





Kurba Large is a dot free direct view, highly versatile, energy efficient and flexible LED strip suitable for outdoor wet locations capable of horizontal/side bends and vertical/top bends with a 6" bending radius. The silicone material offers excellent heat, weather, UV, and solvent resistance and has a special coating to repel dust and dirt accumulation.

#### **Output Options**

2-Wire Warm Dim gradually warms the color temperature as you dim down the brightness

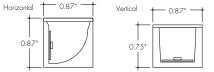
 Tunable White allows individual control of CCT and output

# Average Life (L70)

50,000 hours Approvals

24VDC Class 2 wet listed, IP68

Warranty 3 years



# Finish Options (see page 2 for additional information)

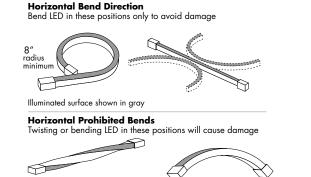
Base White



### **Technical Information**

Bending Direction	Hori	zontal	Vertical		
Output	тw	WD	тw	WD	
Light Output at 3000K	167 lm/ft	160 lm/ft	208 lm/ft	204 lm/ft	
Average Power Consumption at 4'	3.66 W/ft	3.66 W/ft	3.66 W/ft	3.66 W/ft	
Efficacy	46 lm/W	44 lm/W	57 lm/W	56 lm/W	
Ordering Increment	3.28″	2.46″	3.28″	2.46″	
Maximum Run Length (In Series)	19′	19′	19′	19′	
Operating Temperature Range	-40°F to 131°F	-40°F to 131°F	-40°F to 131°F	-40°F to 131°F	
Control/Dimming Protocol	0-10V, DMX	Phase & 0-10V	0-10V, DMX	Phase & 0-10V	

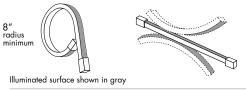
# Constraints



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



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

 $\bigcirc$ 

# **Ordering Code**

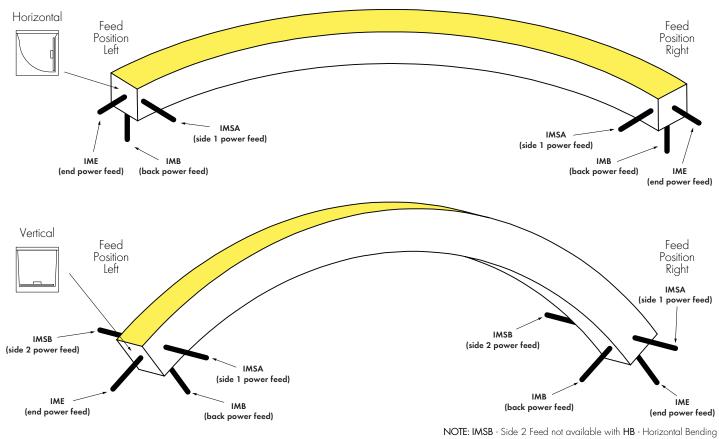
MODEL	RATING	BEND DIRECTION	LENGTH	OUTPUT	ССТ	LENS	MOUNTING	FINISH	FEED POSITION LEFT	FEED POSITION RIGHT
	-		-		-	-	-	-	-	-
KBX - Kurba Max	W-Wet	HB - Horizontal Bending VB - Vertical	SEE PCC CHART ON PAGES 7 & 8	WD59SO - Warm Dim, Standard Output	18K30K-1800K-3000K	SF - Silicone Frosted	NA - See Page 6 for orderable mounting	WH-White	INJECTION MOLD IME-End Feed 1 IMB-Back Feed 1	INJECTION MOLD
		Bending		TW51SO-Tunable White, Standard Output	22K57K-2200K-5700K		accessories			IMSA - Side 1 Feed IMSB - Side 2 Feed <sup>2</sup> NPF - No Power Feed <sup>3</sup>
1 - Title 24 JA8 com See Technical Inf			and Lens selections. Irts to calculate specific		eed not available with <b>HB</b> - Ho ed Position 1&2 is not a valid o		n			

