

The LineLED DW52 is a small profile, high output light strip that alternates different CCT LEDs suitable for warm dim or dynamic white applications. It is easily installed within discrete aluminum extrusions with multiple mounting options. The durable but flexible circuit board and multiple connector options enable the extension of the light strip and the perfect fit for every application.

#### Mounting

LED strip is equipped with 3M™ adhesive transfer tape (9472LE).

#### Applications

Indoor only - cove lighting, architectural reveals, under banister, general ambient lighting, etc

#### Approvals

Class 2 damp listed

#### Operating voltage

24 VDC

#### Average life

50,000 hours

#### Warranty

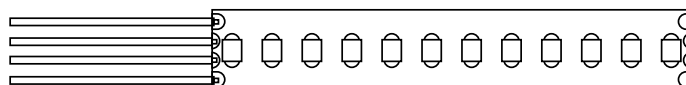
5 years



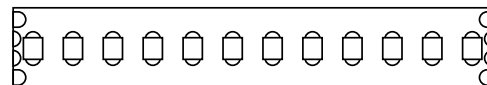
## Technical information

MODELS	19K - 27K	22K - 30K
LEDs/ft	52 (26 @ 19K) (26 @ 27K)	52 (26 @ 22K) (26 @ 30K)
Average power consumption (for 15' section)	4.0 W/ft (w/ both colors full on) <b>2.0 W/ft average when using PS010WD power supply</b>	4.0 W/ft (w/ both colors full on) <b>2.0 W/ft average when using PS010WD power supply</b>
CRI	range 84 – 93	range 86 – 91
Ordering increment	2.80"	2.80"
Pitch length	0.23"	0.23"
Maximum run length	30 ft	30 ft
Dimensions	0.48" W 0.09" H	0.48" W 0.09" H
Lumens	96 lm/ft (19K) 131 lm/ft (27K) 220 lm/ft (22K all on)	128 lm/ft (22K) 184 lm/ft (30K) 304 lm/ft (27K all on)

#### SECTION START/END OPTIONS



Soldered leads (72")



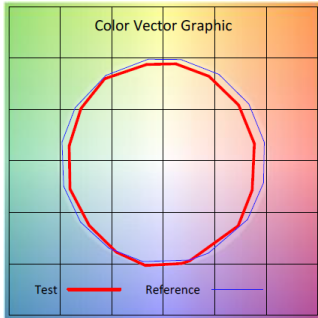
No connector

## Ordering code

MODEL	COLOR TEMPERATURE	SECTION START	SECTION END	LENGTH
LLDW52	19K-27K	SL	NC	
LLDW52	19K-27K - 1900K - 2700K 22K-30K - 2200K - 3000K	SL - Soldered lead wires (72") NC - No connector	SL - Soldered lead wires (72") NC - No connector	view table above for increment options and maximum run limits

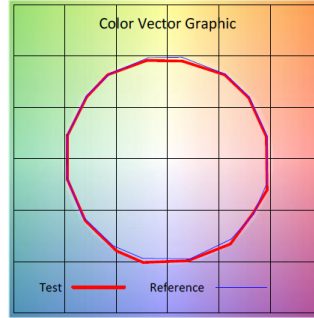
## TM-30-15: Data

19K CCT



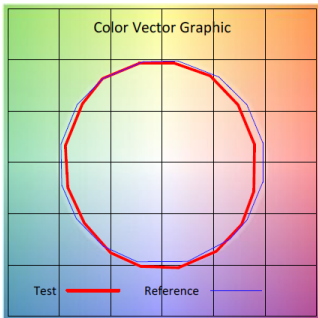
Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	79.1	-9.6%	0.5%
2	80.8	-8.9%	4.7%
3	80.5	-6.7%	7.0%
4	89.9	-5.0%	3.8%
5	94.6	-4.7%	2.3%
6	91.7	-2.1%	2.7%
7	90.5	-5.2%	-2.6%
8	87.8	-7.5%	2.2%
9	85.8	-5.7%	3.8%
10	82.8	-5.2%	7.7%
11	84.8	-0.8%	8.5%
12	87.5	3.3%	3.0%
13	88.1	1.8%	-9.3%
14	77.5	-4.0%	-19.4%
15	83.0	-4.2%	-10.2%
16	78.1	-9.5%	-8.9%

