

Features

Kurba Medium Dome Horizontal RGB & RGBW is a direct view, energy efficient and flexible LED strip suitable for wet locations capable of horizontal/side bends up to 2.5" radius. Built with robust factory made power feeds or joiners, Kurba Medium Dome Horizontal RGB & RGBW 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

Dimming

Low voltage dimmer and class 2 dimming power supply required

Approvals

Class 2 wet listed, IP67

Warranty

3 years



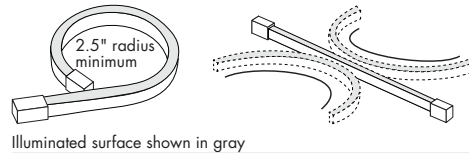
Technical Information

Model	KBM-F-H-RGB	KBM-F-H-RGBW30K
LEDs/ft	18	
Light Output (3000K)	Red: 13 lm/ft Green: 34 lm/ft Blue: 5 lm/ft All On: 52 lm/ft	Red: 13 lm/ft Green: 34 lm/ft Blue: 5 lm/ft White: 34 lm/ft All On: 86 lm/ft
Average Power Consumption at 4'	3.7 W/ft	4.6 W/ft
Ordering Increment	3.94"	
Maximum Run Length (In Series)	25'	20'

Constraints

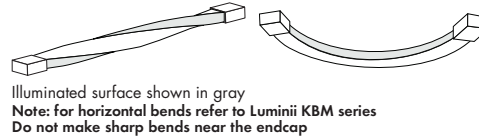
Bend Direction

Bend LED in these positions only to avoid damage

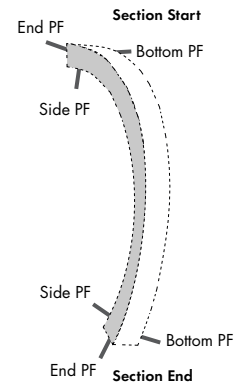


Prohibited Bends

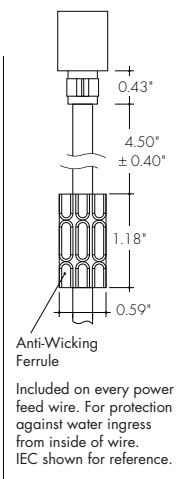
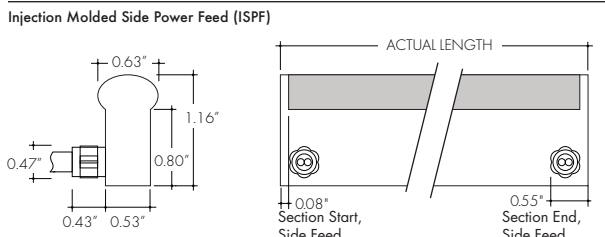
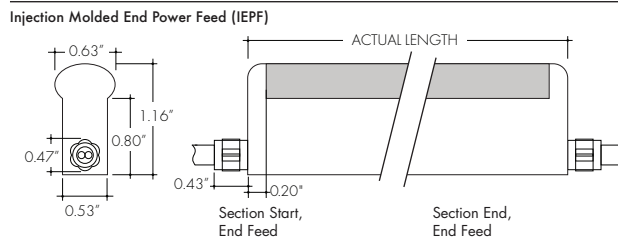
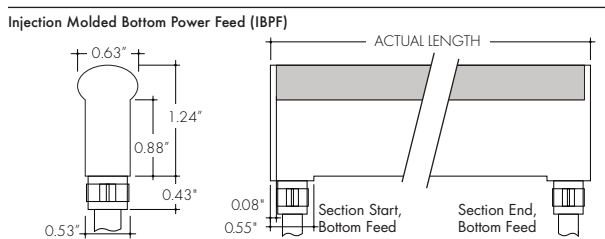
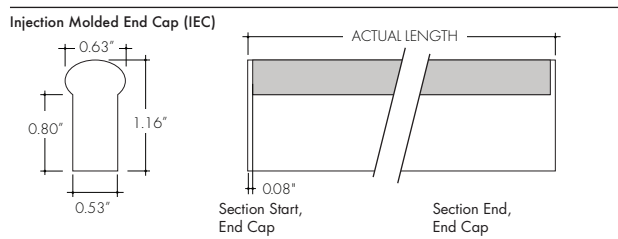
Twisting or bending LED in these positions will cause damage



