



Features

Kurba Vertical Pixel is a direct view, small profile, energy efficient and flexible LED strip suitable for wet locations capable of vertical/top bends up to 2.5" radius. Built with robust factory made power feeds or joiners, Kurba Vertical Pixel mounts to a specifically designed aluminum extruded channel.

Applications

Outdoor wet location

Operating Voltage

24VDC

Operating Temperature

-4°F to 113°F (-20°C to 45°C)

Average Life

50,000 hours

Approvals

Class 2 wet listed, IP67

Warranty

3 years



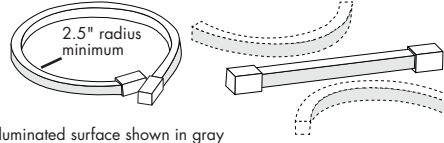
Technical Information

| Model | KBL-F-V-SPI-RGBW |
|-----------------------------------|---|
| LEDs/ft | 26 |
| Light Output | Red: 24 lm/ft Green: 58 lm/ft Blue: 9 lm/ft White: 58 lm/ft All On: 116 lm/ft |
| Average Power Consumption at 4' | 6.70 W/ft |
| Ordering Increment / Pixel Length | 3.28" |
| Maximum Run Length (In Series) | 16' |
| DMX Addresses Occupied | 4 channels per pixel |

Constraints

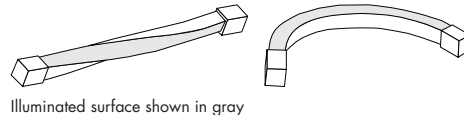
Bend Direction

Bend LED in these positions only to avoid damage



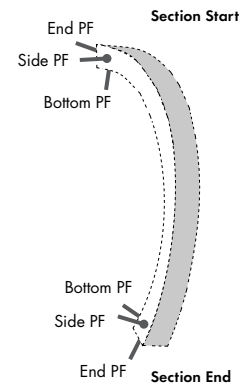
Prohibited Bends

Twisting or bending LED in these positions will cause damage



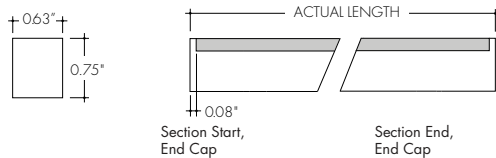
Note: for horizontal bends refer to Luminii KBM series
Do not make sharp bends near the endcap

Power Feed Locations

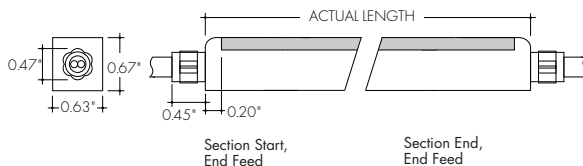


Section Start/End Power Feed Options

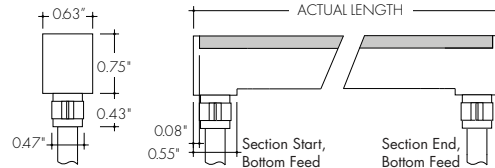
Injection Molded End Cap (IEC)



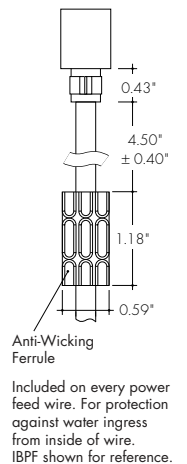
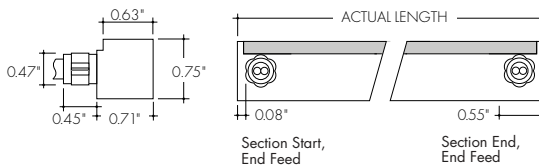
Injection Molded End Power Feed (IEPF)



Injection Molded Bottom Power Feed (IBPF)



Injection Molded Side Power Feed (ISPF)