L 12 REVO 1 07262



### **Powerfeeds and Connectors**

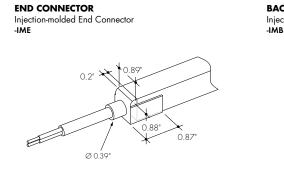






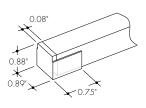
# **Powerfeed Options**

### **Horizontal Bend**

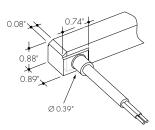


ENDCAP (NO CONNECTOR)

Injection-molded Cap (No Connector)

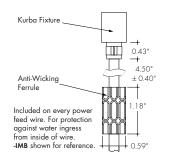


BACK CONNECTOR Injection-molded Back Connector -JMB SIDE CONNECTOR Injection-molded Side Connector -IMSA



### ANTI-WICKING FERRULE

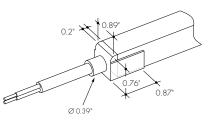
Included on every power feed wire



# Vertical Bend

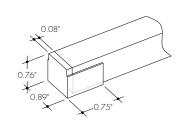
#### END CONNECTOR

Injection-molded End Connector -IME



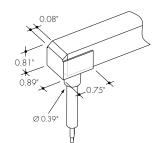
ENDCAP (NO CONNECTOR)

Injection-molded Cap (No Connector) -NPF



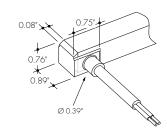
BACK CONNECTOR

Injection-molded Back Connector

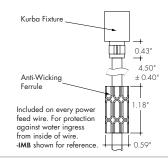


SIDE CONNECTOR

Injection-molded Side Connector -IMSA and -IMSB

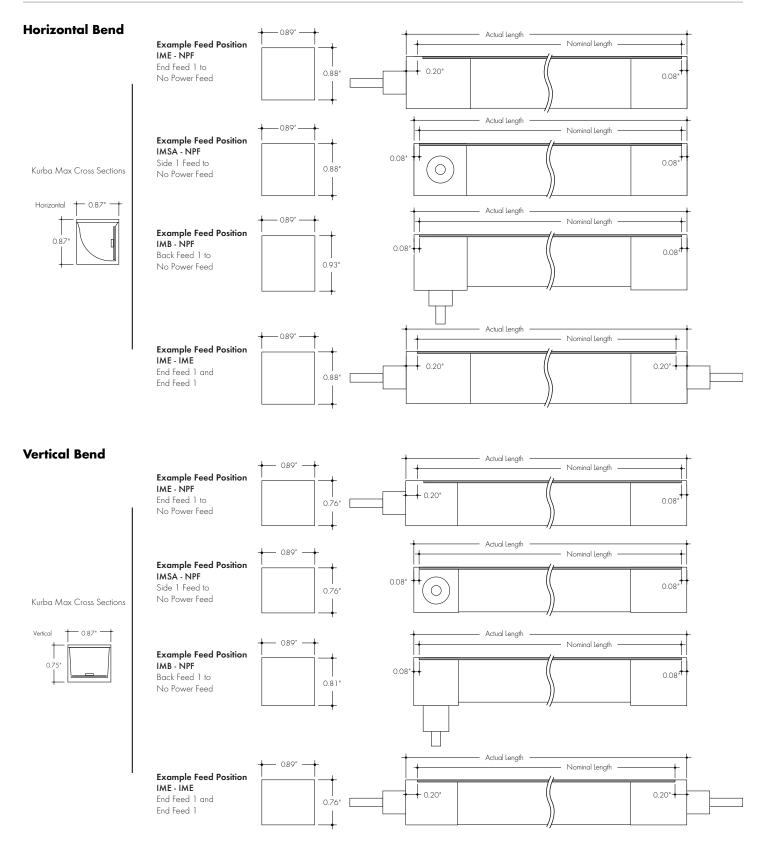


#### ANTI-WICKING FERRULE Included on every power feed wire





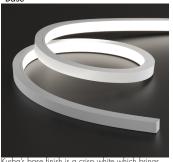
### Product Dimensions





# **Finish Options**

**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

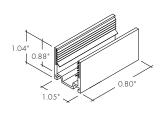
	Lens/Accessory
Output Options	Silicone Frosted/ White Finish
WD59SO	ND
TW51SO	ND
Transmission Percentage	100%

