

## Features

Line LED LL series is a small profile, high performance LED strip. It offers excellent color quality with 95+ CRI and 95+ R9 values across the entire range of outputs, while sustaining efficacy above 90 lumens per watt. The simple range consists of just two configurations, 42 and 72 LEDs per foot, with multiple outputs from each, providing a range from 100 to over 500 lumens per foot. Industry-best color consistency is ensured with single-binned LEDs. LL72 provides smooth, dot-free illumination in all Luminii extrusions when paired with a frosted lens.



LL42



LL72

### Mounting

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

### Applications

Indoor only - millwork, cove, architectural reveals, undercabinet, display case, handrail, accent lighting.

### Approvals

Class 2 damp listed

### Operating voltage

24 VDC

### Life (L70)

50,000 hours

### Warranty

5 years



## Technical information

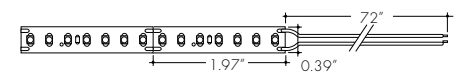
TYPE	LL42			LL72		
OUTPUT OPTIONS	SO	HO	VHO	SO	HO	VHO
Lumens Output (3000K)	132 lm/ft	222 lm/ft	322 lm/ft	272 lm/ft	442 lm/ft	537 lm/ft
Average Power Consumption (for a 4' section)	1.4 W/ft	2.4 W/ft	3.6 W/ft	2.8 W/ft	4.8 W/ft	6.0 W/ft
Efficacy	94 lm/W	93 lm/W	89 lm/W	97 lm/W	92 lm/W	90 lm/W
Cutting Increment (in)	1.97"			1.16"		
Pitch Length	0.28"			0.17"		
Max Run Length (in series)	55 ft	45 ft	35 ft	40 ft	31 ft	22 ft
Dimensions	0.39"W x 0.09" H					

CCT	Multiplier (reference - 3000K)	TM-30			
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
1900K	0.55	96	94	97	90
2200K	0.70	96	95	101	89
2400K	0.72	98	97	101	91
2700K	0.74	97	96	101	91
3000K	1.00	97	95	104	97
3500K	1.02	97	94	105	97
4100K	1.07	97	90	99	97

### Section Start/End Options

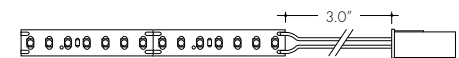
#### SL

Soldered lead wires (72")



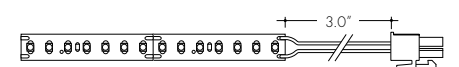
#### LF

Lead Female 3" cable



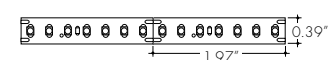
#### LM

Lead Male 3" cable



#### NC

No connector



## Ordering code

MODEL	OUTPUT	CCT	SECTION START <sup>1</sup>	SECTION END <sup>1</sup>	LENGTH
LL42 - LineLED LL42 LL72 - LineLED LL72	SO - Standard HO - High VHO - Very High	19K - 1900K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	SL - Soldered lead wires (72") NC - No connector LM - Lead Male LF - Lead Female	SL - Soldered lead wires (72") NC - No connector LM - Lead Male LF - Lead Female	Ordered in one foot increments. See chart above for max run length.

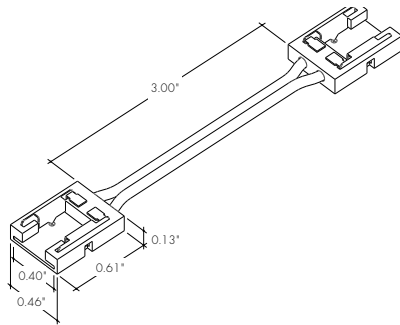
<sup>1</sup> - Additional Connectors and Leads available, see below.

## Minii Connectors

Minii connectors are easy, field-installable accessories that make joining LL strip simple! Their minimal width allows them to fit into extrusions, while their transparent frame eliminates dark spots.