Ordering Code

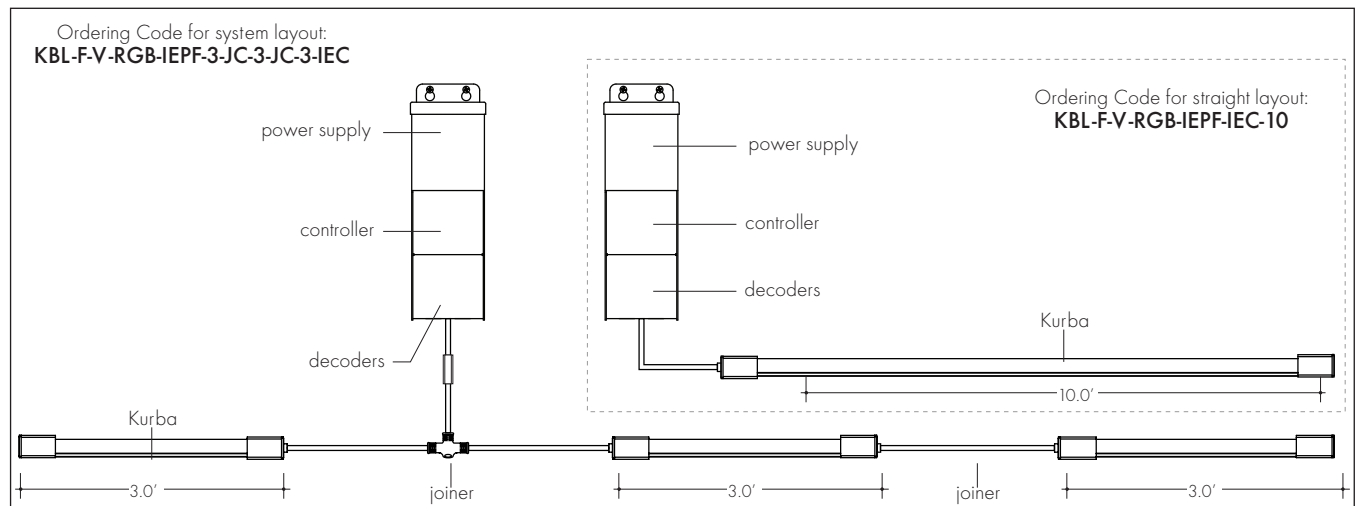
| MODEL | COLOR | SECTION START | SECTION END | ACTUAL LENGTH |
|---|--|--|--|---|
| KBL-F-V-SPI-Kurba Large, flat vertical, Smart Pixel Control | RGBW - Red, Green, Blue, White (4000K) | IEC- Injection Molded End Cap ¹ IEPF- Injection Molded End Power Feed (9' wire lead) ¹ IBPF- Injection Molded Bottom Power Feed (9' wire lead) ¹ ISPF- Side Power Feed (9' wire lead) ¹ | IEC- Injection Molded End Cap ¹ IEPF- Injection Molded End Power Feed (9' wire lead) ¹ IBPF- Injection Molded Bottom Power Feed (9' wire lead) ¹ ISPF- Side Power Feed (9' wire lead) ¹ | See Power Consumption table on page 4 for available lengths |

1 - 6-8 weeks lead time. Kurba injected-molded orders are non-cancellable. IEPF, IBPF, ISPF cannot be mixed and matched from Start to End except with IEC.

2 - ISPF Side power feeds selected for both Section Start and End will be located on the same side of the strip.

Kurba System Run

Sample layout



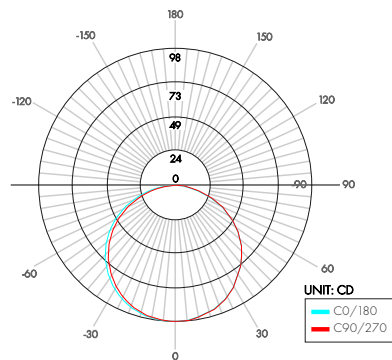
SECTION START/END OPTIONS

Joiner (JC)

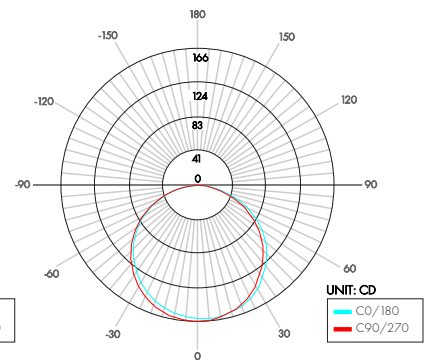


Candle Power Distribution (41K)

