



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

**Operating voltage**  
24 VDC

**Operating temperature**  
-4°F to 113°F  
(-20°C to 45°C)

**Average life**  
50,000 hours

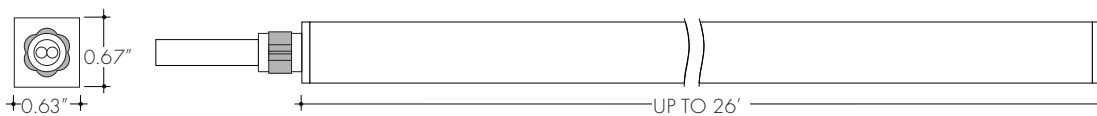
**Approvals**  
Class 2 wet listed, IP67

**Warranty**  
3 years

**Applications:**  
Outdoor wet location



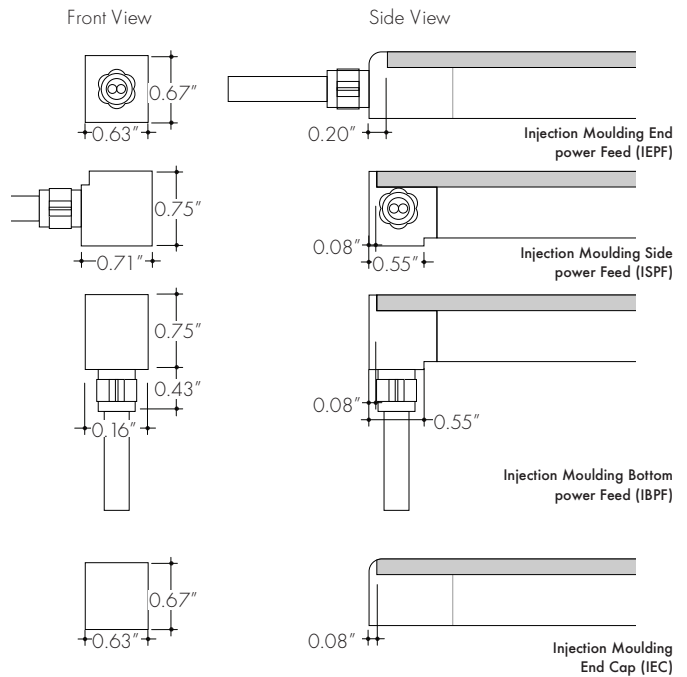
Kurba dimensions



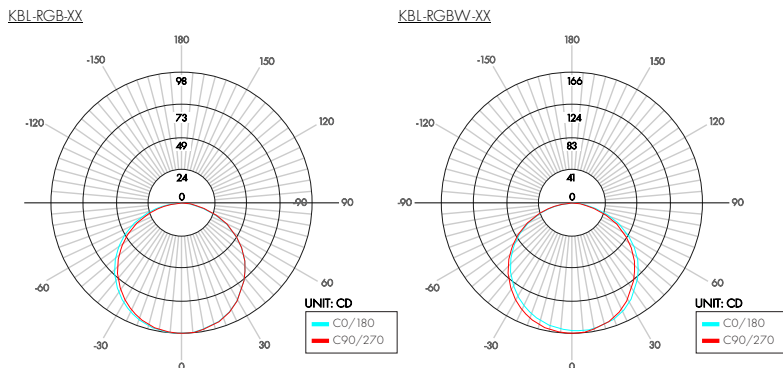
### Technical information

MODEL	RGB	RGBW (4000K)
LEDS/ft	26	26
Light output	Red: 18 lm/ft Green: 69 lm/ft Blue: 10 lm/ft All on: 97 lm/ft	Red: 18 lm/ft Green: 61 lm/ft Blue: 11 lm/ft White: 52 lm/ft All on: 145 lm/ft
Average power consumption at 4'	3.65 W/ft	4.57 W/ft
Ordering increment	3.28"	3.28"
Maximum run length (in series)	26 ft	20 ft