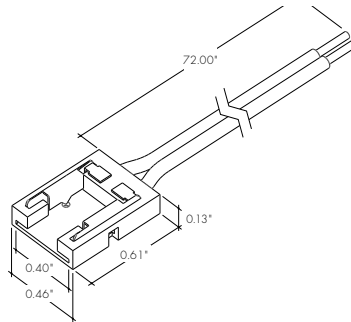
### LL-PJC-10-03

Jumper minii connector with 3" wire for LL42/72 LED strip



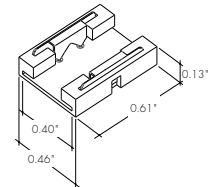
### LL-PFC-10-72

Power feed minii connector with 72" wire for LL42/72 LED strip

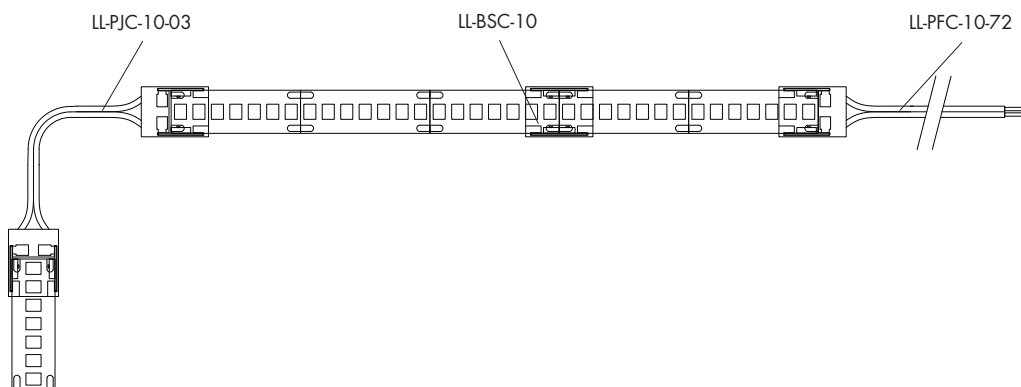


### LL-BSC-10

Butt splice minii connector for LL42/72 LED strip



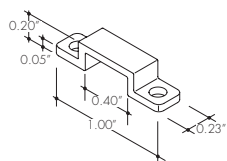
## Sample Layout



## Accessories

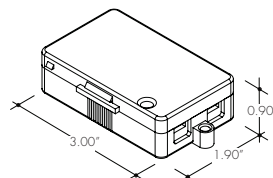
### CL1

Mounting clip



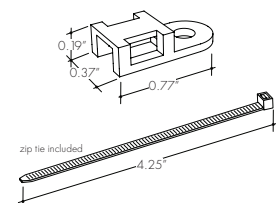
### LVSP-4T-BK

Low Voltage, 4 Terminal Splice Box, Black



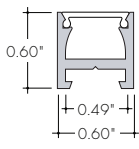
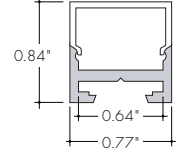
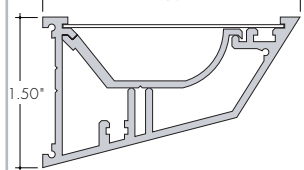
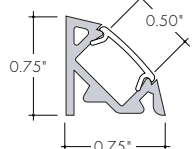
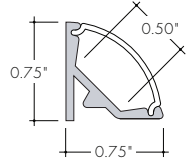
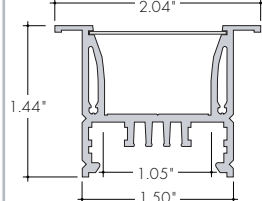
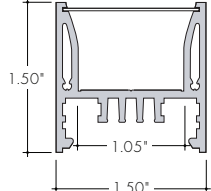
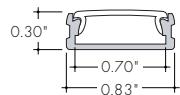
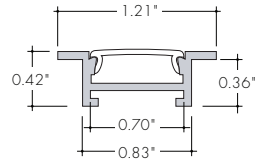
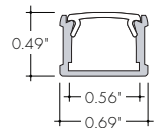
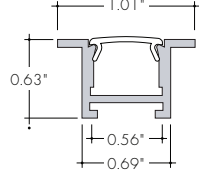
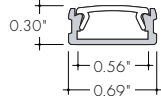
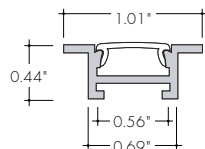
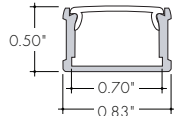
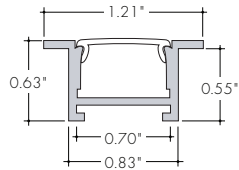
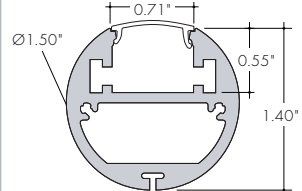
### LL-ZIP