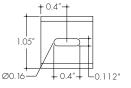


### **Mounting Accessories**

# MC-KBX-SAP-SM-0.8-SA

KBX Mounting Channel, Serrated Aluminum Profile, Surface Mount, 0.8in, Silver Anodized

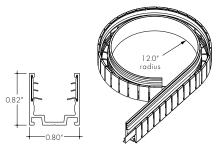




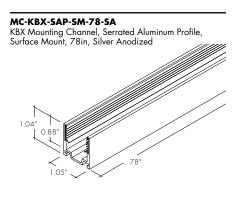
Aluminum mounting bracket providing grip. For use with light strip mounted to the ceiling. 1 recommended every 8 in.

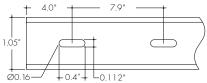
#### MC-KBX-BSAP-HB-SM-38-SA

KBX Mounting Channel, Bendable Serrated Aluminum Profile, Horizontal Bending, Surface Mount, 38in, Silver Anodized



Bendable stainless steel mounting channel providing grip. For use with light strip mounted to the ceiling. **NOTE:** Compatible with **HB** - Horizontal Bend only

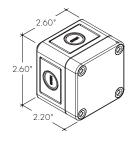


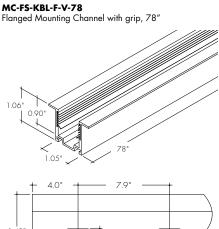


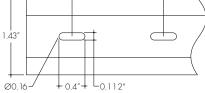
Aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

#### LVSP-WET

Splice box: wet rated, low voltage, gray



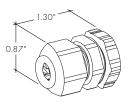




Flanged aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

#### LVSP-WET-CM

Connector for splice box, low voltage for cable management, gray





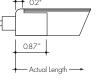
### TW44SO | Power Consumption Per Fixture Length

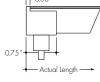
Based on operation with PDCU series of power supplies. Use Acutal Length for Order Code Entry. Tolerance for Actual Lengths less than 6 ft is +/- 0.2", Actual Lengths between 6 ft and 16 ft is +/- 0.3", and Actual Lengths greater than 16 ft is +/- 0.6" A - End Connector at both ends of Kurba (0.20" + 0.20" 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 (0.20" + 0.08" added to overall length) C - Any combination of No Connector, Back Connector, or Side Connector on each end of Kurba (0.08" + 0.08" added to overall length)