Power Feed Locations



Section Start/End Power Feed Options



Ordering Code

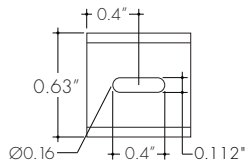
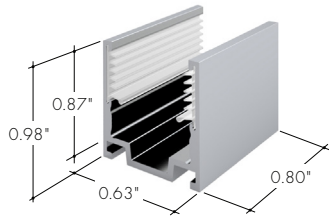
MODEL	CCT	SECTION START	SECTION END	ACTUAL LENGTH
KBM-D-H - Kurba Medium, Domed, HorizontalBend	RGB - Red, Green, Blue RGBW30K - Red, Green, Blue, White 3000K RGBW40K - Red, Green, Blue, White 4000K	IEC - Injection Molded End cap ¹ IEPF - Injection Molded End power feed (9' wire lead) ¹ IBPF - Injection Molded Bottom power feed (9' wire lead) ¹ ISPF - Injection Molded Side power feed (9' wire lead) ^{1,2}	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 - Injection Molded Side power feed (9' wire lead) ^{1,2}	See Power Consumption table on page 3 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.

Mounting Accessories & Optional Connectors

MB-KBM-F-H-ST

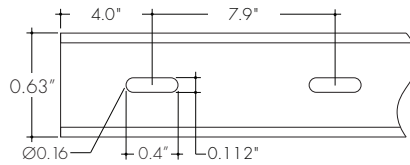
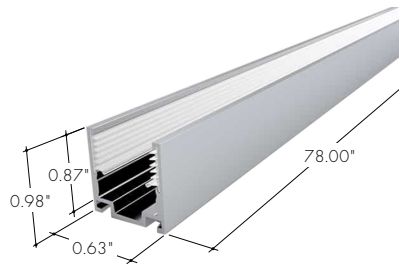
Mounting Bracket with Grip



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

MC-NFS-KBM-F-H-78

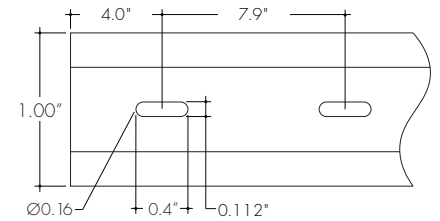
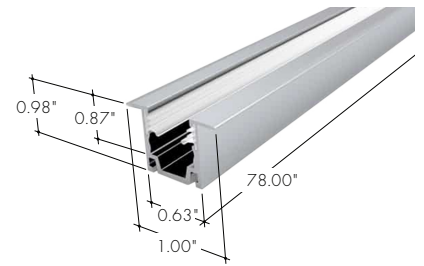
Mounting Channel with Grip, 78"



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

MC-FS-KBM-F-H-78

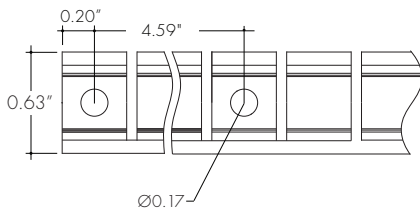
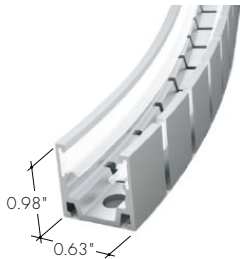
Flanged Mounting Channel with Grip, 78"



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

MC-BS-KBM-F-H-38

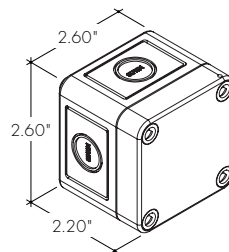
Bendable Mounting Channel with Grip, 38"



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

LVSP-WET

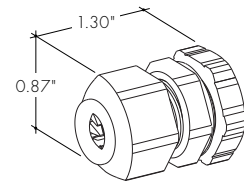
Splice Box



Wet rated, low voltage splice box, gray.