Cable/Wire Strain Relief Clip



Recommended every 12" when LineLED strip is facing down

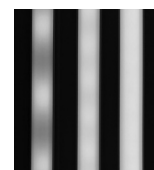
## Lens Options / Light Transmission

C Clear	HF Half (50%) Frosted	G Graze	F Frosted	FF Flat Frosted	R Raised	S Square Frosted	Q Round Square Frosted	13° 13° Semi-Frosted						
BOS Channel (BOSC-XX) 		CLA Channel (CLAC-XX) 		MCAL Channel (MCALC-XX) 		K45V Channel (K45V-XX) 								
F 78%	SI 100%	R 91%	G 114%	S 96%	Q 100%	C 100%	HF 83%	F 55%	13° 94%					
K45R Channel (K45R-XX) 		KiloR Channel (KILORC-XX) 		Kilo Channel (KILOC-XX) 		KL Channel (KLC-XX) 								
RF 55%	C 114%	F 100%	C 114%	F 100%	C 114%	F 100%	C 100%	HF 83%	F 63%					
KRL Channel (KRLC-XX) 		KM Channel (KMC-XX) 		KRM Channel (KRMC-XX) 		KS Channel (KSC-XX) 								
C 100%	HF 83%	F 63%	C 100%	HF 83%	F 55%	FF 63%	R 70%	G 94%	C 100%	HF 82%	F 65%	FF 69%	R 74%	M 98%
KRS Channel (KRSC-XX) 		KXL Channel (KXLC-XX) 		KRXL Channel (KRXLC-XX) 		RO15 Channel (RO15-XX) 								
C 100%	HF 82%	F 65%	FF 69%	M 98%	C 100%	HF 84%	F 62%	C 100%	F 63%	C 100%	F 63%			

## Led Dotting per Extrusion

using the frosted lens option

Extrusion	LED Model LL42-72
KSC, KRSC	ND
KMC, KRMC, K45V	ND
KXLC, KRXLC	ND
KLC, KRLC	ND
KILOC, KILORC	ND
RO15	ND
BOSC	ND
CLAC	ND
MCAL	ND



CD SD ND  
CD - Clear Dotting  
SD - Slight Dotting  
ND - No Dotting

## Installation

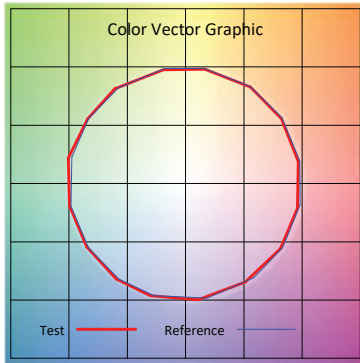
All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

## Ordering

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

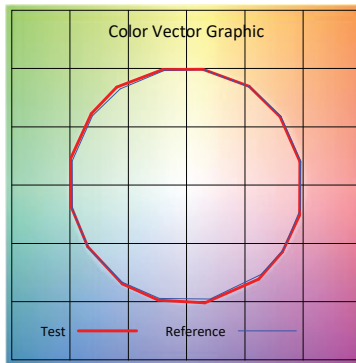
## TM-30-15: Data

2200K



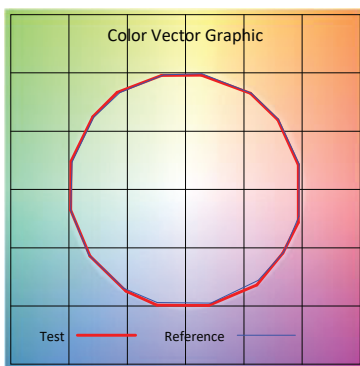
		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	96.8	-1.4%	-0.2%
2	97.4	-0.7%	-0.3%
3	96.2	-0.5%	-0.4%
4	97.5	-0.8%	-1.0%
5	97.3	-0.8%	1.1%
6	95.4	1.0%	2.8%
7	98.1	0.5%	0.6%
8	95.7	2.8%	1.3%
9	97.0	1.1%	-0.8%
10	96.4	0.6%	-1.6%
11	96.0	1.3%	-2.2%
12	94.7	0.8%	-3.0%
13	92.0	0.2%	-7.8%
14	87.2	-1.1%	-7.9%
15	96.6	-0.9%	-1.7%
16	94.1	-1.6%	-3.2%