		Actuc	ıl Lengt	h (in)			Actuc	al Lengi	h (in)
Nominal Length (in)	W	A	В	с	Nominal Length (in)	W	A	В	С
7	2.1	7.0	6.8	6.7	122	37.1	121.8	121.7	121.
10	3.1	10.2	10.1	10.0	125	38.1	125.1	124.9	124.
1 ft) 14	4.1	13.5	13.4	13.3	128	39.1	128.3	128.2	128.
17	5.1	16.8	16.7	16.6	(11 ft) 132	40.1	131.6	131.5	131.
20	6.1	20.1	20.0	19.8	135	41.1	134.9	134.8	134.
2 ft) 23	7.1	23.4	23.2	23.1	138	42.1	138.2	138.1	137.
27	8.1	26.6	26.5	26.4	141	43.1	141.5	141.4	141.
30	9.1	29.9	29.8	29.7	(12 ft) 145	44.1	144.8	144.6	144.
33	10.1	33.2	33.1	33.0	148	45.1	148.0	147.9	147.
3 ft) 36	11.1	36.5	36.4	36.2	151	46.1	151.3	151.2	151.
40	12.1	39.8	39.6	39.5	(13 ft) 155	47.1	154.6	154.5	154
43	13.1	43.0	42.9	42.8	158	48.1	157.9	157.8	157.
46	14.1	46.3	46.2	46.1	161	49.1	161.2	161.0	160
4 ft) 50	15.1	49.6	49.5	49.4	164	50.1	164.4	164.3	164
53	16.1	52.9	52.8	52.7	(14 ft) 168	51.1	167.7	167.6	167
56	17.1	56.2	56.1	55.9	171	52.1	171.0	170.9	170
5 ft) 59	18.1	59.5	59.3	59.2	174	53.1	174.3	174.2	174
63	19.1	62.7	62.6	62.5	178	54.1	177.6	177.4	177
66	20.1	66.0	65.9	65.8	(15 ft) 181	55.1	180.8	180.7	180.
69	21.1	69.3	69.2	69.1	184	56.1	184.1	184.0	183.
6 ft) 73	22.1	72.6	72.5	72.3	187	57.1	187.4	187.3	187.
76	23.1	75.9	75.7	75.6	(16 ft) 191	58.1	190.7	190.6	190
79	24.1	79.1	79.0	78.9	194	59.1	194.0	193.8	193
7 ft) 82	25.1	82.4	82.3	82.2	197	60.1	197.2	197.1	197
86	26.1	85.7	85.6	85.5	200	61.1	200.5	200.4	200
89	27.1	89.0	88.9	88.7	(17 ft) 204	62.1	203.8	203.7	203.
92	28.1	92.3	92.1	92.0	207	63.1	207.1	207.0	206.
8 ft) 96	29.1	95.5	95.4	95.3	210	64.1	210.4	210.2	210
99	30.1	98.8	98.7	98.6	214	65.1	213.6	213.5	213
102	31.1	102.1	102.0	101.9	(18 ft) 217	66.1	216.9	216.8	216
105	32.1	105.4	105.3	105.1	220	67.1	220.2	220.1	220
(9 ft) 109	33.1	108.7	108.5	108.4	223	68.1	223.5	223.4	223.
112	34.1	111.9	111.8	111.7	(19 ft) 227	69.1	226.8	226.6	226.
115	35.1	115.2	115.1	115.0				1	
(10 ft)	36.1	118.5	118.4	118.3	Note:	All valu	es are ro 0.1 incl	ounded t	o th

Injection Molded End Cap (IME) Injection Molded End Power Feed (IME) Injection Molded Bottom Power Feed (IMB) Injection Molded Side Power Feed (IMSA) ++ 0.08" ++ 0.08" **++** 0.08' 0.2  $\bigcirc$ ← Actual Length → 0.87″ 0.74″ 0.75









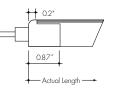
### WD59SO | Power Consumption Per Fixture Length

Based on operation with PDCU series of power supplies. Use Acutal Length for Order Code Entry. Tolerance for Actual Lengths less than 6 ft is +/- 0.2", Actual Lengths between 6 ft and 16 ft is +/- 0.3", and Actual Lengths greater than 16 ft is +/- 0.6" A - End Connector at both ends of Kurba (0.20" + 0.20" 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 (0.20" + 0.08" added to overall length) C - Any combination of No Connector, Back Connector, or Side Connector on each end of Kurba (0.08" + 0.08" added to overall length)

