



LLHE48



LLHE64

### Features

The High Efficacy (LLHE48 and LLHE64) series is a small form factor high performance constant voltage LED strip. Designed to deliver best in class efficacy while operating at low temperature, LLHE48 and LLHE64 deliver constant light output, outstanding color consistency and dimming performance without the need of an additional heat sink.

#### 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 (L90)

100,000 hours

#### Warranty

5 years



### Technical information

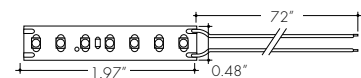
TYPE	LLHE48					LLHE64	
	LO-1W	LO	SO	MO	HO	VHO	XHO
<b>OUTPUT OPTIONS</b>							
Lumens Output (3000K)	128 lm/ft	265 lm/ft	367 lm/ft	490 lm/ft	786 lm/ft	995 lm/ft	1119 lm/ft
Average Power Consumption (for a 4" section)	1.0 W/ft	1.9 W/ft	2.8 W/ft	3.5 W/ft	6.5 W/ft	7.5 W/ft	9.6 W/ft
Efficacy	128 lm/W	139 lm/W	131 lm/W	140 lm/W	121 lm/W	133 lm/W	117 lm/W
Cutting Increment (in)	1.97"					1.51"	
Pitch Length	0.25"					0.19"	
Max Run Length (in series)	60 ft	48 ft	42 ft	33 ft	21 ft	15 ft	13 ft
Dimensions	0.48"W x 0.06" H					0.48"W x 0.06" H	

CCT	Multiplier (reference - 3000K)	TM-30			
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
2200K	0.73	92	91	97	42
2500K	0.81	93	96	96	62
2700K	0.94	92	90	99	58
3000K	1.00	92	89	99	57
3500K	1.02	92	89	99	60
4100K	1.02	92	86	94	71

#### Section Start/End Options

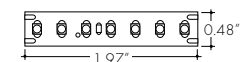
##### SL

Soldered lead wires (72")



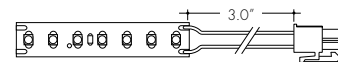
##### NC

No connector



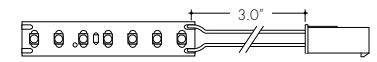
##### LF

Lead Female 3" cable



##### LM

Lead Male 3" cable



### Ordering code

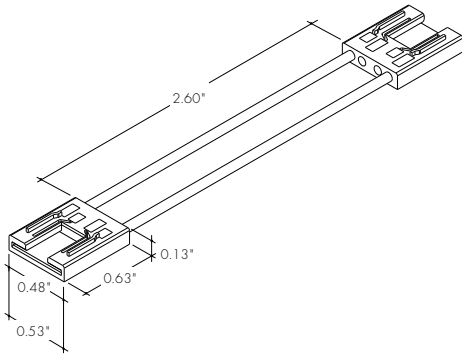
MODEL	OUTPUT	CCT	SECTION START	SECTION END	LENGTH
LLHE48 - LineLED HE 48	LO-1W - Low-1W LO - Low SO - Standard MO - Medium HO - High	22K - 2200K 25K - 2500K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	SL - Soldered lead wires (72") NC - No connector LM - Lead Male LF - Lead Female	SL - Soldered lead wires (72") NC - No connector LM - Lead Male LF - Lead Female	Ordered in one foot increments. See chart above for max run length.
LLHE64 - LineLED HE 64	VHO - Very High XHO - Max				

### 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.  
**Note: verify internal extrusion dimensions to confirm compatibility**

#### LL-PJC-12-03

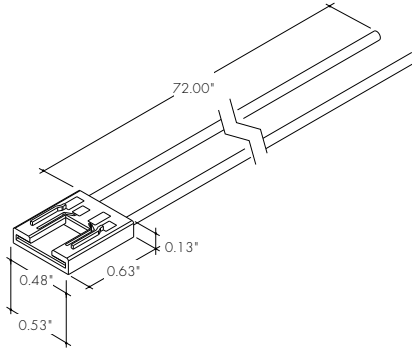
Jumper minii connector with 3" wire for LLHE LED strip



Not compatible with LLHE64

#### LL-PFC-12-72

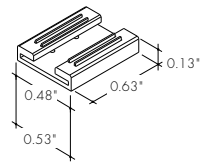
Power feed minii connector with 72" wire for LLHE LED strip



