positions only to avoid damage



Illuminated surface shown in gray

### Vertical Prohibited Bends

Twisting or bending LED in these positions will cause damage



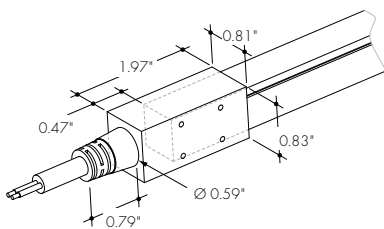
Illuminated surface shown in gray

Do not make sharp bends near the endcap

### Linking and Extension Cable Options

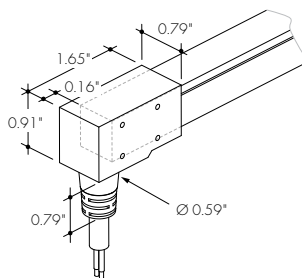
#### END CONNECTOR

Dual Injection-molded End Connector  
-DME



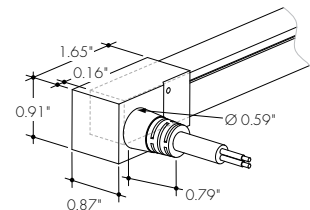
#### BACK CONNECTOR

Dual Injection-molded Back Connector  
-DMB



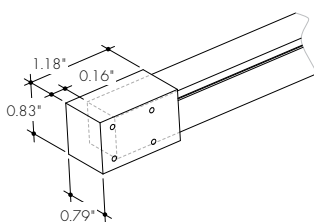
#### SIDE CONNECTOR

Dual Injection-molded Side Connector  
-DMSA and -DMSB



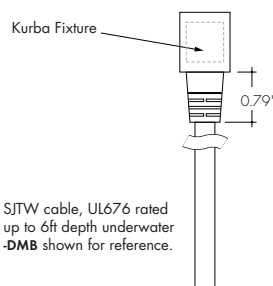
#### ENDCAP (NO CONNECTOR)