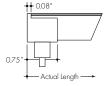
		Actua	al Lengi	th (in)			Actua	I Lengt	h (in)			Actua	al Lengi	th (ir
Nominal Length (in)	W	A	В	С	Nominal Length (in)	w	A	В	С	Nominal Length (in)	w	A	В	c
8	2.4	7.8	7.7	7.5	(8 ft) 96	29.4	96.4	96.2	96.1	185	56.4	184.9	184.8	184
10	3.1	10.2	10.1	10.0	99	30.1	98.8	98.7	98.6	187	57.1	187.4	187.3	187
(1 ft) 13	3.9	12.7	12.6	12.5	101	30.9	101.3	101.2	101.0	190	57.9	189.9	189.7	189
15	4.6	15.2	15.0	14.9	104	31.6	103.7	103.6	103.5	(16 ft) 192	58.6	192.3	192.2	192
18	5.4	17.6	17.5	17.4	106	32.4	106.2	106.1	106.0	195	59.4	194.8	194.7	194
20	6.1	20.1	20.0	19.8	(9 ft) 109	33.1	108.7	108.5	108.4	197	60.1	197.3	197.1	19
23	6.9	22.5	22.4	22.3	111	33.9	111.1	111.0	110.9	200	60.9	199.7	199.6	199
(2 ft) 25	7.6	25.0	24.9	24.8	114	34.6	113.6	113.5	113.3	202	61.6	202.2	202.1	20
27	8.4	27.5	27.3	27.2	116	35.4	116.0	115.9	115.8	(17 ft) 205	62.4	204.6	204.5	204
30	9.1	29.9	29.8	29.7	119	36.1	118.5	118.4	118.3	207	63.1	207.1	207.0	200
32	9.9	32.4	32.3	32.1	(10 ft) 121	36.9	121.0	120.9	120.7	210	63.9	209.6	209.4	20
(3 ft) 35	10.6	34.8	34.7	34.6	123	37.6	123.4	123.3	123.2	212	64.6	212.0	211.9	21
37	11.4	37.3	37.2	37.1	126	38.4	125.9	125.8	125.7	214	65.4	214.5	214.4	214
40	12.1	39.8	39.7	39.5	128	39.1	128.4	128.2	128.1	(18 ft) 217	66.1	216.9	216.8	210
42	12.9	42.2	42.1	42.0	(11 ft) 131	39.9	130.8	130.7	130.6	219	66.9	219.4	219.3	210
45	13.6	44.7	44.6	44.5	133	40.6	133.3	133.2	133.0	222	67.6	221.9	221.7	22
(4 ft) 47	14.4	47.2	47.0	46.9	136	41.4	135.7	135.6	135.5	224	68.4	224.3	224.2	224
50	15.1	49.6	49.5	49.4	138	42.1	138.2	138.1	138.0	(19 ft) 227	69.1	226.8	226.7	220
52	15.9	52.1	52.0	51.8	141	42.9	140.7	140.5	140.4					
55	16.6	54.5	54.4	54.3	(12 ft) 143	43.6	143.1	143.0	142.9			es are ro 0.1 incl		o the
57	17.4	57.0	56.9	56.8	146	44.4	145.6	145.5	145.3					
(5 ft) 59	18.1	59.5	59.3	59.2	148	45.1	148.0	147.9	147.8					
62	18.9	61.9	61.8	61.7	150	45.9	150.5	150.4	150.3					
64	19.6	64.4	64.3	64.1	153	46.6	153.0	152.8	152.7					
67	20.4	66.8	66.7	66.6	(13 ft) 155	47.4	155.4	155.3	155.2					
69	21.1	69.3	69.2	69.1	158	48.1	157.9	157.8	157.6					
(6 ft) 72	21.9	71.8	71.6	71.5	160	48.9	160.3	160.2	160.1					
74	22.6	74.2	74.1	74.0	163	49.6	162.8	162.7	162.6					
77	23.4	76.7	76.6	76.4	165	50.4	165.3	165.1	165.0					
79	24.1	79.1	79.0	78.9	(14 ft) 168	51.1	167.7	167.6	167.5					
82	24.9	81.6	81.5	81.4	170	51.9	170.2	170.1	169.9					
(7 ft) 84	25.6	84.1	83.9	83.8	173	52.6	172.6	172.5	172.4					
87	26.4	86.5	86.4	86.3	175	53.4	175.1	175.0	174.9					
89	27.1	89.0	88.9	88.7	178	54.1	177.6	177.4	177.3					
91	27.9	91.4	91.3	91.2	(15 ft) 180	54.9	180.0	179.9	179.8					
94	28.6	93.9	93.8	93.7	182	55.6	182.5	182.4	182.2					

#### Injection Molded End Cap (IME)





Injection Molded End Power Feed (IME)



Injection Molded Bottom Power Feed (IMB)





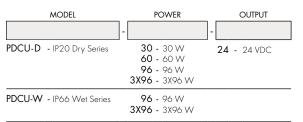


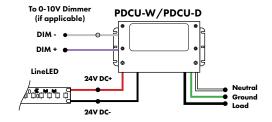
# **Power Supplies**

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

### For use with Warm Dim

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



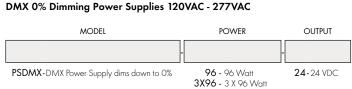


0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.