Not compatible with LLHE64

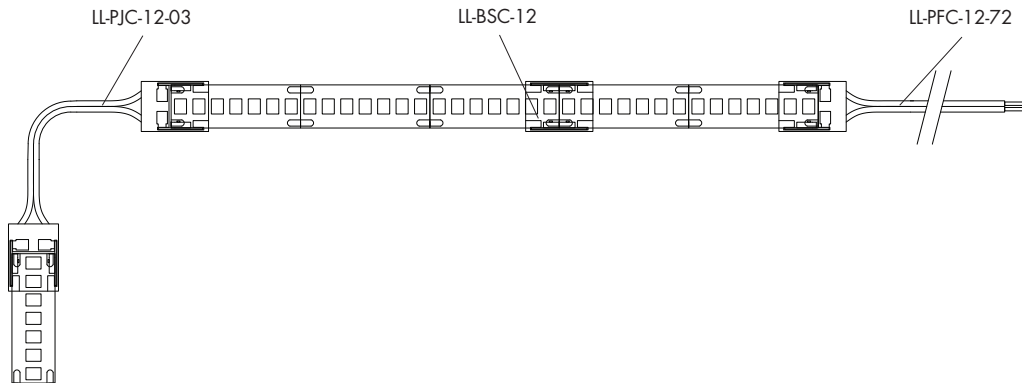
#### LL-BSC-12

Butt splice minii connector for LED strip



Not compatible with LLHE64

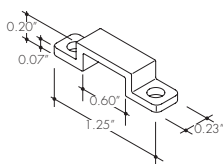
### Sample Layout



### Accessories

#### CL2

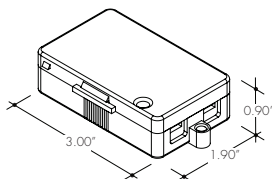
Silicon mounting Clip



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

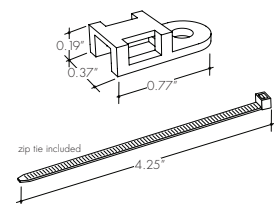
#### LVSP-4T-BK

Low Voltage, 4 Terminal Splice Box, Black



#### LL.ZIP

Cable/Wire Strain Relief Clip



**Lens Options / Light Transmission**



Clear



Half (50%)  
Frosted



Graze



Frosted



Flat  
Frosted



Raised



Square  
Frosted



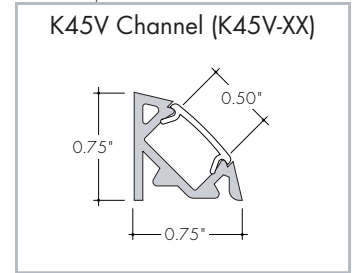
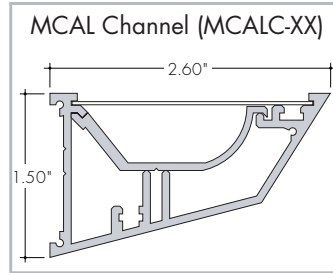
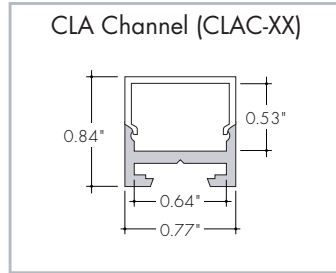
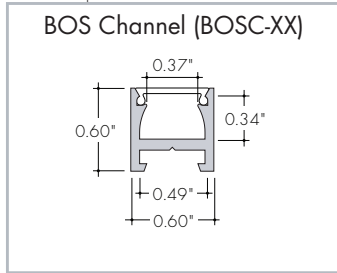
Round Square  
Frosted