2400K



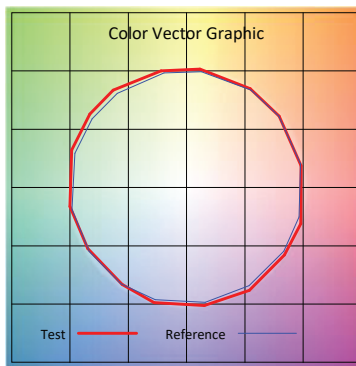
		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	97.3	-0.7%	-0.6%
2	98.0	-0.7%	0.1%
3	96.7	0.1%	1.2%
4	97.4	0.0%	0.5%
5	97.0	1.0%	1.9%
6	95.0	2.9%	1.6%
7	96.4	1.7%	-0.9%
8	96.2	1.9%	-1.3%
9	97.2	0.4%	-1.1%
10	97.9	-0.3%	-0.3%
11	96.9	1.2%	1.2%
12	94.8	1.7%	-0.4%
13	93.6	2.2%	-4.9%
14	92.7	2.2%	-3.9%
15	96.7	0.4%	-2.0%
16	92.9	0.3%	-4.7%

2700K



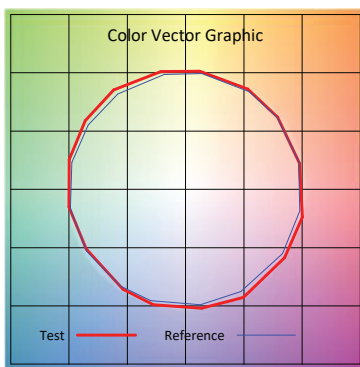
		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	97.1	-1.0%	-0.6%
2	98.2	-0.7%	-0.2%
3	97.0	-0.5%	0.8%
4	97.1	-1.2%	0.2%
5	96.9	-0.1%	1.9%
6	96.2	1.7%	1.8%
7	97.3	0.8%	-0.1%
8	97.9	1.0%	-0.3%
9	98.2	-0.1%	-0.1%
10	96.8	-0.2%	1.5%
11	94.8	0.9%	3.0%
12	94.4	2.4%	0.2%
13	95.7	1.6%	-2.4%
14	94.2	2.7%	-3.1%
15	96.5	-0.0%	-1.4%
16	92.3	0.7%	-5.3%

3000K



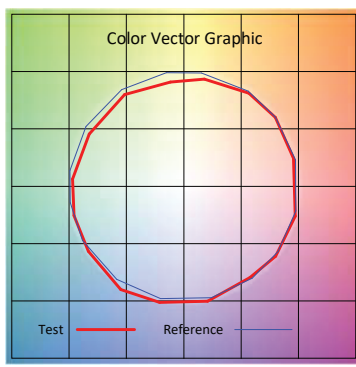
		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	95.9	0.2%	-1.7%
2	97.4	0.2%	-0.2%
3	96.3	0.7%	1.2%
4	95.1	1.9%	1.6%
5	94.9	2.3%	2.1%
6	92.6	4.3%	1.2%
7	92.1	3.9%	-2.2%
8	93.1	3.3%	-2.3%
9	94.8	1.2%	-2.8%
10	94.6	-0.5%	-2.7%
11	96.2	-0.1%	1.0%
12	93.7	2.7%	-0.3%
13	95.7	2.5%	-1.3%
14	94.2	3.6%	-2.1%
15	94.2	2.2%	-2.5%
16	92.0	2.5%	-5.3%

3500K



		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	96.4	0.5%	-1.5%
2	97.7	0.3%	0.2%
3	94.7	1.0%	2.2%
4	94.4	1.7%	2.2%
5	93.4	3.0%	2.3%
6	91.4	5.0%	1.0%
7	92.7	4.1%	-1.6%
8	94.1	2.8%	-2.1%
9	95.0	0.9%	-2.1%
10	95.9	-0.8%	-1.6%
11	93.5	1.1%	3.4%
12	91.7	3.1%	3.0%
13	95.3	3.1%	0.5%
14	93.0	5.3%	-0.8%
15	93.5	3.4%	-2.1%
16	90.9	3.2%	-4.6%

4100K



		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	91.5	-1.3%	1.6%
2	95.3	-0.1%	-0.4%
3	95.4	-1.0%	-1.3%
4	89.1	-4.8%	-3.5%
5	86.6	-8.7%	-2.1%
6	91.9	-5.0%	0.5%
7	87.8	-6.2%	4.0%
8	86.7	-3.5%	6.7%
9	82.7	-1.2%	11.7%
10	81.6	1.0%	10.5%
11	84.5	5.4%	8.0%
12	92.6	3.3%	-0.3%
13	90.9	2.3%	3.9%
14	92.6	-1.5%	-1.5%
15	86.6	0.5%	-4.4%
16	86.7	0.5%	-4.7%

## Power Consumption

Tested at full power with PDC Series power supplies.

