

The LineLED DW36 is a small profile and high output light strip. 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

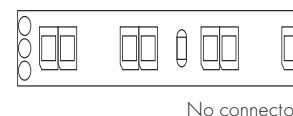
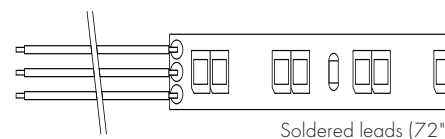
5 years



Technical information

MODELS	22K - 30K	27K - 41K	27K - 60K
LEDs/ft	36 (18 @ 22K) (18 @ 30K)	36 (18 @ 27K) (18 @ 41K)	36 (18 @ 27K) (18 @ 60K)
Average power consumption (for 15' section)	4.0 W/ft (w/ both colors full on) 2.0 W/ft average when using PS010WD power supply	4.0 W/ft (w/ both colors full on) 2.0 W/ft average when using PS010WD power supply	4.0 W/ft (w/ both colors full on) 2.0 W/ft average when using PS010WD power supply
CRI	90+	90+	90+
Ordering increment	4.00"	4.00"	4.00"
Pitch length	0.33"	0.33"	0.33"
Maximum run length	25 ft	25 ft	25 ft
Dimensions	0.40" W 0.06" H	0.40" W 0.06" H	0.40" W 0.06" H
Lumens	165 lum/ft (22K) 220 lum/ft (30K) 382 lum/ft (27K all on)	209 lm/ft (27K) 232 lm/ft (41K) 437 lm/ft (35K all on)	204 lm/ft (27K) 218 lm/ft (60K) 419 lm/ft (40K all on)

SECTION START/END OPTIONS



Ordering code

MODEL	COLOR TEMPERATURE	SECTION START	SECTION END	LENGTH
LLDW36	22K-30K	SL	NC	
LLDW36	22K-30K - 2200K - 3000K 27K-41K - 2700K - 4100K 27K-60K - 2700K - 6000K	SL - Soldered lead wires (72") NC - No connector	SL - Soldered lead wires (72") NC - No connector	4" increments - up to 25'

Lens options / light transmission percentage per lens

C	HF	G	SI	S	Q	F	M	R	C36	C10		
Clear	Half (50%) Frosted	Graze	Satin Ice	Square Frosted	Round Square Frosted	Frosted	Medium Beam Frosted	Raised	Clear 36° Beam Angle	Clear 10° Beam Angle		
KS Channel (KSC-XX)		KM Channel (KMC-XX)		K45V Channel (K45VC-XX))		K45R Channel (K45RC-XX)		BOS Channel (BOSC-XX)				
C	F	HF	C36	R	C	F	HF	C10	R			
85%	55%	72%	83%	51%	71%	42%	58%	67%	39%			
KL Channel (KLC-XX)		KXL Channel (KXLC-XX)		CLA Channel (CLAC-XX)		ALC Channel (ALC-XX)		KRS Channel (KRSC-XX)				
C	F	HF			S	Q	C	F	HF	C	F	HF
83%	55%	68%			62%	63%	79%	58%	69%	85%	55%	72%
KRM Channel (KRMC-XX)		KRL Channel (KRLC-XX)		KRXL Channel (KRXL-XX)		Wall+ Channel (WPC-XX)		RO Channel (RO-XX)				
C	F	HF	C	F	HF	C	F	HF	C	F	C	F
71%	42%	58%	83%	55%	68%	74%	46%	61%	47%	44%	75%	52%
ALS20 Channel (ALS20-XX)		FL Channel (FL-XX)										
C	F	C	F	HF								
78%	43%	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

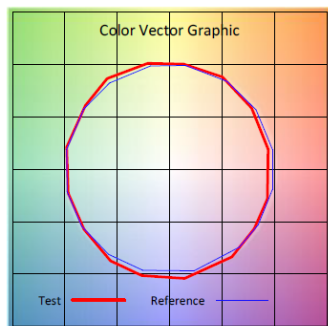
extrusion	L1DW36
KSC, KRSC, FL, ALC	CD
KMC, KRMC, K45VC, K45RC	ND
KXLC, KRXL	ND
KLC, KRLC	CD
WPC	ND
RO, ALS20	ND
BOSC	SD
CLAC	ND