LVSP-WET-CM

Connector



Low voltage splice box wet cable management, gray.

Power Consumption Per Fixture Length

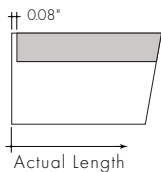
Based on operation with PDCU series of power supplies. Use Actual Length for Order Code Entry
 Tolerance for Actual Lengths less than 6 ft is +/- 0.2", Actual Lengths between 6 ft and 16 ft is +/- 0.3", and Actual Lengths greater than 16 ft is +/- 0.6"

KBM-D-H-RGB

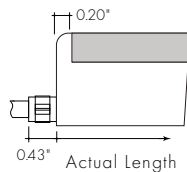
Nominal Length (inch)	Actual Length [inches]				Nominal Length (inch)	Actual Length [inches]				Nominal Length (inch)	Actual Length [inches]			
	W	IEPF	IEC IEPF	IEC IBPF ISPF		W	IEPF	IEC IEPF	IEC IBPF ISPF		W	IEPF	IEC IEPF	IEC IBPF ISPF
4	—	—	—	—	134	40.9	134.3	134.1	134	(22 ft) 264	80.5	264.2	264.1	263.9
8	2.5	8.3	8.2	8	138	42.1	138.2	138.1	138	268	81.7	268.1	268	267.9
(1 ft) 12	3.7	12.2	12.1	12	(12 ft) 143	43.3	142.1	142	141.9	272	82.9	272.1	271.9	271.8
16	4.9	16.1	16	15.9	146	44.5	146.1	145.9	145.8	(23 ft) 276	84.1	276	275.9	275.8
20	6.1	20.1	20	19.8	150	45.7	150	149.9	149.8	280	85.3	279.9	279.8	279.7
(2 ft) 24	7.3	24	23.9	23.8	(13 ft) 154	46.9	153.9	153.8	153.7	284	86.5	283.9	283.7	283.6
28	8.5	28	27.8	27.7	158	48.1	157.9	157.8	157.6	(24 ft) 288	87.7	287.8	287.7	287.6
32	9.7	31.9	31.8	31.7	162	49.3	161.8	161.7	161.6	292	88.9	291.7	291.6	291.5
(3 ft) 36	10.9	35.8	35.7	35.6	166	50.5	165.8	165.6	165.5	296	90.1	295.7	295.6	295.4
40	12.1	39.8	39.7	39.5	(14 ft) 170	51.7	169.7	169.6	169.5	(25 ft) 300	91.3	299.6	299.5	299.4
44	13.3	43.7	43.6	43.5	174	52.9	173.6	173.5	173.4	284	86.5	283.9	283.7	283.6
(4 ft) 48	14.5	47.6	47.5	47.4	178	54.1	177.6	177.4	177.3	(24 ft) 288	87.7	287.8	287.7	287.6
52	15.7	51.6	51.5	51.3	(15 ft) 182	55.3	181.5	181.4	181.3	292	88.9	291.7	291.6	291.5
56	16.9	55.5	55.4	55.3	186	56.5	185.4	185.3	185.2	296	90.1	295.7	295.6	295.4
(5 ft) 60	18.1	59.5	59.3	59.2	190	57.7	189.4	189.3	189.1	(25 ft) 300	91.3	299.6	299.5	299.4
63	19.3	63.4	63.3	63.2	(16 ft) 193	58.9	193.3	193.2	193.1					
67	20.5	67.3	67.2	67.1	197	60.1	197.3	197.1	197					
(6 ft) 71	21.7	71.3	71.1	71	201	61.3	201.2	201.1	200.9					
75	22.9	75.2	75.1	75	(17 ft) 205	62.5	205.1	205	204.9					
79	24.1	79.1	79	78.9	209	63.7	209.1	208.9	208.8					
(7 ft) 83	25.3	83.1	83	82.8	213	64.9	213	212.9	212.8					
87	26.5	87	86.9	86.8	(18 ft) 217	66.1	216.9	216.8	216.7					
91	27.7	91	90.8	90.7	221	67.3	220.9	220.8	220.6					
(8 ft) 95	28.9	94.9	94.8	94.6	225	68.5	224.8	224.7	224.6					
99	30.1	98.8	98.7	98.6	(19 ft) 229	69.7	228.7	228.6	228.5					
103	31.3	102.8	102.6	102.5	233	70.9	232.7	232.6	232.4					
(9 ft) 107	32.5	106.7	106.6	106.5	237	72.1	236.6	236.5	236.4					
111	33.7	110.6	110.5	110.4	(20 ft) 241	73.3	240.6	240.4	240.3					
115	34.9	114.6	114.5	114.3	245	74.5	244.5	244.4	244.3					
(10 ft) 119	36.1	118.5	118.4	118.3	249	75.7	248.4	248.3	248.2					
123	37.3	122.4	122.3	122.2	(21 ft) 253	76.9	252.4	252.2	252.1					
126	38.5	126.4	126.3	126.1	257	78.1	256.3	256.2	256.1					
(11 ft) 130	39.7	130.3	130.2	130.1	260	79.3	260.2	260.1	260					