KBL-RGB-XX



KBL-RGBW-XX



Ordering Code

| MODEL | COLOR | SECTION START | FIXTURE LENGTH | JOINER TYPE | FIXTURE LENGTH | SECTION END |
|---|--|--|---|-------------|---|--|
| KBL-F-V | RGB | IEPF* | | JC | | IEC |
| KBL-F-V-SPI - Kurba Large, flat vertical, Smart Pixel Control | RGBW - Red, Green, Blue, White (4000K) | IEC - Injection Molded End Cap ¹ IEPF - Injection Molded End Power Feed (9' wire lead) ¹ IBPF - Injection Molded Bottom Power Feed (9' wire lead) ¹ ISPF - Side Power Feed (9' wire lead) ¹ | View table on page 1 for ordering increment | JC - Joiner | Reference page 3 additional information | IEC - Injection Molded End Cap ¹ IEPF - Injection Molded End Power Feed (9' wire lead) ¹ IBPF - Injection Molded Bottom Power Feed (9' wire lead) ¹ ISPF - Side Power Feed (9' wire lead) ¹ |

¹ - 4-8 week lead time, depending on length of the order.

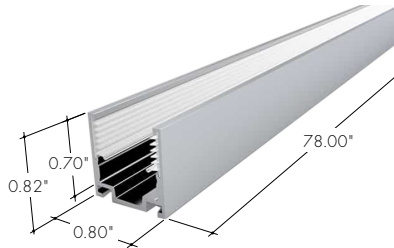
Each system run must be kept under power supply max wattage.

Refer to page 4 for power supply information. Additional runs can be added to system, by continuing the same ordering code logic reference sample above.

Mounting Accessories & Optional Connectors

MC-NFS-KBL-F-V-78

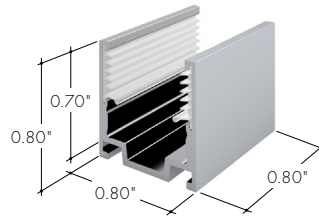
Mounting Channel with Grip, 78"



Aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

MB-KBL-F-V-ST

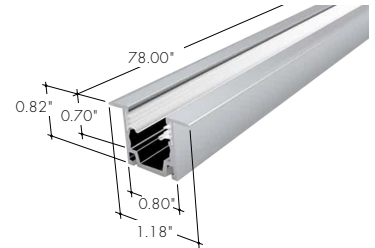
Mounting Bracket with Grip



Aluminum mounting bracket providing grip. For use with light strip mounted to the ceiling. 1 recommended every 8 in.

MC-FS-KBL-F-V-78

Flanged Mounting Channel with grip, 78"



Flanged aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

MC-BNS-KBL-F-V-34

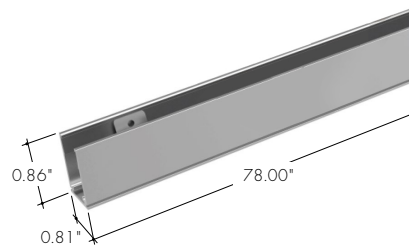
Bendable Mounting Channel with grip, 34"



Bendable stainless steel mounting channel providing grip. For use with light strip mounted to the ceiling.

MC-KBL-F-V-78

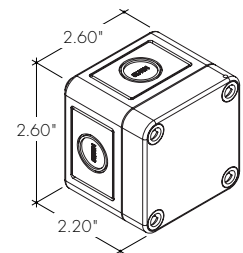
Mounting Channel, 78"



IK08 rated, when aluminum channel used throughout the complete installation.

LVSP-WET

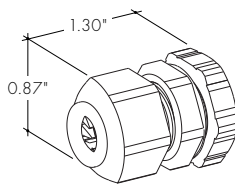
Splice Box



Wet rated, low voltage splice box, gray.

LVSP-WET-CM

Connector



Low voltage splice box wet cable management, gray.