27K CCT



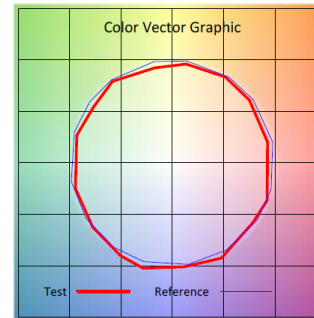
Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	96.0	-1.2%	0.1%
2	97.6	-0.9%	-0.4%
3	96.1	-1.0%	0.5%
4	93.2	-3.8%	-1.1%
5	94.9	-2.2%	2.0%
6	96.0	0.3%	2.4%
7	96.1	-0.7%	1.5%
8	97.9	0.1%	1.1%
9	95.2	-0.4%	2.5%
10	91.7	0.2%	5.0%
11	90.0	2.1%	5.7%
12	92.4	3.8%	1.4%
13	95.3	1.3%	-2.5%
14	92.8	3.5%	-3.4%
15	94.1	-1.0%	-0.2%
16	89.8	1.3%	-7.0%

22K CCT



Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	82.0	-8.2%	-0.1%
2	84.0	-7.3%	4.7%
3	81.4	-3.8%	7.5%
4	91.0	-2.6%	3.8%
5	94.2	-0.8%	3.5%
6	95.6	0.1%	0.5%
7	90.8	-3.9%	-3.4%
8	91.6	-4.6%	0.7%
9	88.0	-5.1%	3.5%
10	83.4	-4.3%	8.0%
11	84.2	1.1%	9.6%
12	86.2	3.8%	4.3%
13	87.1	4.1%	-9.9%
14	74.4	2.4%	-17.4%
15	88.0	-1.8%	-6.6%
16	79.7	-7.0%	-10.9%

30K CCT



Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	88.3	-4.8%	1.3%
2	91.2	-3.3%	1.9%
3	91.1	-1.9%	3.1%
4	91.3	-3.3%	0.3%
5	90.3	-6.2%	0.7%
6	95.6	-1.7%	0.1%
7	88.0	-6.1%	2.2%
8	92.9	-3.0%	2.6%
9	87.2	-2.6%	7.6%
10	80.4	-0.6%	10.5%
11	83.8	3.1%	9.7%
12	88.9	6.5%	0.8%
13	91.8	1.6%	-4.8%
14	86.8	3.9%	-8.3%
15	86.6	-2.1%	-5.2%
16	83.3	-1.7%	-11.2%

## Lens options / light transmission percentage per lens

**C**

Clear

**HF**Half (50%)  
Frosted**G**

Graze

**SI**

Satin Ice

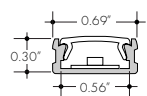
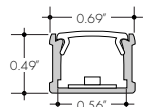
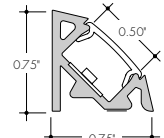
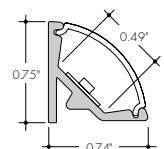
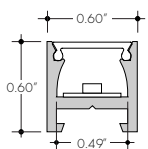
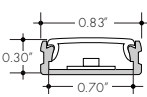
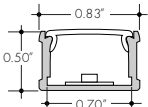
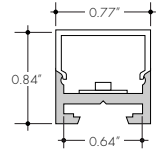
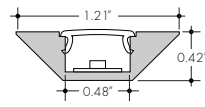
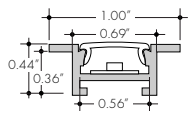
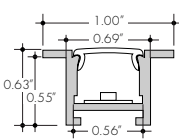
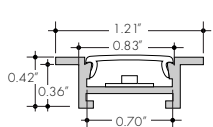
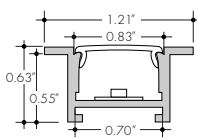
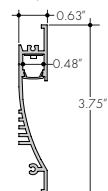
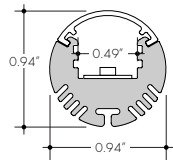
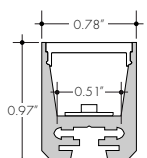
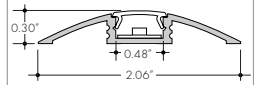
**S**Square  
Frosted**Q**Round Square  
Frosted**F**