Note: all values are rounded to the nearest 0.1 inch

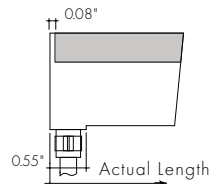
Injection Molded End Cap (IEC)



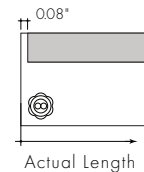
Injection Molded End Power Feed (IEPF)



Injection Molded Bottom Power Feed (IBPF)



Injection Molded Side Power Feed (ISPF)



Power Consumption Per Fixture Length

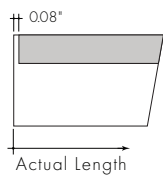
Based on operation with PDCU series of power supplies. Use Acutal Length for Order Code Entry
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KBM-D-H-RGBW (30K, 40K)

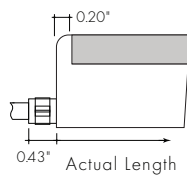
Nominal Length (inch)	Actual Length [inches]				Nominal Length (inch)	Actual Length [inches]			
	W	IEPF IEPF	IEC IEPF	IEC IBPF ISPF		W	IEPF IEPF	IEC IEPF	IEC IBPF ISPF
4	—	—	—	—	134	51.2	134.3	134.1	134
8	3.2	8.3	8.2	8	138	52.7	138.2	138.1	138
(1 ft) 12	4.7	12.2	12.1	12	(12 ft) 142	54.2	142.1	142	141.9
16	6.2	16.1	16	15.9	146	55.7	146.1	145.9	145.8
20	7.7	20.1	20	19.8	150	57.2	150	149.9	149.8
(2 ft) 24	9.2	24	23.9	23.8	154	58.7	153.9	153.8	153.7
28	10.7	28	27.8	27.7	(13 ft) 158	60.2	157.9	157.8	157.6
32	12.2	31.9	31.8	31.7	162	61.7	161.8	161.7	161.6
(3 ft) 36	13.7	35.8	35.7	35.6	166	63.2	165.8	165.6	165.5
40	15.2	39.8	39.7	39.5	(14 ft) 170	64.7	169.7	169.6	169.5
44	16.7	43.7	43.6	43.5	174	66.2	173.6	173.5	173.4
(4 ft) 48	18.2	47.6	47.5	47.4	178	67.7	177.6	177.4	177.3
52	19.7	51.6	51.5	51.3	(15 ft) 182	69.2	181.5	181.4	181.3
56	21.2	55.5	55.4	55.3	185	70.7	185.4	185.3	185.2
(5 ft) 59	22.7	59.5	59.3	59.2	189	72.2	189.4	189.3	189.1