Power Consumption Per Fixture Length

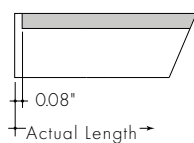
Based on operation with PSD series of power supplies. Use Actual Length for Order Code Entry

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 $\pm 0.6"$

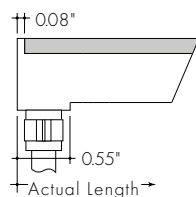
| Nominal Length [inches] | W | Actual Length [inches] | | | Nominal Length [inches] | W | Actual Length [inches] | | |
|----------------------------|------|------------------------|--------------|---------------------|----------------------------|------|------------------------|--------------|---------------------|
| | | IEPF IEPF | IEC IEPF | IEC IBPF ISPF | | | IEPF IEPF | IEC IEPF | IEC IBPF ISPF |
| 4 | 2.1 | 3.7 | 3.6 | 3.4 | 112 | 56.3 | 111.9 | 111.8 | 111.7 |
| 7 | 3.9 | 7.0 | 6.8 | 6.7 | 115 | 58.0 | 115.2 | 115.1 | 115.0 |
| 10 | 5.7 | 10.2 | 10.1 | 10.0 | (10 ft) 118 | 59.6 | 118.5 | 118.4 | 118.3 |
| (1 ft) 14 | 7.6 | 13.5 | 13.4 | 13.3 | 122 | 61.3 | 121.8 | 121.7 | 121.5 |
| 17 | 9.4 | 16.8 | 16.7 | 16.6 | 125 | 62.9 | 125.1 | 124.9 | 124.8 |
| 20 | 11.2 | 20.1 | 20.0 | 19.8 | 128 | 64.6 | 128.3 | 128.2 | 128.1 |
| (2 ft) 23 | 13.1 | 23.4 | 23.2 | 23.1 | (11 ft) 132 | 66.2 | 131.6 | 131.5 | 131.4 |
| 27 | 14.9 | 26.6 | 26.5 | 26.4 | 135 | 67.9 | 134.9 | 134.8 | 134.7 |
| 30 | 16.7 | 29.9 | 29.8 | 29.7 | 138 | 69.5 | 138.2 | 138.1 | 137.9 |
| 33 | 18.6 | 33.2 | 33.1 | 33.0 | 141 | 71.2 | 141.5 | 141.4 | 141.2 |
| (3 ft) 36 | 20.4 | 36.5 | 36.4 | 36.2 | (12 ft) 145 | 72.8 | 144.8 | 144.6 | 144.5 |
| 40 | 22.2 | 39.8 | 39.6 | 39.5 | 148 | 74.5 | 148.0 | 147.9 | 147.8 |
| 43 | 24.1 | 43.0 | 42.9 | 42.8 | 151 | 76.1 | 151.3 | 151.2 | 151.1 |
| 46 | 25.9 | 46.3 | 46.2 | 46.1 | (13 ft) 155 | 77.8 | 154.6 | 154.5 | 154.4 |
| (4 ft) 50 | 27.7 | 49.6 | 49.5 | 49.4 | 158 | 79.4 | 157.9 | 157.8 | 157.6 |
| 53 | 26.6 | 52.9 | 52.8 | 52.7 | 161 | 81.1 | 161.2 | 161.0 | 160.9 |
| 56 | 28.3 | 56.2 | 56.1 | 55.9 | 164 | 82.7 | 164.4 | 164.3 | 164.2 |
| (5 ft) 59 | 29.9 | 59.5 | 59.3 | 59.2 | (14 ft) 168 | 84.4 | 167.7 | 167.6 | 167.5 |
| 63 | 31.6 | 62.7 | 62.6 | 62.5 | 171 | 86.0 | 171.0 | 170.9 | 170.8 |
| 66 | 33.2 | 66.0 | 65.9 | 65.8 | 174 | 87.7 | 174.3 | 174.2 | 174.0 |
| 69 | 34.9 | 69.3 | 69.2 | 69.1 | 178 | 89.3 | 177.6 | 177.4 | 177.3 |
| (6 ft) 73 | 36.5 | 72.6 | 72.5 | 72.3 | (15 ft) 181 | 91.0 | 180.8 | 180.7 | 180.6 |
| 76 | 38.2 | 75.9 | 75.7 | 75.6 | 184 | 92.6 | 184.1 | 184.0 | 183.9 |
| 79 | 39.8 | 79.1 | 79.0 | 78.9 | 187 | 94.3 | 187.4 | 187.3 | 187.2 |
| (7 ft) 82 | 41.5 | 82.4 | 82.3 | 82.2 | (16 ft) 191 | 95.9 | 190.7 | 190.6 | 190.4 |
| 86 | 43.1 | 85.7 | 85.6 | 85.5 | | | | | |
| 89 | 44.8 | 89.0 | 88.9 | 88.7 | | | | | |
| 92 | 46.4 | 92.3 | 92.1 | 92.0 | | | | | |
| (8 ft) 96 | 48.1 | 95.5 | 95.4 | 95.3 | | | | | |
| 99 | 49.7 | 98.8 | 98.7 | 98.6 | | | | | |
| 102 | 51.4 | 102.1 | 102.0 | 101.9 | | | | | |
| 105 | 53.0 | 105.4 | 105.3 | 105.1 | | | | | |
| (9 ft) 109 | 54.7 | 108.7 | 108.5 | 108.4 | | | | | |