For a complete list of compatible dimmers, see <u>Compatible Dimming Chart</u> on the Resources page.

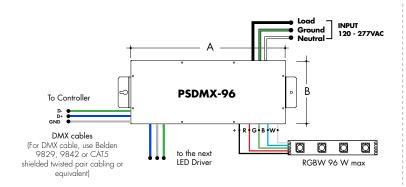
MODELS	PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33	1.32"	1.56"	1.13"

### For use with RGB/RGBW, RGB42/RGBW36 or with Tunable White

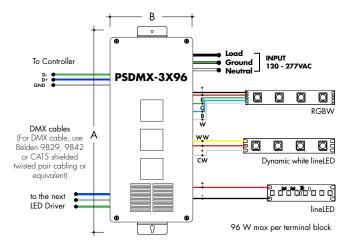


Features eldoLED's LINEARdrive configurable dimmable drivers.

DDMX-RGBW DMX Decoder not required when purchasing this power supply.



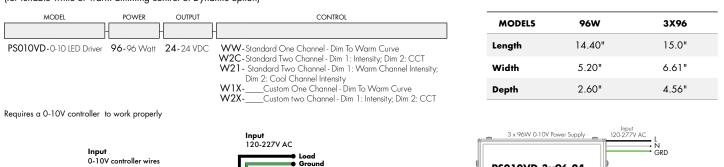
MODELS	96W	3X96
A Length	14.40"	15.75"
B Width	5.20"	6.62"
Depth	2.60"	4.95"

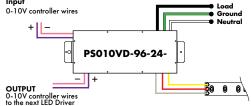


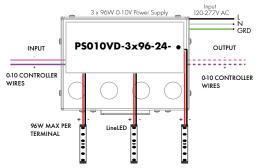


### For use with Tunable White

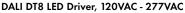
**Customizable Dim to Warm or Variable White via 0 - 10V** (for tunable white or warm dimming control of Dynamic option)

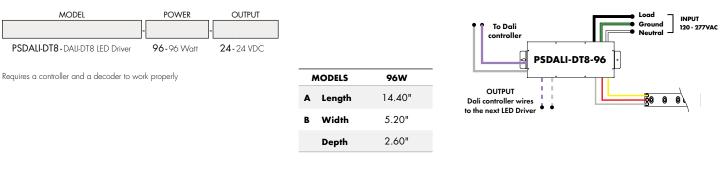




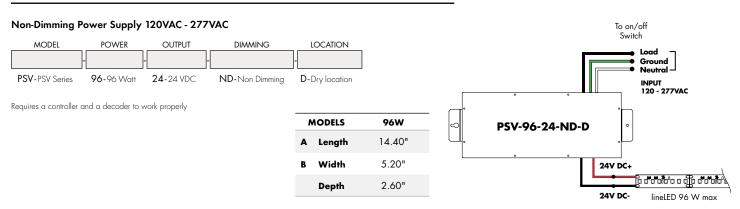


### For use with Tunable White





#### For use with RGB/RGBW/Pixel





# **Power Supplies**

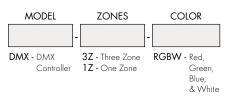
See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

# DMX-1Z-RGBW, DMX-3Z-RGBW

RGBW LED 1 or 3 Zone Controller



#### ORDERING CODE



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.

#### 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

### **Operating Voltage**

12 - 24V DC

#### **Color Parameters**

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

# Touch DMX Controller

#### Touchscreen digital LED controller



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



# 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** 

Power Capacity up to 96W at 24V

12-36 VDC

### **Operating Temperature Range**

from -4°F to +122°F in case

ORDERING CODE



DDMX-RGBW - DMX decoder

# 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. \*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 RGB 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