13°  
Semi-Frosted

\*Not compatible with Minii connectors

\*Not compatible with Minii connectors

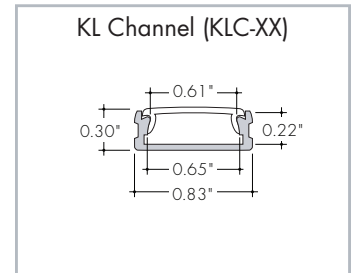
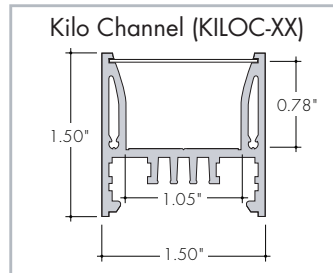
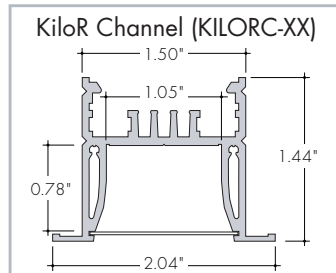
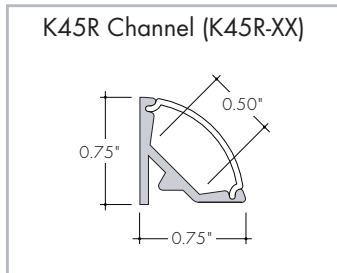


**F** **SI** **R** **G**  
52% 66% 60% 76%

**S** **Q**  
62% 65%

**C**  
94%

**C** **HF** **F** **13°**  
82% 68% 45% 75%



**RF**  
61%

**C** **F**  
85% 75%

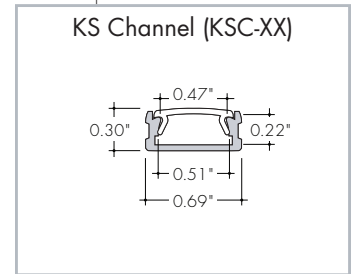
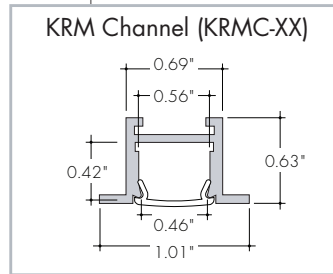
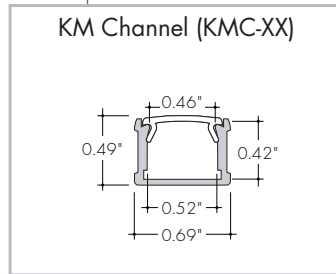
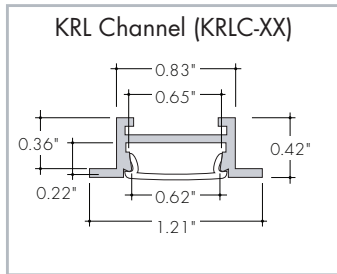
**C** **F**  
85% 75%

**C** **HF** **F**  
81% 67% 51%

\*Not compatible with Minii connectors

\*Not compatible with Minii connectors

\*Not compatible with Minii connectors



**C** **HF** **F**  
81% 67% 51%

**C** **HF** **F** **FF** **R** **GR**  
82% 68% 45% 52% 58% 56%

**C** **HF** **F** **FF** **GR**  
82% 68% 45% 52% 56%

**C** **HF** **F** **FF** **R** **M**  
86% 71% 56% 60% 85% 64%

**Installation**

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

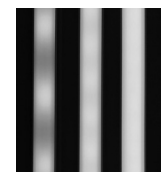
**Ordering**

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

**Led Dotting per Extrusion**

using the frosted lens option

Extrusion	LED Model LLHE48	LED Model LLHE64
<b>KSC, KRSC</b>	CD	ND
<b>KMC, KRMC, K45V</b>	ND	ND
<b>KXLC, KRXLC</b>	ND	ND
<b>K45V</b>	CD	CD
<b>K45R</b>	ND	ND
<b>KLC, KRLC</b>	CD	ND
<b>KILOC, KILORC</b>	ND	ND
<b>RO</b>	ND	ND
<b>RO15</b>	ND	ND
<b>BOSC</b>	ND	ND
<b>CLAC</b>	ND	ND
<b>MCAL</b>	ND	ND



