

LL36X2

LL54X2

Line LED LL series double row is a small profile high performance LED strip. The durable, but flexible products feature a heavier copper board core for better heat dissipation and even illumination over long runs.

Available in double row configurations ranging from 72 to 108 LEDs per foot with multiple power feed and connector options. Line LED LL series double row feature outstanding color consistency with single binning and CRI up to 98.

**Mounting**

LED strip is equipped with 3M self-adhesive tape.

**Applications**

Indoor only - above and below cabinets, cove lighting, counter accent, architectural reveals, under banister, display and book cases, etc.

**Approvals**

Class 2 damp listed

**Operating voltage**  
24 VDC

**Average life**  
50,000 hours

**Warranty**  
5 years



dimmable

SINGLE BIN  
+/- 30 CCT



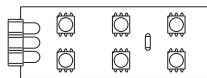
Technical information

MODEL	LL36X2	LL54X2
LEDS/ft	72	108
Light output 3000K	493 lum/ft	841 lum/ft
Average power consumption (for 15' section)	6.0 W/ft	10.0 W/ft
Ordering increment	1.00"	1.3"
Maximum run length (in series)	16 ft	10 ft
Dimensions	0.59" W 0.07" H	0.63" W 0.09" H

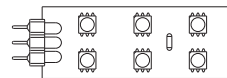
CCT INFO/LUMEN MULTIPLIER	TM-30-15			
	Color temperature	Multiplier (referenced from 3000K)	CRI	R <sub>f</sub>
2200K	0.87	82	81	99
2400K	0.73	98	95	101
2700K	0.81	98	95	102
2900K	0.86	97	95	102
3000K	1.00	91	90	101
3500K	1.05	95	90	97
4100K	1.28	93	88	96

**SECTION START/END OPTIONS**

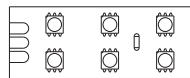
Female connector



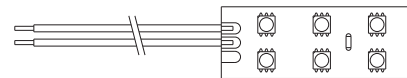
Male connector



No connector



Soldered leads (72")



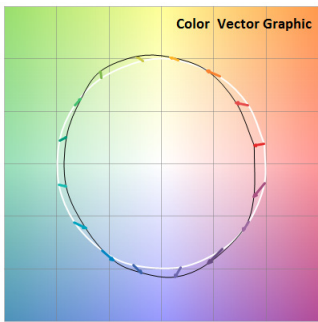
Ordering code

MODEL	COLOR TEMPERATURE	SECTION START	SECTION END	LENGTH
LL36X2	22K	F	M	
LL36X2	22K - 2200K	F - Female connector	F - Female connector	view table above for increment options and maximum run limits
LL54X2	24K - 2400K	M - Male connector	M - Male connector	
	27K - 2700K	*SL - Soldered lead wires (72")	*SL - Soldered lead wires (72")	
	29K - 2900K	NC - No connector	*NC - No connector	
	30K - 3000K			
	35K - 3500K			
	41K - 4100K			

\*LL54X2 only available in this option

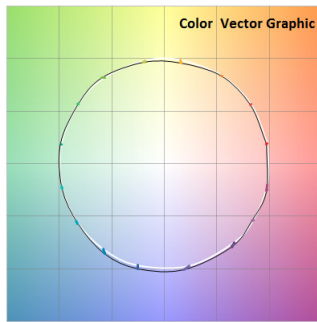
TM-30-15: Data

22K CCT



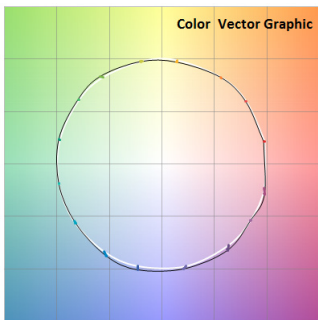
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	0%
2	79	-8%	8%
3	70	-2%	14%
4	85	2%	8%
5	90	5%	5%
6	90	6%	-3%
7	84	-2%	-8%
8	89	-6%	-4%
9	85	-6%	3%
10	78	-6%	11%
11	77	2%	14%
12	79	6%	9%
13	88	8%	-7%
14	67	4%	-20%
15	84	0%	-10%
16	75	-7%	-14%

24K CCT



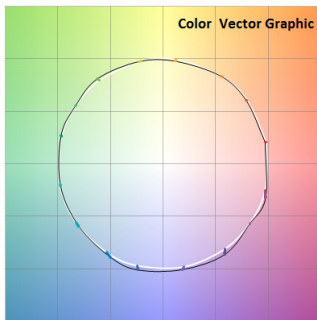
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	97	-1%	0%
3	97	0%	1%
4	95	-3%	-1%
5	96	-1%	2%
6	96	1%	3%
7	97	0%	1%
8	98	1%	0%
9	97	0%	2%
10	95	0%	3%
11	93	3%	4%
12	93	3%	1%
13	93	3%	-6%
14	92	2%	-4%
15	95	-1%	-1%
16	91	0%	-6%