Dual Injection-molded Cap (No Connector)  
-NPF



#### SJTW CABLE

Included on every power feed wire



#### POWER FEED OPTIONS

Feeds come with 30' wire leads

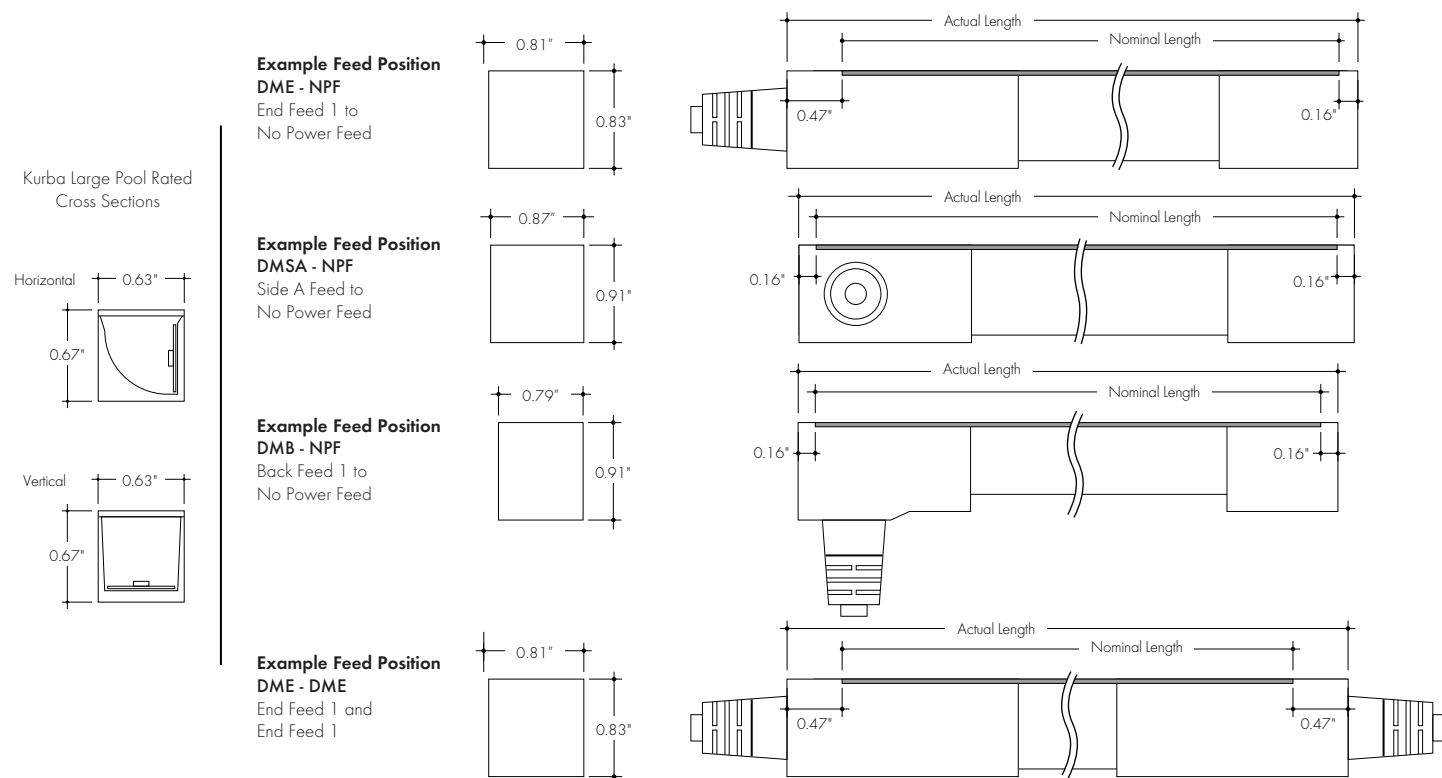
WH/RED/GRN/BLU

BK



3 Conductor  
18 AWG, SJTW

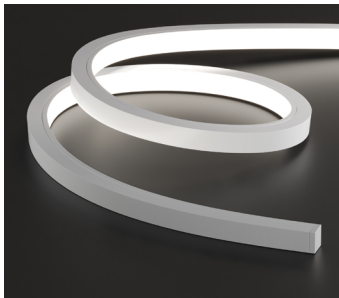
### Product Dimensions



### Finish Options

- A wide variety of finish options allowing complete customization of style and aesthetic.


#### White Base



Kurba's base finish is a crisp white which brings a timeless, clean aesthetic that brightens and enhances any space

Light Transmission and Dotting

Output Options	Lens/Accessory
	Silicone Frosted/ White Finish
SPI88SO	ND
Transmission Percentage	100%



CD SD ND

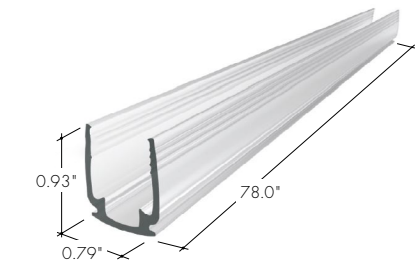
CD - Clear Dotting

SD - Slight Dotting

ND - No Dotting

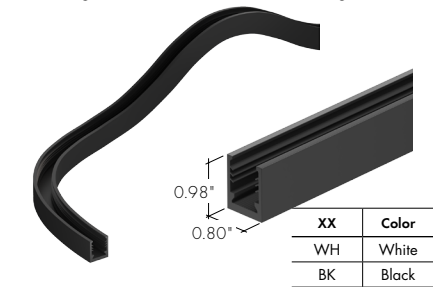
Mounting Accessories and Optional Connectors

**MC-PLSTC-KBL-78**  
Thickened Plastic Mounting Channel for  
underwater application, 78"



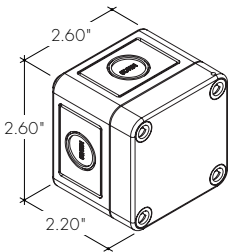
Includes 10 mounting screws

**MC-KBL-BANP-3D-SM-39-XX**  
KBL Mounting Channel, Bendable Silicone Profile,  
3D Bending, Surface Mount, 39", 6" bending radius

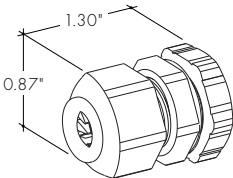


Includes 12 mounting screws

**LVSP-WET**  
Splice box: wet rated, low voltage, gray, IP66



**LVSP-WET-CM**  
Connector for splice box, low voltage for cable  
management, gray



## SPI88SO | Power Consumption Per Fixture Length

Based on operation with PS-UNI series of power supplies. Use Actual Length for Order Code Entry.