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



Clear



Half (50%)  
Frosted



Graze



Frosted



Flat  
Frosted



Raised



Square  
Frosted

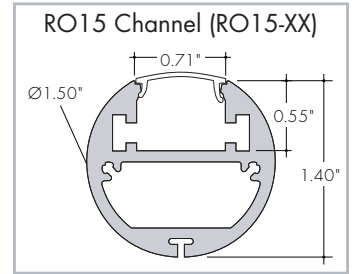
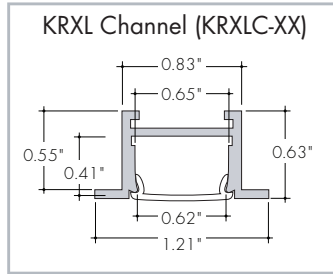
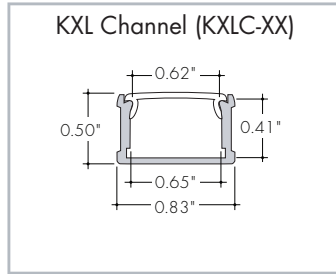
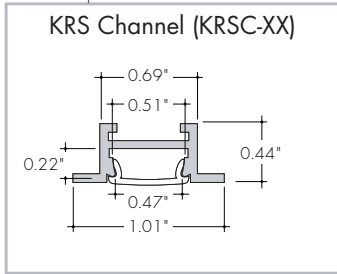


Round Square  
Frosted



13°  
Semi-Frosted

\*Not compatible with Minii connectors



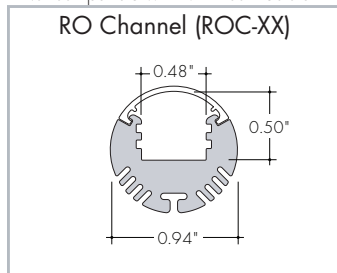
- C**  
86%
- HF**  
71%
- F**  
56%
- FF**  
60%
- M**  
64%

- C**  
81%
- HF**  
67%
- F**  
51%

- C**  
81%
- HF**  
67%
- F**  
51%

- C**  
65%
- F**  
41%

\*Not compatible with Minii connectors



- C**  
79%
- F**  
50%

### Installation

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

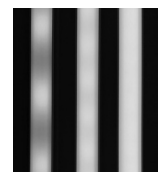
### Ordering

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### Led Dotting per Extrusion

using the frosted lens option

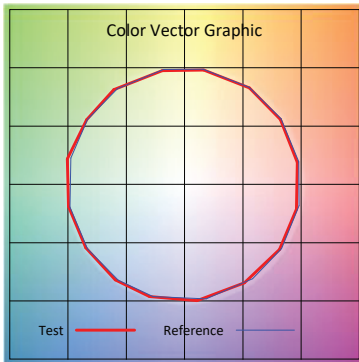
Extrusion	LED Model LLHE48	LED Model LLHE64
<b>KSC, KRSC</b>	CD	ND
<b>KMC, KRMC, K45V</b>	ND	ND
<b>KXLC, KRXLC</b>	ND	ND
<b>K45V</b>	CD	CD
<b>K45R</b>	ND	ND
<b>KLC, KRLC</b>	CD	ND
<b>KILOC, KILORC</b>	ND	ND
<b>RO</b>	ND	ND
<b>RO15</b>	ND	ND
<b>BOSC</b>	ND	ND
<b>CLAC</b>	ND	ND
<b>MCAL</b>	ND	ND



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

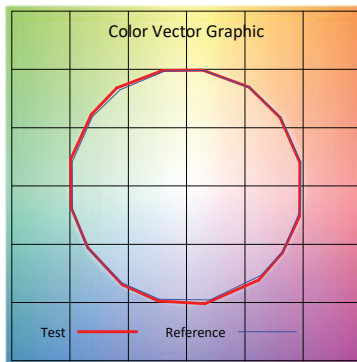
TM-30-15: Data

2200K



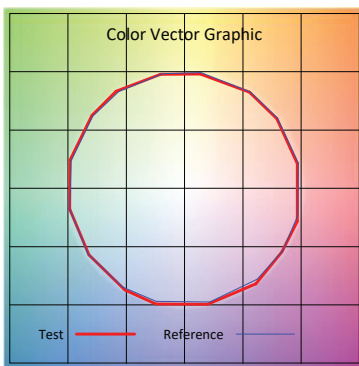
Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	96.8	-1.4%	-0.2%
2	97.4	-0.7%	-0.3%
3	96.2	-0.5%	-0.4%
4	97.5	-0.8%	-1.0%
5	97.3	-0.8%	1.1%
6	95.4	1.0%	2.8%
7	98.1	0.5%	0.6%
8	95.7	2.8%	1.3%
9	97.0	1.1%	-0.8%
10	96.4	0.6%	-1.6%
11	96.0	1.3%	-2.2%
12	94.7	0.8%	-3.0%
13	92.0	0.2%	-7.8%
14	87.2	-1.1%	-7.9%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