Note: all values are rounded to the nearest 0.1 inch

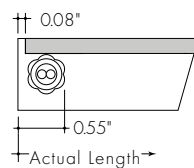
Injection Molded
End Cap (IEC)



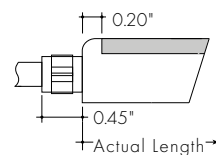
Injection Molded
Bottom Power Feed (IBPF)



Injection Molded
Side Power Feed (ISPF)



Injection Molded
End Power Feed (IEPF)



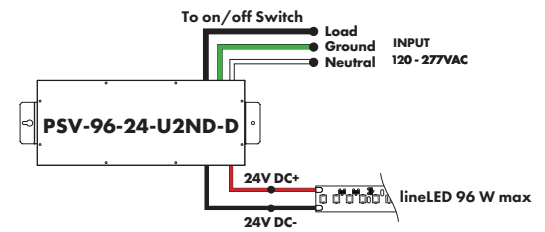
Power Supplies

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.

Non-Dimming Power Supply 120VAC - 277VAC

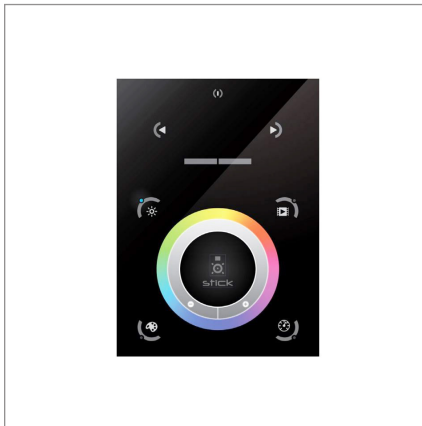
| MODEL | POWER | OUTPUT | DIMMING | LOCATION |
|------------------|--------------|-------------|--------------------|----------|
| PSV - PSV Series | 96 - 96 Watt | 24 - 24 VDC | U2ND - Non Dimming | D - Damp |

| MODELS | 96W |
|--------|--------|
| Length | 14.40" |
| Width | 5.20" |
| Depth | 2.60" |



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

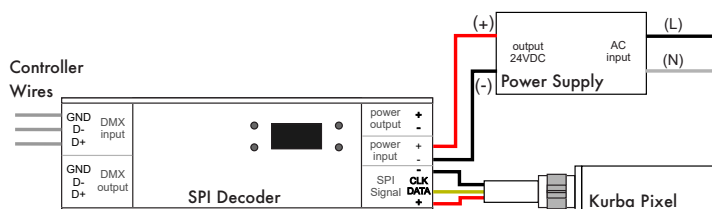


Model

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.



Operating voltage

12-36 VDC

Power capacity

up to 96W at 24V

Operating temperature range

from -4 °F to +122 °F in case

Features

- 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 RGB pixels
- OLED panel allows for easy configuration