Tolerance for Actual Lengths less than 6 ft is  $\pm 0.2"$ , Actual Lengths between 6 ft and 16 ft is  $\pm 0.3"$ , and Actual Lengths greater than 16 ft is  $\pm 0.6"$

A - End Connector at both ends of Kurba (0.47" + 0.47" added to overall length)

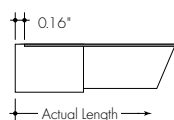
B - End Connector at one end of Kurba and No Connector or Back Connector or Side Connector at other end of Kurba (0.47" + 0.16" added to overall length)

C - Any combination of No Connector, Back Connector, or Side Connector on each end of Kurba (0.16" + 0.16" added to overall length)

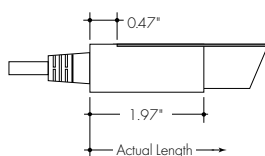
Actual Length (in)						Actual Length (in)					
Nominal Length (in)	W	A	B	C	Pixel QTY	Nominal Length (in)	W	A	B	C	Pixel QTY
7	4.2	7.5	7.2	6.9	2	125	63.2	125.6	125.3	125.0	38
10	6.0	10.8	10.5	10.2	3	128	64.8	128.9	128.6	128.3	39
(1 ft) 14	7.9	14.1	13.8	13.4	4	(11 ft) 132	66.5	132.2	131.9	131.5	40
17	9.7	17.3	17.0	16.7	5	135	68.1	135.4	135.1	134.8	41
20	11.5	20.6	20.3	20.0	6	138	69.8	138.7	138.4	138.1	42
(2 ft) 23	13.4	23.9	23.6	23.3	7	141	71.4	142.0	141.7	141.4	43
27	15.2	27.2	26.9	26.6	8	(12 ft) 145	73.1	145.3	145.0	144.7	44
30	17.0	30.5	30.2	29.8	9	148	74.7	148.6	148.3	148.0	45
33	18.9	33.7	33.4	33.1	10	151	76.4	151.9	151.5	151.2	46
(3 ft) 36	20.7	37.0	36.7	36.4	11	(13 ft) 155	78.0	155.1	154.8	154.5	47
40	22.5	40.3	40.0	39.7	12	158	79.7	158.4	158.1	157.8	48
43	24.4	43.6	43.3	43.0	13	161	81.3	161.7	161.4	161.1	49
46	26.2	46.9	46.6	46.2	14	164	83.0	165.0	164.7	164.4	50
(4 ft) 50	28.0	50.2	49.8	49.5	15	(14 ft) 168	84.6	168.3	167.9	167.6	51
53	26.9	53.4	53.1	52.8	16	171	86.3	171.5	171.2	170.9	52
56	28.5	56.7	56.4	56.1	17	Note: all values are rounded to the nearest 0.1 inch					
(5 ft) 59	30.2	60.0	59.7	59.4	18						
63	31.8	63.3	63.0	62.7	19						
66	33.5	66.6	66.2	65.9	20						
69	35.1	69.8	69.5	69.2	21						
(6 ft) 73	36.8	73.1	72.8	72.5	22						
76	38.4	76.4	76.1	75.8	23						
79	40.1	79.7	79.4	79.1	24						
(7 ft) 82	41.7	83.0	82.6	82.3	25						
86	43.4	86.2	85.9	85.6	26						
89	45.0	89.5	89.2	88.9	27						
92	46.7	92.8	92.5	92.2	28						
(8 ft) 96	48.3	96.1	95.8	95.5	29						
99	50.0	99.4	99.1	98.7	30						
102	51.6	102.6	102.3	102.0	31						
105	53.3	105.9	105.6	105.3	32						
(9 ft) 109	54.9	109.2	108.9	108.6	33						
112	56.6	112.5	112.2	111.9	34						
115	58.2	115.8	115.5	115.1	35						
(10 ft) 118	59.9	119.0	118.7	118.4	36						
122	61.5	122.3	122.0	121.7	37						