2400K



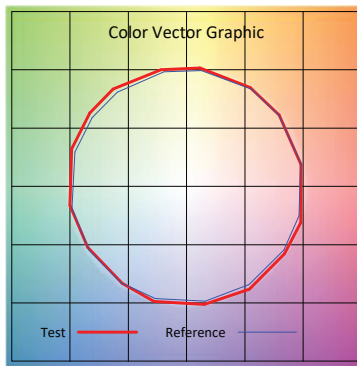
Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	97.3	-0.7%	-0.6%
2	98.0	-0.7%	0.1%
3	96.7	0.1%	1.2%
4	97.4	0.0%	0.5%
5	97.0	1.0%	1.9%
6	95.0	2.9%	1.6%
7	96.4	1.7%	-0.9%
8	96.2	1.9%	-1.3%
9	97.2	0.4%	-1.1%
10	97.9	-0.3%	-0.3%
11	96.9	1.2%	1.2%
12	94.8	1.7%	-0.4%
13	93.6	2.2%	-4.9%
14	92.7	2.2%	-3.9%
15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

2700K



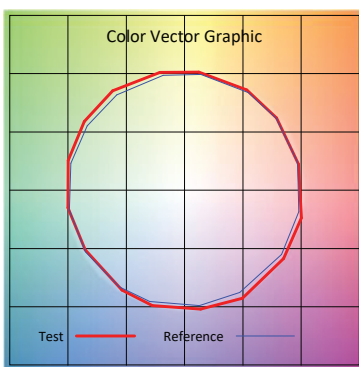
Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	97.1	-1.0%	-0.6%
2	98.2	-0.7%	-0.2%
3	97.0	-0.5%	0.8%
4	97.1	-1.2%	0.2%
5	96.9	-0.1%	1.9%
6	96.2	1.7%	1.8%
7	97.3	0.8%	-0.1%
8	97.9	1.0%	-0.3%
9	98.2	-0.1%	-0.1%
10	96.8	-0.2%	1.5%
11	94.8	0.9%	3.0%
12	94.4	2.4%	0.2%
13	95.7	1.6%	-2.4%
14	94.2	2.7%	-3.1%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

3000K



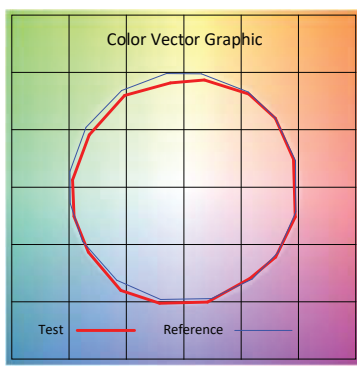
Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	95.9	0.2%	-1.7%
2	97.4	0.2%	-0.2%
3	96.3	0.7%	1.2%
4	95.1	1.9%	1.6%
5	94.9	2.3%	2.1%
6	92.6	4.3%	1.2%
7	92.1	3.9%	-2.2%
8	93.1	3.3%	-2.3%
9	94.8	1.2%	-2.8%
10	94.6	-0.5%	-2.7%
11	96.2	-0.1%	1.0%
12	93.7	2.7%	-0.3%
13	95.7	2.5%	-1.3%
14	94.2	3.6%	-2.1%
15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

3500K



Hue Bin	Rf	Graphic Shifts (%)	
		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