### Section Start/End Powerfeed option



### CANDLE POWER DISTRIBUTION



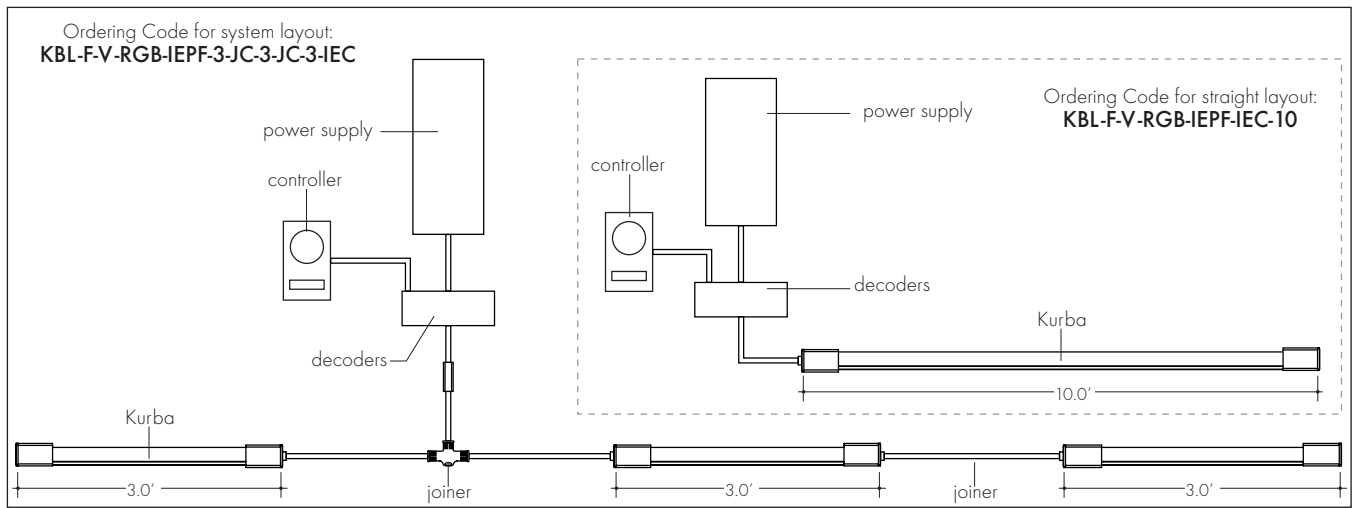
additional details on 3

### Ordering code for straight run

MODEL	COLOR	SECTION START	SECTION END	LENGTH
KBL-F-V	RGB	IEPF	IEC	
KBL-F-V - Kurba Large, flat vertical	RGB - Red, Green, & Blue RGBW - Red, Green, Blue, & White (4000K)	IEPF - Injection Moulding End power feed (72" wire lead) IBPF - Injection Moulding Bottom power feed (72" wire lead) ISPF - Side power feed (72" wire lead)	IEC - Injection Moulding End cap IEPF - Injection Moulding End power feed (72" wire lead) IBPF - Injection Moulding Bottom power feed (72" wire lead) ISPF - Side power feed (72" wire lead)	view table above for ordering increment, for additional information reference page 3

## Kurba System Run

### Sample layout



### SECTION START/END OPTIONS

Joiner (JC)



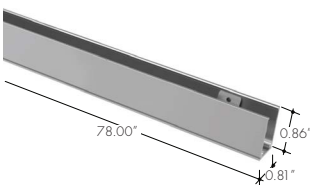
### Ordering code for system run

MODEL	COLOR	SECTION START	FIXTURE LENGTH	JOINER TYPE	FIXTURE LENGTH	SECTION END
<b>KBL-F-V</b> KBL - Kurba Large, flat vertical	<b>RGB</b> RGB - Red, Green, & Blue RGBW - Red, Green, Blue, & White (4000K)	<b>IEPF</b> IEC - Injection Moulding End cap IEPF - Injection Moulding End power feed (72" wire lead) IBPF - Injection Moulding Bottom power feed (72" wire lead) ISPF - Side power feed (72" wire lead)	view table on page 1 for ordering increment	<b>JC</b> JC - Joiner	reference page 3 additional information	<b>IEC</b> IEC - Injection Moulding End cap IEPF - Injection Moulding End power feed (72" wire lead) IBPF - Injection Moulding Bottom power feed (72" wire lead) ISPF - Side power feed (72" wire lead)

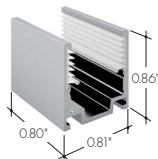
Each system run must be kept under power supply max wattage. Refer to page 4 for power supply information. Additional runs can be added to system, by continuing the same ordering code logic reference sample above.