63	24.2	63.4	63.3	63.2	(16 ft) 193	73.7	193.3	193.2	193.1
67	25.7	67.3	67.2	67.1	197	75.2	197.3	197.1	197
(6 ft) 71	27.2	71.3	71.1	71	201	76.7	201.2	201.1	200.9
75	28.7	75.2	75.1	75	(17 ft) 205	78.2	205.1	205	204.9
79	30.2	79.1	79	78.9	209	79.7	209.1	208.9	208.8
(7 ft) 83	31.7	83.1	83	82.8	213	81.2	213	212.9	212.8
87	33.2	87	86.9	86.8	(18 ft) 217	82.7	216.9	216.8	216.7
91	34.7	91	90.8	90.7	221	84.2	220.9	220.8	220.6
(8 ft) 95	36.2	94.9	94.8	94.6	225	85.7	224.8	224.7	224.6
99	37.7	98.8	98.7	98.6	(19 ft) 229	87.2	228.7	228.6	228.5
103	39.2	102.8	102.6	102.5	233	88.7	232.7	232.6	232.4
(9 ft) 107	40.7	106.7	106.6	106.5	237	90.2	236.6	236.5	236.4
111	42.2	110.6	110.5	110.4	(20 ft) 241	91.7	240.6	240.4	240.3
115	43.7	114.6	114.5	114.3					
(10 ft) 119	45.2	118.5	118.4	118.3					
122	46.7	122.4	122.3	122.2					
126	48.2	126.4	126.3	126.1					
(11 ft) 130	49.7	130.3	130.2	130.1					

Note: all values are rounded to the nearest 0.1 inch

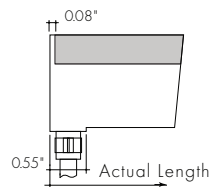
Injection Molded End Cap (IEC)



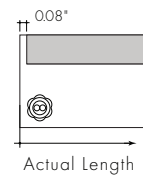
Injection Molded End Power Feed (IEPF)



Injection Molded Bottom Power Feed (IBPF)



Injection Molded Side Power Feed (ISPF)



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.

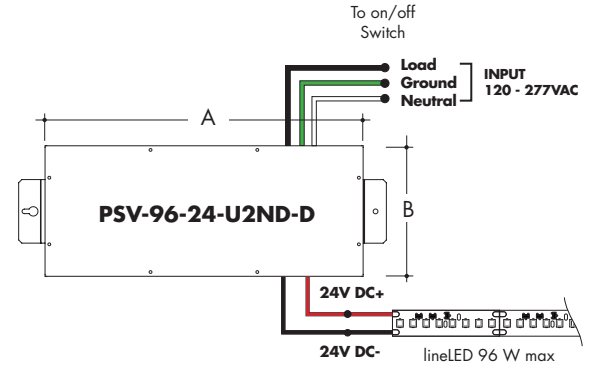
For use with RGB/RGBW

Non-Dimming Power Supply 120VAC - 277VAC

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

Requires a controller and a decoder to work properly

MODELS	96W
A Length	14.40"
B Width	5.20"
Depth	2.60"