Nominal Length	LL42						LL72					
	SO		HO		VHO		SO		HO		VHO	
	W/ft	Total Wattage	W/ft	Total Wattage	W/ft	Total Wattage	W/ft	Total Wattage	W/ft	Total Wattage	W/ft	Total Wattage
1	1.2	1.2	2.2	2.2	3.2	3.2	2.7	2.7	4.4	4.4	6.2	6.2
2	1.2	2.4	2.5	4.9	3.2	6.4	2.8	5.6	4.7	9.4	6.3	12.6
3	1.4	4.1	2.4	7.0	3.4	10.1	2.7	8.2	4.6	13.8	6.1	18.4
4	1.4	5.3	2.4	9.2	3.6	14.1	2.7	10.7	4.5	17.8	6.0	23.5
5	1.4	7.1	2.3	11.3	3.6	17.8	2.8	13.8	4.6	22.8	5.8	29.1
6	1.4	8.7	2.3	13.8	3.6	21.6	2.7	16.4	4.4	26.6	5.8	34.7
7	1.4	10.0	2.3	16.1	3.6	25.6	2.7	19.2	4.3	30.8	5.6	40.0
8	1.4	11.1	2.3	18.1	3.6	28.9	2.7	21.8	4.3	34.6	5.5	44.2
9	1.4	12.4	2.3	20.3	3.5	31.6	2.7	24.1	4.3	38.4	5.5	49.2
10	1.4	13.9	2.3	23.0	3.5	34.7	2.7	26.7	4.2	42.0	5.4	54.0
11	1.4	15.4	2.3	25.0	3.4	37.3	2.6	29.1	4.1	45.3	5.3	58.1
12	1.4	16.4	2.3	27.2	3.3	40.0	2.6	31.2	4.0	47.8	5.2	61.9
13	1.4	17.9	2.2	29.1	3.3	42.7	2.6	33.5	4.0	51.7	4.9	64.3
14	1.4	19.0	2.2	31.0	3.3	45.4	2.5	35.5	3.9	54.9	5.1	72.0
15	1.4	20.2	2.2	32.5	3.2	48.0	2.5	37.7	3.9	57.6	5.0	74.4
16	1.3	21.7	2.2	35.1	3.2	51.3	2.5	40.4	3.8	61.5	4.9	78.7
17	1.3	22.7	2.1	36.6	3.1	53.7	2.5	42.4	3.8	63.8	4.7	80.1
18	1.3	23.9	2.1	38.1	3.1	55.8	2.5	44.9	3.7	66.9	4.6	84.0
19	1.3	25.0	2.1	39.8	3.1	58.1	2.4	46.5	3.6	69.0	4.6	87.2
20	1.3	26.5	2.2	43.4	3.0	60.1	2.4	48.5	3.6	71.7	4.5	90.0
21	1.3	27.5	2.1	45.0	3.0	62.3	2.4	49.8	3.5	74.5	4.4	92.5
22	1.3	28.8	2.1	46.6	2.9	64.6	2.3	51.5	3.5	76.2	4.3	95.6
23	1.3	30.0	2.1	48.2	2.9	67.0	2.3	52.6	3.4	78.0		
24	1.3	31.1	2.1	49.7	2.9	69.1	2.3	55.4	3.4	80.6		
25	1.3	32.4	2.1	51.3	2.9	71.4	2.3	56.8	3.3	82.2		
26	1.3	33.4	2.0	52.6	2.8	73.1	2.2	57.3	3.3	84.4		
27	1.3	34.6	2.0	54.2	2.8	75.0	2.2	58.1	3.2	86.5		
28	1.3	35.6	2.0	55.5	2.7	76.6	2.2	60.8	3.2	88.2		
29	1.3	36.6	2.0	56.8	2.7	78.1	2.2	63.3	3.1	89.4		
30	1.3	37.6	1.9	58.1	2.7	79.7	2.2	65.1	3.0	90.9		
31	1.2	38.5	1.9	59.3	2.6	81.1	2.1	64.9	3.0	91.5		
32	1.2	39.4	1.9	60.6	2.6	82.5	2.1	67.8				
33	1.2	40.4	1.9	61.8	2.5	83.8	2.1	69.6				
34	1.2	41.2	1.9	63.0	2.5	85.1	2.1	69.9				
35	1.2	42.1	1.8	64.2	2.5	86.5	2.0	71.4				
36	1.2	43.0	1.8	65.2			2.0	72.8				
37	1.2	44.0	1.8	66.4			2.0	73.7				
38	1.2	44.9	1.8	67.4			2.0	75.5				
39	1.2	45.8	1.8	68.5			1.9	75.9				
40	1.2	46.6	1.7	69.4			1.9	76.7				
41	1.2	47.3	1.7	70.3								
42	1.1	48.0	1.7	71.3								
43	1.1	48.8	1.7	72.2								
44	1.1	49.5	1.7	73.2								
45	1.1	50.1	1.6	74.0								
46	1.1	50.9										
47	1.1	51.7										
48	1.1	52.4										
49	1.1	53.1										
50	1.1	53.8										
51	1.1	54.4										
52	1.1	55.0										
53	1.1	55.7										
54	1.0	56.3										
55	1.0	56.8										

## Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
<b>5</b>	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
<b>10</b>	544.1	342.2	215.1	135.3	85.1	53.5	33.7
<b>15</b>	362.7	228.1	143.4	90.2	56.7	35.7	22.4
<b>20</b>	272.0	171.1	107.6	67.7	42.6	26.8	16.8
<b>25</b>	217.6	136.9	86.1	54.1	34.0	21.4	13.5
<b>30</b>	181.4	114.1	71.7	45.1	28.4	17.8	11.2
<b>35</b>	155.5	97.8	61.5	38.7	24.3	15.3	9.6
<b>40</b>	136.0	85.5	53.8	33.8	21.3	13.4	8.4
<b>45</b>	120.9	76.0	47.8	30.1	18.9	11.9	7.5
<b>50</b>	108.8	68.4	43.0	27.1	17.0	10.7	6.7
<b>55</b>	98.9	62.2	39.1	24.6	15.5	9.7	6.1
<b>60</b>	90.7	57.0	35.9	22.6	14.2	8.9	5.6
<b>65</b>	83.7	52.6	33.1	20.8	13.1	8.2	5.2
<b>70</b>	77.7	48.9	30.7	19.3	12.2	7.6	4.8
<b>75</b>	72.5	45.6	28.7	18.0	11.3	7.1	4.5
<b>80</b>	68.0	42.8	26.9	16.9	10.6	6.7	4.2
<b>85</b>	64.0	40.3	25.3	15.9	10.0	6.3	4.0
<b>90</b>	60.5	38.0	23.9	15.0	9.5	5.9	3.7
<b>96</b>	56.7	35.6	22.4	14.1	8.9	5.6	3.5

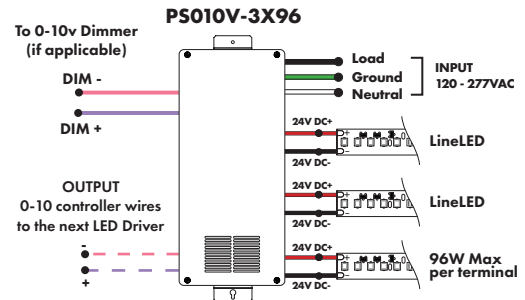
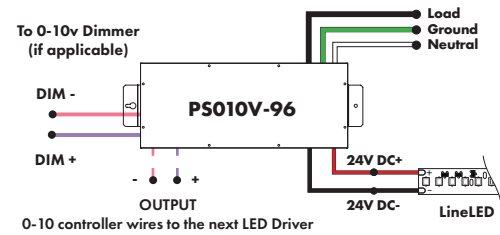
### Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

#### 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PS010V - 0-10V Power Supply dims down to 0.1%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

MODELS	96W	3X96
Length	14.40"	13.00"
Width	5.20"	6.62"
Depth	2.60"	4.20"

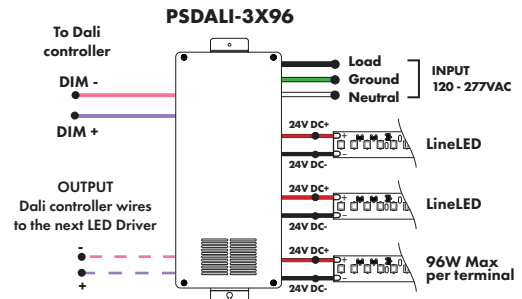
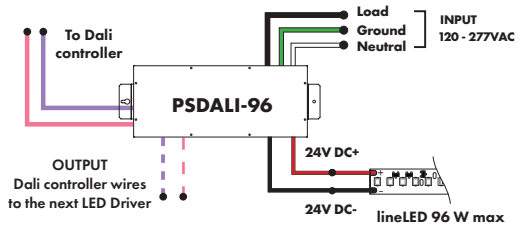


#### DALI 0% Dimming Power Supplies 120VAC - 277VAC

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

Features eldoLED's LINEARdrive configurable dimmable drivers

Model	96W	3X96
Length	14.40"	13.00"
Width	5.20"	6.62"
Depth	2.60"	4.20"

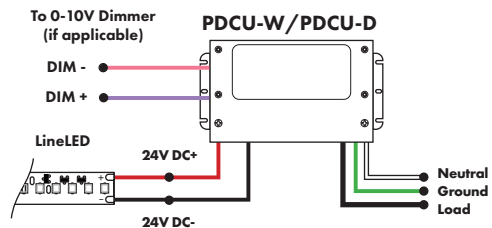


#### Universal Power Supply 1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W	24 - 24 VDC
PDCU-W - IP66 Wet Series	96 - 96 W 3X96 - 3X96 W	

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

For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.