Frosted

**M**Medium Beam  
Frosted**R**

Raised

**C36**Clear 36°  
Beam Angle**C10**Clear 10°  
Beam Angle

<b>KS Channel</b> (KSC-XX)  <b>C</b> <b>F</b> <b>HF</b> <b>C36</b> <b>R</b> 85% 55% 72% 83% 51%	<b>KM Channel</b> (KMC-XX)  <b>C</b> <b>F</b> <b>HF</b> <b>C10</b> <b>R</b> 71% 42% 58% 67% 39%	<b>K45V Channel</b> (K45VC-XX)  <b>C</b> <b>F</b> <b>HF</b> <b>C10</b> 71% 42% 58% 67%	<b>K45R Channel</b> (K45RC-XX)  <b>F</b> 42%	<b>BOS Channel</b> (BOSC-XX)  <b>F</b> <b>SI</b> <b>R</b> <b>G</b> 43% 56% 46% 67%
<b>KL Channel</b> (KLC-XX)  <b>C</b> <b>F</b> <b>HF</b> 83% 55% 68%	<b>KXL Channel</b> (KXLC-XX)  <b>C</b> <b>F</b> <b>HF</b> 74% 46% 61%	<b>CLA Channel</b> (CLAC-XX)  <b>S</b> <b>Q</b> 62% 63%	<b>ALC Channel</b> (ALC-XX)  <b>C</b> <b>F</b> <b>HF</b> 79% 58% 69%	<b>KRS Channel</b> (KRSC-XX)  <b>C</b> <b>F</b> <b>HF</b> 85% 55% 72%
<b>KRM Channel</b> (KRMC-XX)  <b>C</b> <b>F</b> <b>HF</b> 71% 42% 58%	<b>KRL Channel</b> (KRLC-XX)  <b>C</b> <b>F</b> <b>HF</b> 83% 55% 68%	<b>KRXL Channel</b> (KRXLC-XX)  <b>C</b> <b>F</b> <b>HF</b> 74% 46% 61%	<b>Wall+ Channel</b> (WPC-XX)  <b>C</b> <b>F</b> 47% 44%	<b>RO Channel</b> (RO-XX)  <b>C</b> <b>F</b> 75% 52%
<b>ALS20 Channel</b> (ALS20-XX)  <b>C</b> <b>F</b> 78% 43%	<b>FL Channel</b> (FL-XX)  <b>C</b> <b>F</b> <b>HF</b> 85% 63% 75%			

**Installation**

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

**Ordering**

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

**Discontinued Extrusion Reference Link**

<https://www.luminii.com/media/4351/extrusion-update-02.pdf>

**LED Dotting per extrusion**

using the frosted lens option

extrusion	LLDW52
KSC, KRSC, FL, ALC	SD
KMC, KRMC, K45VC, K45RC	ND
KXLC, KRXLC	ND
KLC, KRLC	SD
WPC	ND
RO, ALS20	ND
BOSC	ND
CLAC	ND



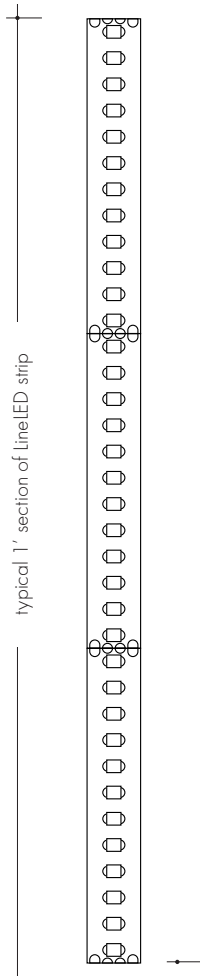
Clear  
Dotting  
(CD)

Slight  
Dotting  
(SD)

NO  
Dotting  
(ND)

## Power consumption per linear foot

## POWER CONSUMPTION PER FOOT



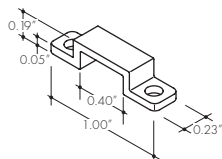
Length of strip (LF)	19K - 27K		22K - 30K	
	W/ft	Total wattage	W/ft	Total wattage
1	5.2	5.2	5.2	5.2
2	4.9	9.7	4.9	9.7
3	4.7	14.1	4.7	14.1
4	4.8	19.3	4.8	19.3
5	4.7	23.3	4.7	23.3
6	4.5	27.2	4.5	27.2
7	4.6	32.3	4.6	32.3
8	4.5	35.7	4.5	35.7
9	4.4	39.3	4.4	39.3
10	4.4	44.2	4.4	44.2
11	4.3	47.6	4.3	47.6
12	4.3	51.2	4.3	51.2
13	4.3	55.3	4.3	55.3
14	4.2	58.6	4.2	58.6
15	4.1	61.5	4.1	61.5
16	4.1	65.3	4.1	65.3
17	4.0	68.1	4.0	68.1
18	3.9	70.7	3.9	70.7
19	3.9	74.1	3.9	74.1
20	3.8	76.8	3.8	76.8
21	3.8	78.9	3.8	78.9
22	3.7	81.0	3.7	81.0
23	3.6	83.2	3.6	83.2
24	3.6	85.3	3.6	85.3
25	3.5	87.4	3.5	87.4
26	3.4	89.0	3.4	89.0
27	3.4	90.6	3.4	90.6
28	3.3	92.2	3.3	92.2
29	3.2	93.8	3.2	93.8
30	3.2	95.4	3.2	95.4