Hue Bin	Rf	Graphic Shifts (%)	
		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	LLHE48-LO-1W		HE48LO		HE48SO		HE48MO		HE48HO		HE64VHO		HE64XHO	
	W/ft	Total Wattage	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	0.90	0.90	1.7	1.7	2.5	2.5	3.5	3.5	5.7	5.7	7.6	7.6	9.7	9.7
2	0.95	1.90	1.9	3.7	2.7	5.4	3.5	7.0	7.3	14.7	7.6	15.1	9.6	19.1
3	0.97	2.90	2.0	5.7	2.8	8.2	3.5	10.2	7.1	20.6	7.5	22.6	9.5	28.4
4	0.98	3.90	1.8	7.1	2.8	11.2	3.5	13.9	6.5	25.4	7.5	30.1	9.6	38.4
5	0.98	4.90	1.8	9.0	3.0	14.6	3.6	17.6	6.4	31.6	7.6	38.4	9.8	50.0
6	0.98	5.90	1.9	11.3	2.9	17.9	3.5	21.4	6.4	38.7	7.6	46.1	9.8	59.7
7	0.99	6.90	1.8	13.1	2.9	20.8	3.5	25.1	6.2	44.1	7.6	52.3	9.2	63.8
8	0.99	7.90	1.8	14.7	2.9	23.3	3.6	28.5	6.2	49.4	7.6	60.1	8.8	70.0
9	1.02	9.20	1.8	16.4	2.9	25.9	3.5	31.9	6.1	55.2	7.6	67.4	8.6	77.1
10	1.02	10.20	1.8	18.1	2.9	28.6	3.5	35.5	6.1	60.5	7.4	74.4	8.2	81.7
11	1.02	11.21	1.7	19.1	2.8	31.2	3.5	38.9	6.4	70.2	7.2	79.2	7.7	85.0
12	1.02	12.22	1.7	20.4	2.9	34.4	3.5	42.3	6.1	73.4	7.0	83.4	7.5	89.9
13	1.02	13.23	1.7	22.1	2.8	36.8	3.5	45.7	5.9	76.9	6.9	90.2	7.2	93.8
14	1.02	14.24	1.6	22.8	2.8	39.3	3.5	48.8	5.7	79.4	6.6	92.7		
15	1.02	15.25	1.6	23.5	2.8	41.9	3.5	52.1	5.5	82.0	6.3	95.2		
16	1.02	16.26	1.6	25.6	2.8	45.3	3.5	56.5	5.2	84.3				
17	1.02	17.27	1.7	28.5	2.8	48.1	3.5	59.4	5.0	86.2				
18	1.02	18.28	1.7	30.4	2.8	51.0	3.5	62.8	4.9	88.1				
19	1.02	19.29	1.8	33.6	2.8	53.3	3.5	65.8	4.7	90.2				
20	1.02	20.30	1.8	35.8	2.8	56.0	3.5	69.0	4.6	91.5				
21	1.01	21.31	1.8	37.7	2.8	59.4	3.4	71.4	4.4	93.1				
22	1.01	22.32	1.8	39.5	2.8	61.3	3.3	73.5						
23	1.01	23.33	1.8	41.4	2.8	64.4	3.3	75.4						
24	1.01	24.34	1.8	43.1	2.8	66.0	3.2	77.2						
25	1.01	25.35	1.9	46.2	2.7	68.1	3.2	78.8						
26	1.01	26.36	1.9	48.2	2.7	70.7	3.1	79.8						
27	1.01	27.37	1.9	50.4	2.7	72.0	3.0	81.4						
28	1.01	28.38	1.9	52.2	2.6	73.6	3.0	82.9						
29	1.01	29.39	1.9	53.9	2.6	74.7	2.9	84.2						
30	1.01	30.40	1.9	57.7	2.5	76.1	2.9	86.1						
31	1.01	31.38	1.9	59.6	2.5	77.0	2.8	87.6						
32	1.01	32.36	1.9	61.4	2.4	77.7	2.8	89.2						
33	1.01	33.34	1.9	63.3	2.4	78.9	2.7	90.7						
34	1.01	34.32	1.9	65.0	2.3	78.0								
35	1.01	35.30	1.9	65.4	2.2	78.1								
36	1.01	36.28	1.9	67.1	2.2	79.5								
37	1.01	37.26	1.9	69.3	2.2	80.4								
38	1.01	38.24	1.9	71.1	2.1	80.9								
39	1.01	39.22	1.9	73.0	2.1	81.0								
40	1.01	40.20	1.9	74.7	2.0	81.2								
41	1.00	41.00	1.9	76.0	2.0	82.6								
42	1.01	42.00	1.8	77.3	2.0	83.0								
43	1.00	42.90	1.8	78.6										
44	1.00	43.80	1.8	79.9										
45	1.00	44.70	1.8	81.1										
46	1.00	45.60	1.8	81.8										
47	1.00	46.50	1.8	82.5										
48	1.00	47.40	1.7	83.1										
49	1.00	48.20												
50	0.99	49.60												
51-60	0.99	59.40												