MODEL	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"

## Power Supplies

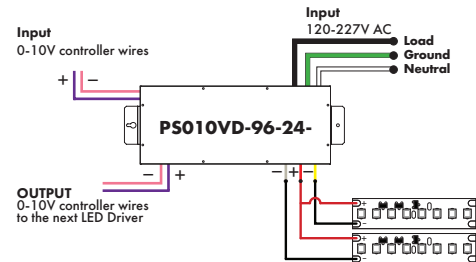
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

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

MODEL	POWER	OUTPUT	CONTROL
PS010VD-0-10V Vintage Dim LED Driver	96-96 Watt	24-24 VDC	W2I-Standard dimming for both tapes

\*Zonal control power supplies

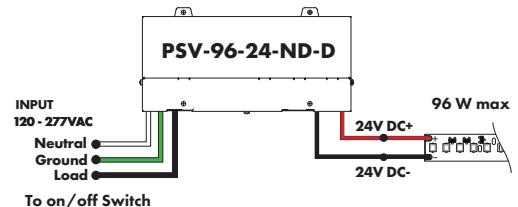
MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"



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

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ND - Non Dimming	D - Damp

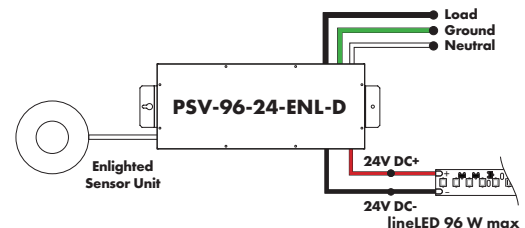
MODELS	96W
Length	8.25"
Width	3.75"
Depth	1.63"



### Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ENL - Enlighted Dimming dims down to 0%	D - Damp

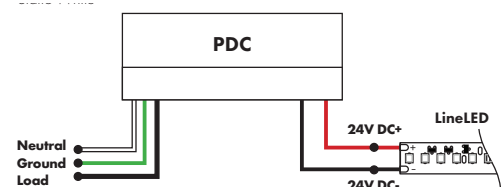
Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"



### Triac, MLV, ELV 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"





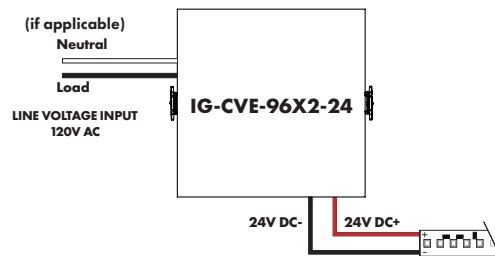
### Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

#### In-Ground Power Supplies

MODEL	POWER	OUTPUT	INPUT
IG - In ground CVE Series	CVE - ELV Dimming DALI - eldoLED Dali dimming Both dims down to 0%	96X2 - 2 X 96 Watt 24 - 24 VDC	Blank - 120 V 277 - 240/277 V

MODEL	Dual Circuit
Length	8.40"
Width	8.30"
Depth	8.10"



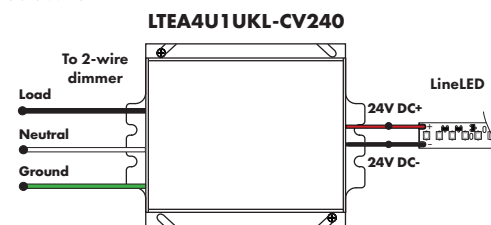
Luminii is a Lutron OEM Advantage Partner **Lutron Power Supplies 1%**

MODEL
LTEA4U1UKL-CV240

Lutron - HiLume™ 1% 2-wire LED Driver 40W max

(120V forward phase only)

MODEL	LTEA41UKL-CV240
Length	4.89"
Width	4.00"
Depth	2.62"