## Accessories

## Mounting Clip

CL1

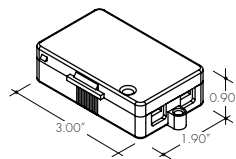
Recommended at every 12" when LineLED strip is facing down.



## Splice Box

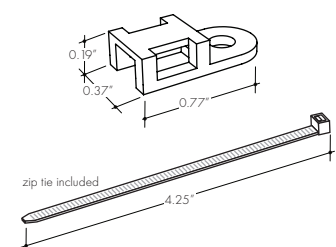
LVSP-4T-BK

Low voltage, 4 terminal splice box, black.



## Strain Relief Clip




LL.ZIP



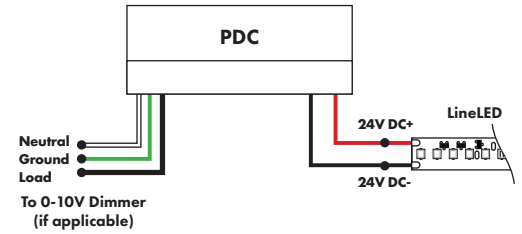
## Power Supplies

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

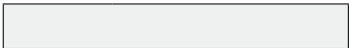
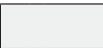
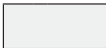
### Triac, MLV, ELV, & PWM Compatible Dimmers

MODEL	POWER	OUTPUT
		
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC

MODELS	96W
<b>Length</b>	8.25"
<b>Width</b>	4.10"
<b>Depth</b>	1.56"



### 0-10V Warm Dimming 0% Power Supply 120VAC - 277VAC (for warm dimming of Dynamic White option)

MODEL	POWER	OUTPUT
		
PS010WD - 0-10 Warm dim LED Power Supply	96 - 96 Watt	24 - 24 VDC

Requires a 0-10V controller to work properly

MODELS	PS010WD
<b>A Length</b>	14.40"
<b>B Width</b>	2.60"
<b>C Depth</b>	5.20"

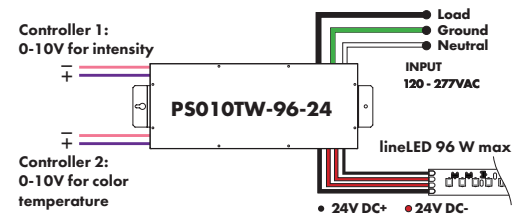


### 0-10V Tunable White 0% Dimming Power Supply 120VAC - 277VAC (for tunable white control of Dynamic White option)





MODEL	POWER	OUTPUT
		
PS010TW - 0-10 Tunable White LED Driver	96 - 96 Watt	24 - 24 VDC

Requires two 0-10V controllers to work properly

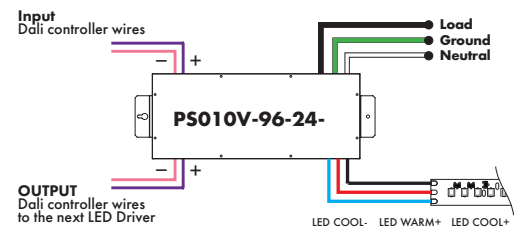
MODELS	PS010TW
<b>A Length</b>	14.40"
<b>B Width</b>	2.60"
<b>C Depth</b>	5.20"



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

MODEL	POWER	OUTPUT	CONTROL
			
PS010V - 0-10 LED Driver	96 - 96 Watt	24 - 24 VDC	WW - Standard One Channel - Dim To Warm Curve W2C - Standard Two Channel - Dim 1: Intensity; Dim 2: CCT W21 - Standard Two Channel - Dim 1: Warm Channel Intensity; Dim 2: Cool Channel Intensity W1X - Custom One Channel - Dim To Warm Curve W2X - Custom two Channel - Dim 1: Intensity; Dim 2: CCT

Requires a 0-10V controller to work properly



MODELS	PS010V
<b>A Length</b>	14.40"
<b>B Width</b>	2.60"
<b>C Depth</b>	5.20"