Clear Dotting (CD)	Slight Dotting (SD)	NO Dotting (ND)
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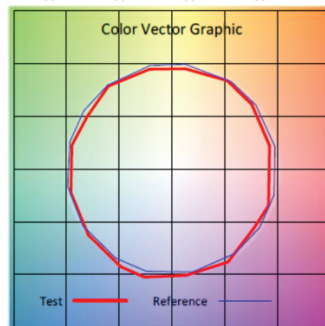
TM-30-15: Data

22K CCT



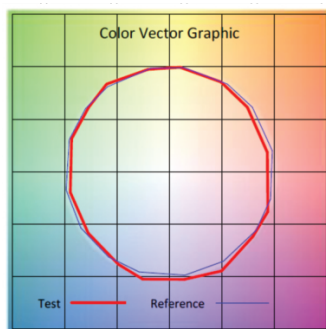
		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	90.8	-4.1%	0.8%
2	91.4	-2.5%	3.8%
3	85.9	1.0%	6.2%
4	92.7	0.9%	1.8%
5	93.5	3.1%	1.9%
6	91.3	5.0%	-0.5%
7	92.1	0.5%	-3.4%
8	95.7	0.3%	-2.3%
9	95.6	-0.8%	1.8%
10	92.8	-0.2%	3.8%
11	89.4	4.1%	5.1%
12	89.8	5.0%	0.1%
13	86.6	5.4%	-10.2%
14	81.8	3.6%	-10.9%
15	91.7	-1.1%	-5.0%
16	85.1	-2.9%	-9.6%

27K CCT



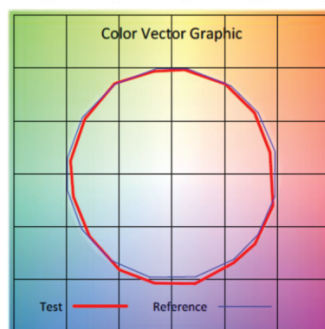
		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	87.9	-4.9%	1.8%
2	90.9	-3.0%	2.6%
3	91.1	-1.4%	3.5%
4	90.5	-4.2%	-1.0%
5	93.3	-3.3%	0.8%
6	95.3	-1.4%	-0.2%
7	88.2	-5.9%	2.3%
8	93.4	-2.6%	2.5%
9	87.0	-1.9%	6.7%
10	84.1	0.7%	9.8%
11	85.8	4.1%	8.8%
12	88.6	5.8%	-0.8%
13	89.3	1.7%	-7.0%
14	85.8	3.1%	-9.7%
15	89.1	-4.0%	-2.3%
16	82.5	-3.2%	-11.0%

30K CCT



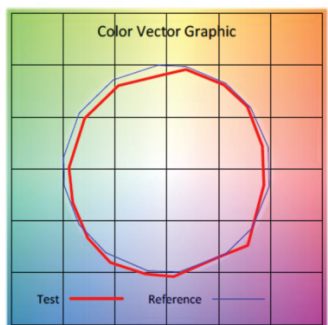
		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	89.2	-4.9%	-0.7%
2	90.2	-4.0%	2.8%
3	86.2	-1.6%	6.1%
4	91.1	-0.5%	4.1%
5	92.0	-0.5%	2.9%
6	94.7	2.5%	-0.6%
7	92.0	-1.9%	-2.6%
8	95.6	-2.0%	-1.1%
9	91.6	-3.6%	3.3%
10	83.3	-3.1%	8.2%
11	81.4	0.8%	11.5%
12	87.5	6.1%	4.6%
13	92.7	3.8%	-1.4%
14	87.0	6.6%	-6.6%
15	88.0	0.6%	-6.7%
16	83.4	-0.3%	-12.1%

41K CCT



		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	88.5	-4.8%	0.0%
2	92.1	-3.0%	1.9%
3	87.8	-1.6%	5.2%
4	90.3	-1.3%	3.0%
5	90.8	-1.8%	1.9%
6	95.2	0.8%	-0.3%
7	93.8	-2.8%	-0.4%
8	92.1	-3.4%	1.7%
9	88.1	-4.3%	7.3%
10	80.7	-2.3%	9.9%
11	78.9	3.1%	12.0%
12	86.7	4.7%	5.2%
13	90.5	6.2%	-2.1%
14	92.4	2.7%	-2.1%
15	85.6	2.4%	-8.5%
16	84.3	-0.0%	-8.7%