Note: all values are rounded to the nearest 0.1 inch

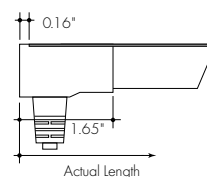
Dual injection Molded End Cap (DME)



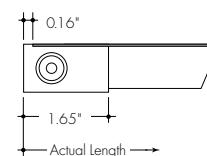
Dual injection Molded End Power Feed (DME)



Dual injection Molded Bottom Power Feed (DMB)



Dual injection Molded Side Power Feed (DMSA - DMSB)



## Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

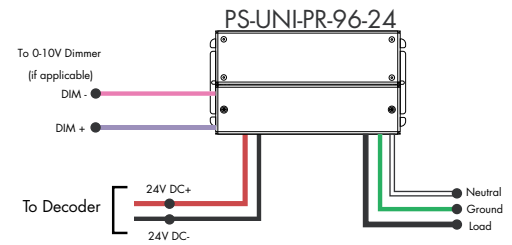
### Ordering Code - Universal Power Supply 1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	POWER	OUTPUT
PS - Pool & Spa Rated Power Supply	UNI - 0-10V, Phase Dimming	PR - Pool Rated	96 - 96 W	24 - 24 VDC

0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.

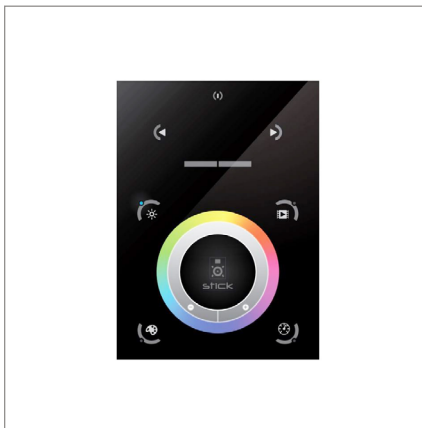
**Compatibility:** View a complete list of compatible dimmers on the PS-UNI-PR-96-24 product page.

MODELS	PS-UNI-PR-96-24
Length	8.71"
Width	4.56"
Depth	1.86"



## Touch DMX Controller

Touchscreen digital LED controller



ORDERING CODE

MODEL

**TSDMX-E**

TSDMX-E - Touchscreen DMX controller

Programmable advanced DMX512 lighting controller featuring a touch-screen interface. Operates as stand alone controller or integrated with most architectural lighting control systems. Can controller endless DMX512 enabled devices.

Mounts to standard single or dual gang wall box with the included power supply inside the junction box. Terminal block design for power and data connections.

### Features

- Sleek glass design which sits 0.43" from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control

### Power Supply

7 VDC (included)

### Programmability

PC, Mac, Tablet, Smartphone

### Output Signal

DMX512 (1024 channels)

### Color Parameters

- Brightness
- Saturation
- Speed of color changing sequence
- Fading / dimming / brightness

## Smart Pixel Decoder

SPI signal to DMX signal decoder



ORDERING CODE

MODEL

**SR-DMX-SPI**

SR-DMX-SPI - Smart Pixel Decoder

The SR-DMX-SPI is a smart LED pixel decoder that controls RGB/RGBW pixel LED strips with SPI signal. Designed with an OLED backlit panel, the pixel controller allows for easy configuration of most settings. Four push buttons are available for control of the LED functions.

\*For pixel only.

### Features

- 2 in 1 in-Wall Controller: DMX Control or Wireless RGB-W
- SPI signal output for RGB/RGBW pixel light control
- DMX512 controllable and RF/WIFI remote controllable
- Capable of addressing up to 1020 RGB pixels & 765 RGBW pixels
- OLED panel allows for easy configuration

### Operating Voltage

12 - 36V DC

### Power capacity

up to 96W at 24V

### Operating temperature range

from -4°F to +122°F in case