For use with RGB/RGBW

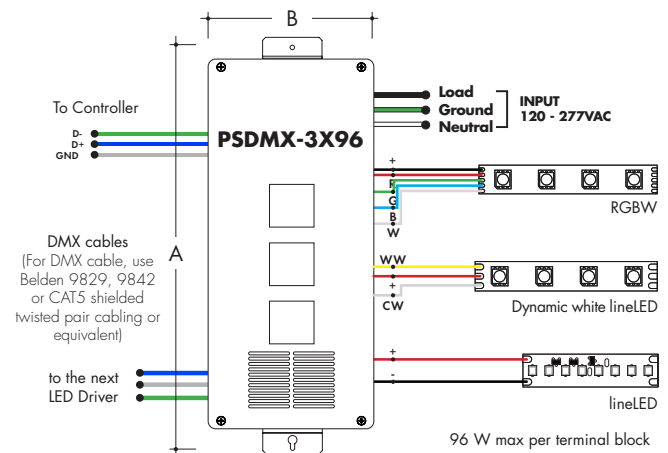
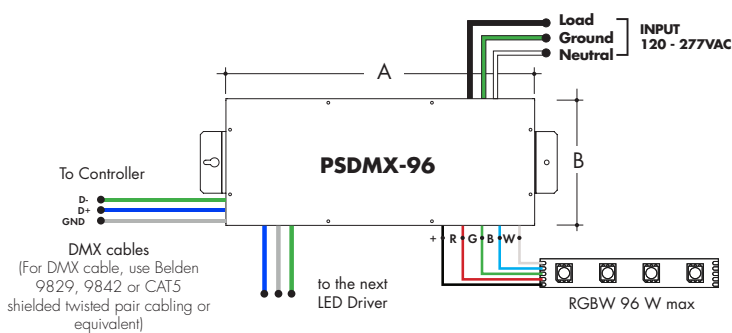
DMX 0% Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX-DMX Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24-24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers.

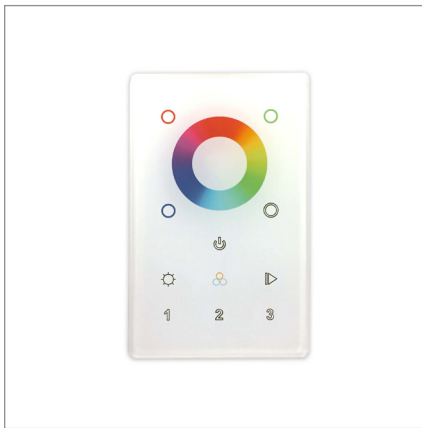
DDMX-RGBW DMX Decoder not required when purchasing this power supply.

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



DMX-1Z-RGBW, 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.

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

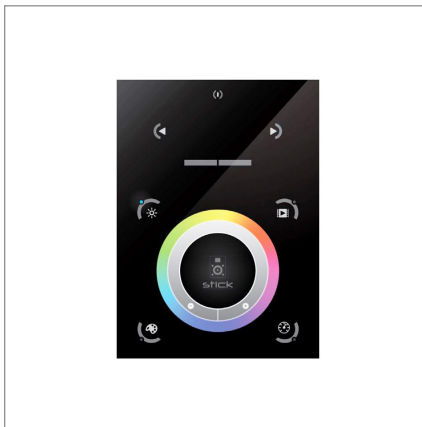
- Brightness
- Saturation
- Primary colors
- Fading
- Color changing speed

ORDERING CODE

MODEL	ZONES	COLOR
DMX - DMX Controller	3Z - Three Zone 1Z - One Zone	RGBW - Red, Green, Blue, & White

Touch DMX Controller

Touchscreen digital LED 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

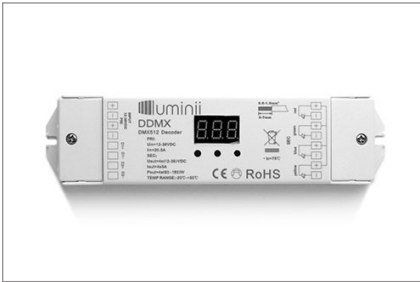
ORDERING CODE

MODEL
TSDMX-E

TSDMX-E - Touchscreen DMX controller

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