## 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

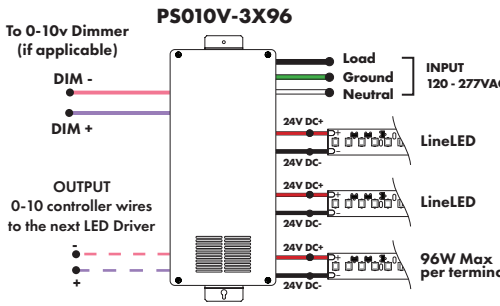
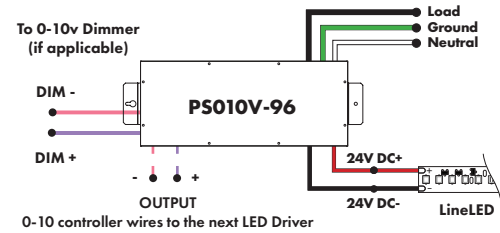
**Power Supplies**

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	DIMMING
PSO10V - 0-10V Power Supply dims down to 0.1%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC	LIN - Linear LOG - Logarithmic

MODELS	96W	3X96
<b>Length</b>	14.40"	13.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.20"

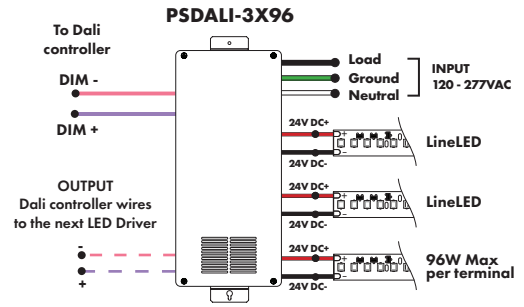
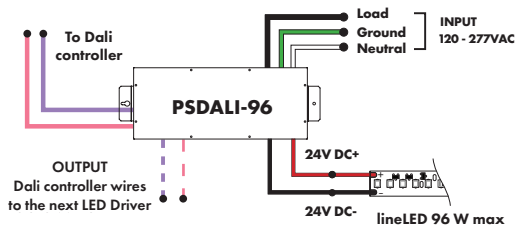


**DALI 0% Dimming Power Supplies 120VAC - 277VAC**

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

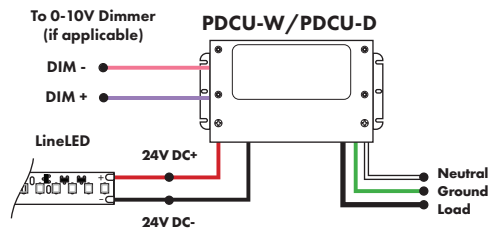
Model	96W	3X96
<b>Length</b>	14.40"	13.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.20"



**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
<b>Length</b>	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
<b>Width</b>	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
<b>Depth</b>	1.61"	1.81"	1.33"	1.32"	1.56"	1.13"



**Power Supplies**

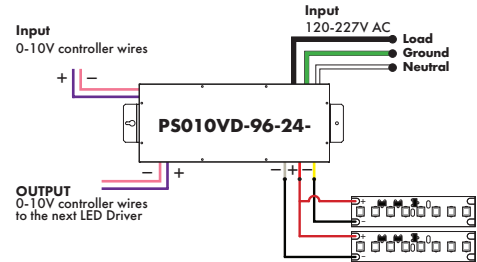
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

**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

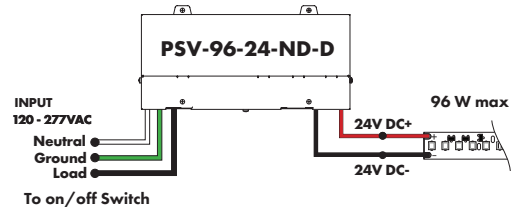
MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"