60K CCT

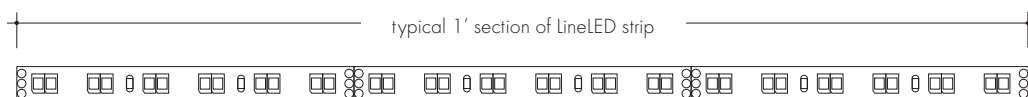


		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	83.6	-5.4%	2.4%
2	91.2	-2.1%	2.9%
3	91.5	-2.1%	0.8%
4	90.5	-2.5%	-0.6%
5	81.9	-10.0%	-2.5%
6	88.4	-7.3%	-1.1%
7	87.6	-7.3%	1.2%
8	79.1	-7.0%	8.8%
9	78.4	-4.7%	17.1%
10	72.1	0.3%	15.8%
11	81.5	5.4%	8.9%
12	93.3	3.5%	-1.7%
13	87.3	3.6%	-6.2%
14	87.4	-1.4%	-6.3%
15	75.5	6.1%	-16.0%
16	89.4	-5.2%	0.7%

Power consumption per linear foot - loads tested with PSD series of power supplies (page3)

POWER CONSUMPTION PER FOOT

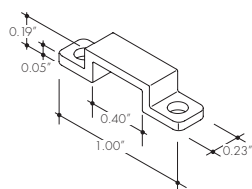
Length of strip (LF)	W/ft	Total wattage
1	4.65	4.65
2	4.60	9.20
3	4.55	13.65
4	4.50	18.00
5	4.45	22.25
6	4.40	26.40
7	4.35	30.45
8	4.30	34.40
9	4.25	38.25
10	4.20	42.00
11	4.15	45.65
12	4.15	49.80
13	4.10	53.30
14	4.05	56.70
15	4.00	60.00
16	3.95	63.20
17	3.90	66.30
18	3.85	69.30
19	3.80	72.20
20	3.75	75.00
21	3.70	77.70
22	3.65	80.30
23	3.60	82.80
24	3.55	85.20
25	3.50	87.50



Accessories

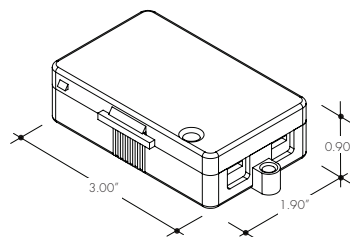
Mounting clip:
recommended at every 12" when
LineLED strip is facing down.

Part # CL1



Splice Box:
low voltage, 4 terminal
splice box, black.




Part # LVSP-4T-BK



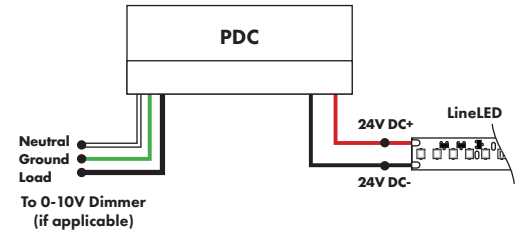
Power Supplies

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
Length	8.25"
Width	4.10"
Depth	1.56"

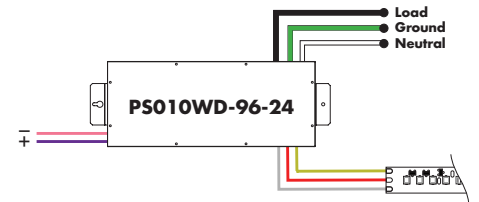


0-10V Warm Dimming 0% Power Supply 120VAC - 277VAC (for warm dimming of Dynamic White option)

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
A Length	14.40"
B Width	2.60"
C Depth	5.20"

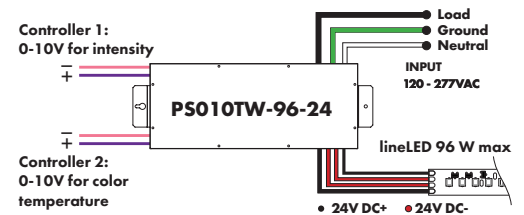


0-10V Tunable White 0% Dimming Power Supply 120VAC - 277VAC (for tunable white control of Dynamic White option)





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

Requires two 0-10V controllers to work properly

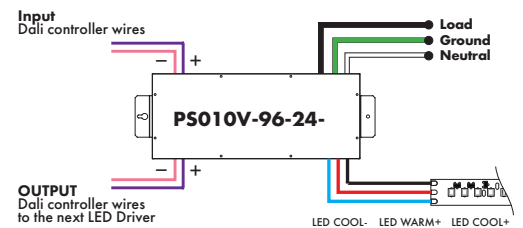
MODELS	PS010TW
A Length	14.40"
B Width	2.60"
C Depth	5.20"