### Mounting Accessories & Optional Connectors

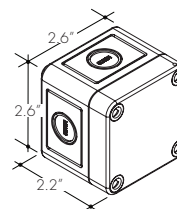
aluminum channel, **IK08 rated, when aluminum channel used throughout the complete installation.**  
Part # MC-KBL-F-V-78



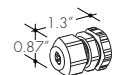
mounting bracket, recommended every 8 inches  
Part # MB-KBL-F-V-ST



Splice Box: Wet rated, low voltage splice box, gray  
Part # LVSP-WET



Connector: Low voltage splice box wet cable management gray  
Part # LVSP-WET-CM



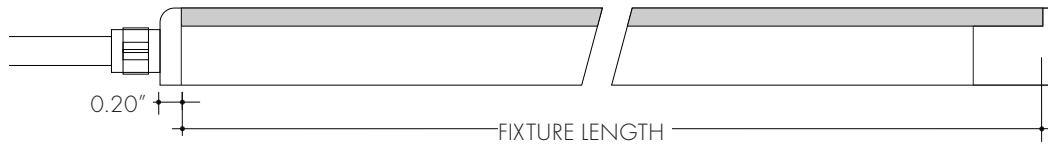
### Power consumption per fixture length

Based on operation with PSD series of power supplies.

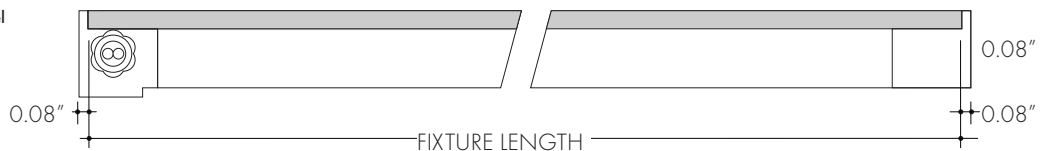
	RGB (max 26')	RGBW (max 20')	Cut Increment (3.28")	Actual Length (in)	Cut Increment (3.28")	Actual Length (in)	Cut Increment (3.28")	Actual Length (in)	Cut Increment (3.28")	Actual Length (in)
<b>Nominal Length</b>	<b>Total wattage</b>	<b>Total wattage</b>								
1'	3.65	4.57	1	3.28"	26	85.66"	51	168.04"	76 (21 FT)	250.42"
2'	6.40	8.00	2	6.58"	27	88.95"	52	171.34"	77	253.72"
3'	9.90	12.38	3 (1 FT)	9.87"	28	92.25"	53	174.63"	78	257.01"
4'	13.70	17.13	4	13.17"	29 (8 FT)	95.55"	54 (15 FT)	177.93"	79	260.31"
5'	16.40	20.50	5	16.46"	30	98.84"	55	181.22"	80 (22 FT)	263.60"
6'	20.10	25.13	6	19.76"	31	102.14"	56	184.52"	81	266.90"
7'	23.80	29.75	7 (2 FT)	23.05"	32 (9 FT)	105.43"	57	187.81"	82	270.19"
8'	26.50	33.13	8	26.35"	33	108.73"	58 (16 FT)	191.11"	83 (23 FT)	273.49"
9'	30.40	38.00	9	29.64"	34	112.02"	59	194.40"	84	276.78"
10'	34.10	42.63	10 (3 FT)	32.94"	35	115.32"	60	197.70"	85	280.08"
11'	36.80	46.00	11	36.23"	36 (10 FT)	118.61"	61 (17 FT)	201.00"	86	283.37"
12'	40.10	50.13	12	39.53"	37	121.91"	62	204.29"	87 (24 FT)	286.67"
13'	44.00	55.00	13	42.82"	38	125.20"	63	207.58"	88	289.96"
14'	46.70	58.38	14 (4 FT)	46.12"	39	128.50"	64	210.88"	89	293.26"
15'	50.50	63.13	15	49.41"	40 (11 FT)	131.79"	65 (18 FT)	214.17"	90	296.55"
16'	53.90	67.38	16	52.71"	41	135.10"	66	217.47"	91 (25 FT)	299.85"
17'	56.50	70.63	17	56.00"	42	138.38"	67	220.76"	92	303.14"
18'	60.40	75.50	18 (5 FT)	59.30"	43 (12 FT)	141.68"	68	224.06"	93	306.44"
19'	63.80	79.75	19	62.59"	44	144.97"	69 (19 FT)	227.35"	94	309.73"
20'	66.70	83.38	20	65.89"	45	148.27"	70	230.65"	95 (26 FT)	313.03"
21'	70.00		21 (6 FT)	69.18"	46	151.56"	71	233.95"		
22'	73.40		22	72.48"	47 (13 FT)	154.86"	72 (20 FT)	237.24"		
23'	76.00		23	75.77"	48	158.16"	73	240.54"		
24'	79.50		24	79.07"	49	161.45"	74	243.83"		
25'	82.10		25 (7 FT)	82.36"	50 (14 FT)	164.75"	75	247.13"		
26'	85.30									