**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

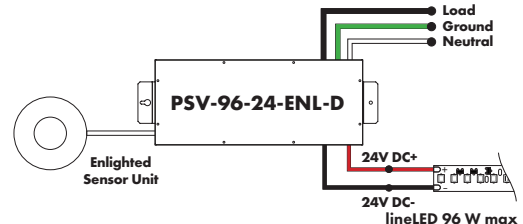
MODELS	96W
Length	8.25"
Width	3.75"
Depth	1.63"



**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

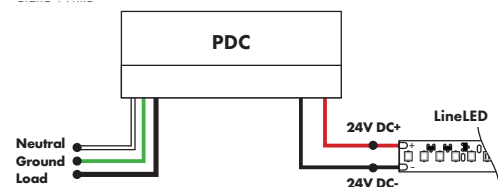
Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"



**Triac, MLV, ELV Compatible Dimmers**

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

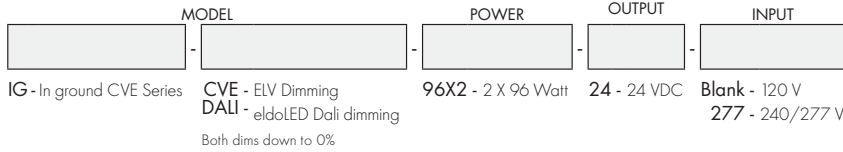
MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"



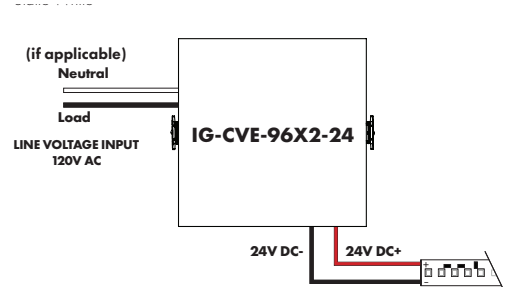
### Power Supplies

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

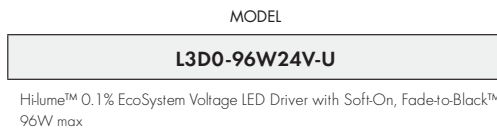


MODEL	Dual Circuit
Length	8.40"
Width	8.30"
Depth	8.10"

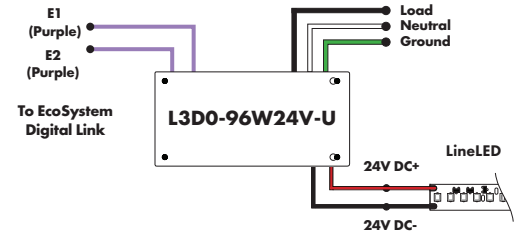


Luminii is a Lutron OEM Advantage Partner

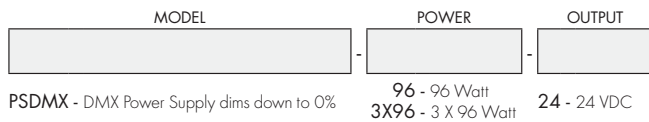
#### Lutron Power Supplies 0.1%



MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"



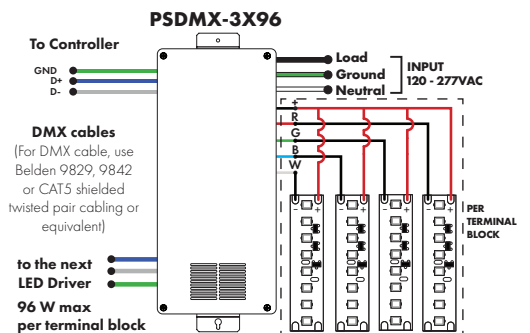
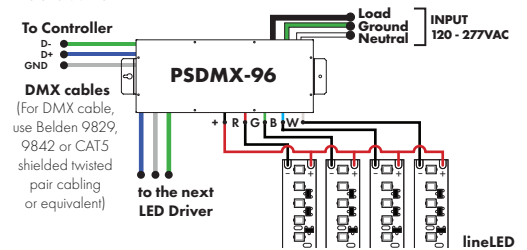
#### DMX Dimming Power Supplies 120VAC - 277VAC



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-WiR**

RGBW-WiR - WiFi generator

RGBW-WiR 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