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 W2I - 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
A Length	14.40"
B Width	2.60"
C Depth	5.20"

Power Supplies

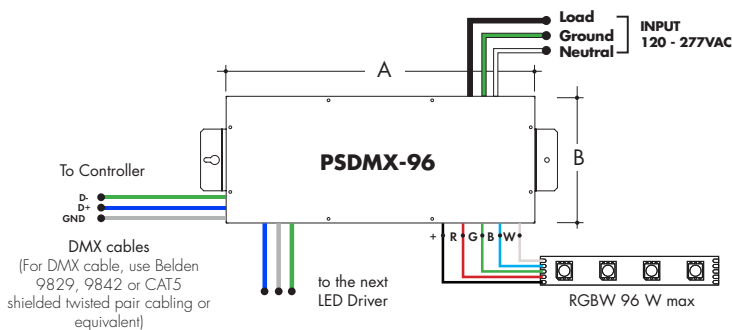
See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

DMX 0% Dimming Power Supplies 120VAC - 277VAC

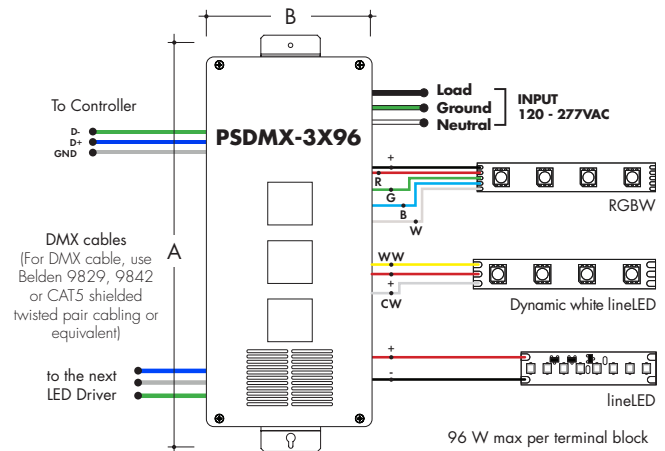
MODEL	POWER	OUTPUT
PSDMX - DMX Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers.

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



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

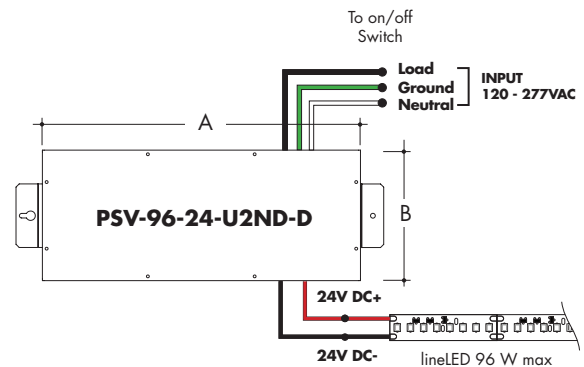


Non-Dimming Power Supply 120VAC - 277VAC

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
A Length	14.40"
B Width	5.20"
Depth	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

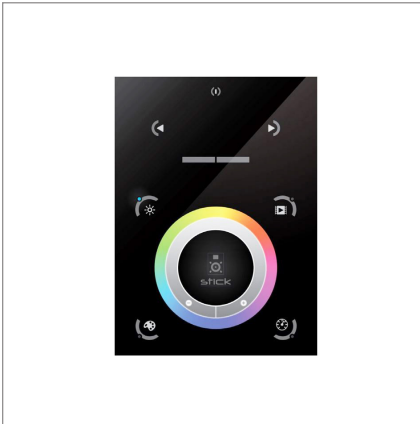
MODEL

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

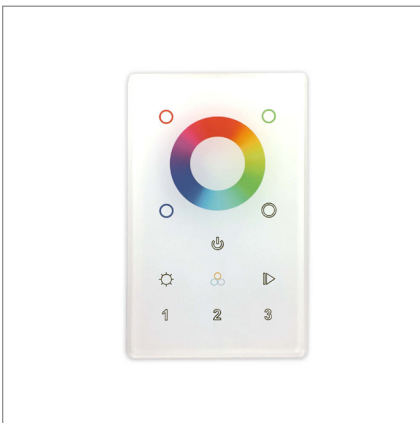
DMX512 (1024 channels)

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
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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