Must take into consideration endcap (reference below) for complete length

Injection Moulding Model (End Feed)



Injection Moulding Model (Side & Bottom Feed)

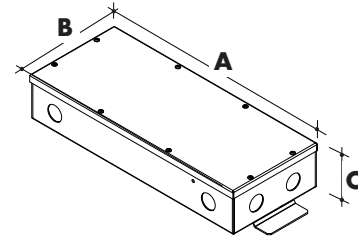


Power supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

Non-Dimming Power Supply

MODEL	POWER	OUTPUT	DIMMING	LOCATION
<b>PSV</b>	<b>96</b>	<b>24</b>	<b>U2ND</b>	<b>D</b>
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	U2ND - Non Dimming	D - Dry Location



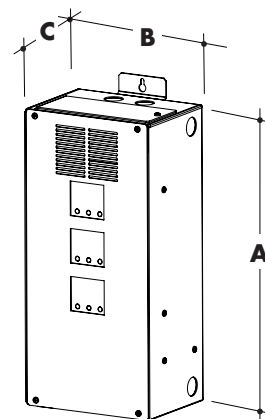
MODELS	96W
<b>A Length</b>	14.40"
<b>B Width</b>	5.20"
<b>C Depth</b>	2.60"

DMX Dimming Power Supplies

MODEL	POWER	OUTPUT
<b>PSDMX</b>	<b>96</b>	<b>24</b>
PSD - DMX Power Supply	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	96	3X96
<b>A Length</b>	14.40"	15.75"
<b>B Width</b>	5.20"	6.60"
<b>C Depth</b>	2.60"	4.80"



DMX-3Z-RGBW

RGBW LED 1 or 3 Zone Controller



DMX /Wireless RGB-W wall-mount controller controls DMX lighting fixtures, wireless control of RGB-W lighting fixture or use both simultaneously. Fits in any standard US switch box. Includes all the outputs in the back of the controller.

Control brightness levels with a single touch, personalize and memorize 3 different scenes, and even create 3 variations of white.

**Operating voltage**  
12 - 24V DC

**Features**

- 2 in 1 in-Wall Controller: DMX Control or Wireless RGB-W
- 65,000 Color Options, Dimming and Speed Control
- Memory Function
- 50 Foot Wireless Range
- Easily Fits Standard US Switch Boxes
- Touch Sensitive Glass Surface
- Includes 10 Built in Programs, or Create and Play Your Own

**Color parameters**

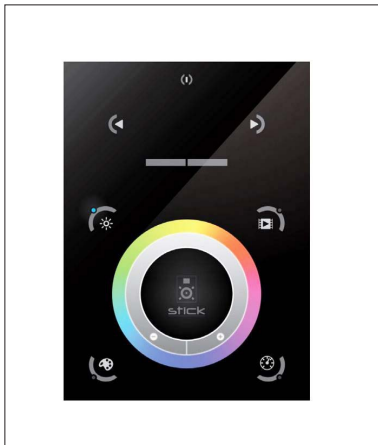
- Brightness
- Saturation
- Primary colors
- Fading
- Color changing speed

ORDERING CODE

Model	Zones	Color
<b>DMX</b>	<b>3Z</b>	<b>RGBW</b>
DMX - DMX controller	3Z - Three Zone 1Z - One Zone	RGBW - Red, Green, Blue & White

## 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.

### 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

### Key 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

## DMX decoder

DMX signal to RGBW decoder (required to operate DMX controller)



Translates controller DMX512 programs for RGB and white LED strips.

Unique DMX address for the decoder can be set easily and displayed by the numeric display on the case. Changing and resetting the DMX address requires manual input.

Use power repeater to expand output.

### Operating voltage

12-36 VDC

### Power capacity

up to 96W at 24V

### Operating temperature range

from -4 °F to +122 °F in case

### ORDERING CODE

Model

DDMX-RGBW

DDMX-RGBW - DMX decoder