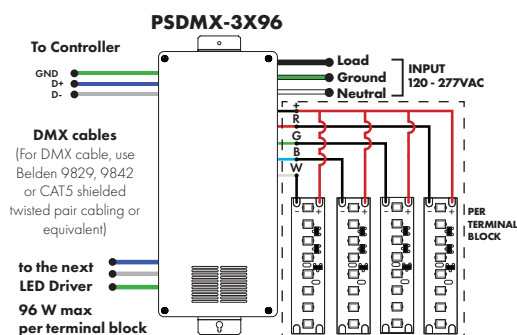
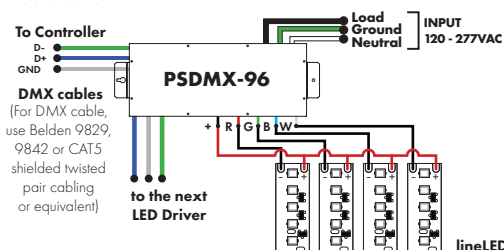
#### DMX Dimming Power Supplies 120VAC - 277VAC

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

\*Zonal control power supplies. Control multiple tapes/zones using DMX channels.

MODEL	96W	3X96
Length	14.40"	13.00"
Width	5.20"	6.60"
Depth	2.60"	4.20"



## Decoders



MODEL

**DDMX-5CH-RDM-PRO**

DDMX-5CH-RDM-PRO-DMX512 Decoder

DMX512 decoder with RDM functionality features 5 PWM output channels with common anode. High PWM output frequency range allows the product to be used in HD video conferencing spaces. All DMX products to be installed per DMX512 Standard.

**Power**  
96 Watt**Inputs**  
RJ45, XLR-5Pin, Terminal Block**DMX Channels**  
1 to 5 settable**PWM Output Resolution Ratio**  
8 or 16 bit**PWM Output Frequency**  
500Hz - 30KHz**Output Dimming Curve Gamma Value**  
0.1 ~ 9.9

MODEL

**DDMX-RGBW**

DDMX-RGBW - DMX512 Decoder

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 (Luminii part# RGBW-SR).

**Operating Voltage**  
12-36 VDC**Power Capacity**  
up to 96W at 24V**Operating Temperature Range**  
from -4°F to +122°F in case**PWM Output Frequency**  
200Hz or 1500Hz

MODEL

**RGBW-RC-R**

RGBW-RC-R - RGBW receiver

The RGBW receiver is easily paired with controller by the click of a button. Receiver can be reset to factory settings at any time.

Each receiver can store one static RGB color, one color sequence, and one brightness setting for the white LED strip. Receivers assigned to the same scene within the same zone will have the same LED static color and color sequence.

**Operating Voltage**  
12-36 VDC**Power Capacity**  
up to 96W at 24V**Operating Temperature Range**  
from -4°F to +122°F in case

## Decoders



MODEL

**RGBW-SR**

RGBW-SR - RGBW signal repeater

Extends identical signal when connected in series to an RGBW LED control system. The RGBW signal repeater works with Luminii RGB and RGBW controllers, receivers, and decoders.

RGBW signal can be extended indefinitely when adequate power supply (not included) is connected to the system.

**Operating Voltage**  
12-36 VDC

**Power Capacity**  
up to 96W at 24V

**Operating Temperature Range**  
from -4°F to +122°F in case



MODEL

**RGBW-WI-R**

RGBW-WI-R - WIFI generator

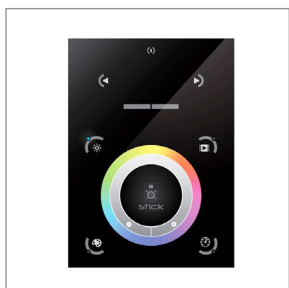
RGBW-WI-R creates a local network that enables any electronic device (phone, tablet, etc.) to control the RGB/W strip connected to a RGBW-RC-R receiver.

The control functions are achieved through a free application download for Android and iOS devices called REALCOLOR.

**Operating Voltage**  
12-36 VDC

**Power Supply**  
PI-130-24 (included)

**Operating Temperature Range**  
from -4°F to +122°F in case



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

## Legacy Conversion

Legacy LL Tapes				NEW LL Tapes			
	lm/ft	W/ft	LPW		lm/ft	W/ft	LPW
LL18	125	1.6	78	LL42-SO	130	1.4	98
LL30	200	2.7	74	LL42-HO	225	2.4	92
LL36	250	3.2	78	LL42-VHO	320	3.6	96
LL72-LO	310	4.0	78	LL72-SO	270	2.8	96
LL54	390	5.2	67	LL72-HO	440	4.8	98
LLX18	350	4.9	80				
LLX22	450	5.5	82	LL72-VHO	540	6.0	90
LL72	500	6.5	77				