## Power Supplies

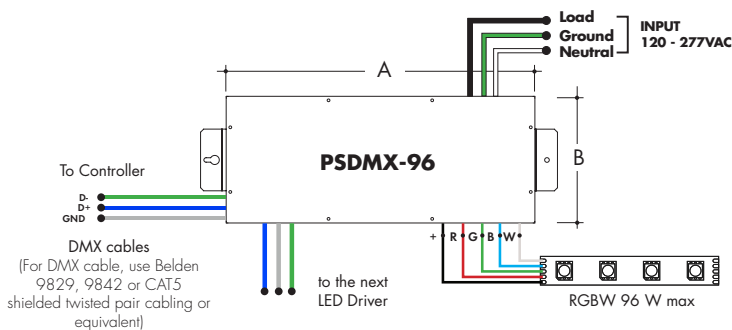
See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

### DMX 0% Dimming Power Supplies 120VAC - 277VAC

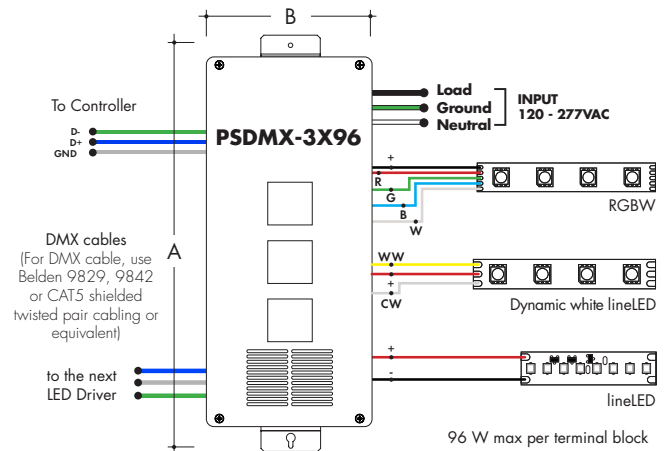
MODEL	POWER	OUTPUT
PSDMX - DMX Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers.

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



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

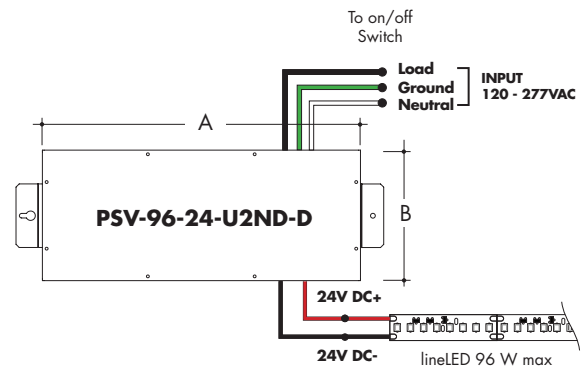


### Non-Dimming Power Supply 120VAC - 277VAC

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
<b>A Length</b>	14.40"
<b>B Width</b>	5.20"
<b>Depth</b>	2.60"



## 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

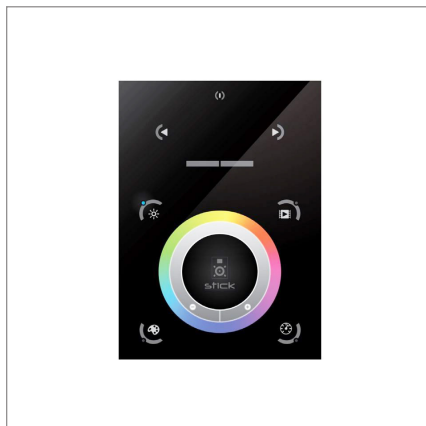
#### MODEL

**DDMX-RGBW**

DDMX-RGBW - DMX decoder

## 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 control 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

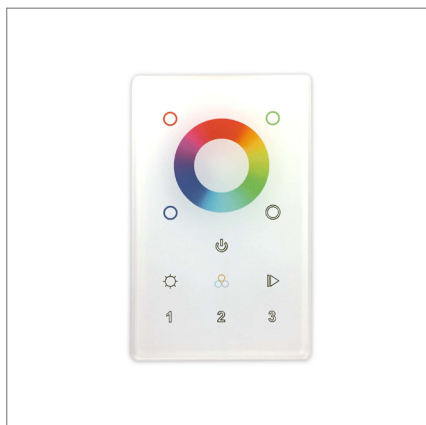
DMX512 (1024 channels)

### Color Parameters

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

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

RGBW LED 1 or 3 Zone Controller



ORDERING CODE

MODEL

ZONES

COLOR

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

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