27K CCT



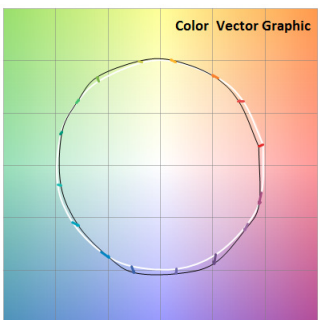
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	98	0%	0%
3	96	0%	1%
4	96	-2%	0%
5	96	0%	2%
6	95	2%	2%
7	96	1%	0%
8	98	1%	-1%
9	98	0%	1%
10	95	0%	3%
11	92	2%	5%
12	93	3%	1%
13	95	2%	-3%
14	93	3%	-3%
15	96	0%	-1%
16	91	1%	-6%

29K CCT



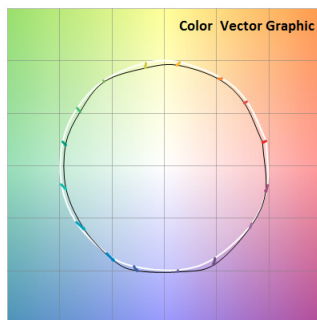
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	0%
2	79	-8%	8%
3	70	-2%	14%
4	85	2%	8%
5	90	5%	5%
6	90	6%	-3%
7	84	-2%	-8%
8	89	-6%	-4%
9	85	-6%	3%
10	78	-6%	11%
11	77	2%	14%
12	79	6%	9%
13	88	8%	-7%
14	67	4%	-20%
15	84	0%	-10%
16	75	-7%	-14%

30K CCT



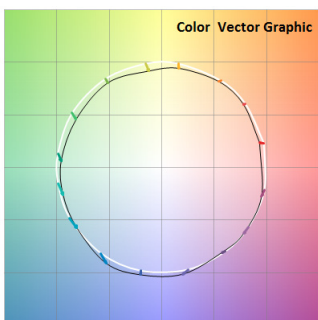
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	90	-4%	-1%
2	91	-4%	3%
3	86	-1%	7%
4	91	1%	5%
5	92	2%	3%
6	93	4%	-1%
7	92	0%	-4%
8	95	-1%	-2%
9	94	-3%	1%
10	87	-3%	6%
11	84	0%	10%
12	88	6%	4%
13	92	4%	-1%
14	88	6%	-6%
15	89	1%	-7%
16	85	0%	-11%

35K CCT



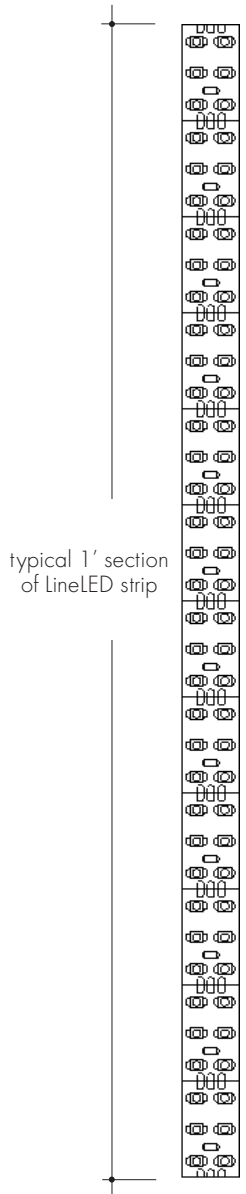
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	0%
2	93	-3%	0%
3	92	-2%	2%
4	92	-3%	1%
5	91	-5%	1%
6	96	-1%	1%
7	92	-4%	1%
8	93	-3%	2%
9	90	-4%	5%
10	83	-3%	10%
11	83	2%	10%
12	89	3%	4%
13	95	2%	-1%
14	90	5%	-4%
15	90	1%	-5%
16	88	0%	-6%

41K CCT



Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	88	-4%	1%
2	93	-2%	1%
3	93	-2%	1%
4	89	-4%	-2%
5	88	-7%	-1%
6	93	-4%	0%
7	88	-7%	3%
8	87	-4%	6%
9	82	-3%	12%
10	79	0%	12%
11	83	5%	9%
12	91	4%	0%
13	89	3%	-6%
14	92	-1%	-3%
15	84	0%	-7%
16	84	-1%	-6%

Power consumption per linear foot - loads tested with PSD series of power supplies (page4)

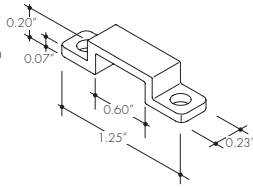


Length of strip (LF)	LL36X2		LL54X2	
	W/ft	Total wattage	W/ft	Total wattage
<b>1</b>	6.80	6.80	10.80	10.80
<b>2</b>	6.75	13.50	10.60	19.80
<b>3</b>	6.65	19.95	10.30	30.90
<b>4</b>	6.55	26.20	10.28	41.10
<b>5</b>	6.40	32.00	10.25	51.60
<b>6</b>	6.30	37.80	10.30	63.20
<b>7</b>	6.20	43.40	10.10	72.10
<b>8</b>	6.10	48.80	9.90	79.40
<b>9</b>	6.00	54.00	9.80	88.10
<b>10</b>	5.95	59.50	9.70	96.00
<b>11</b>	5.85	64.35		
<b>12</b>	5.80	69.60		
<b>13</b>	5.75	74.75		
<b>14</b>	5.75	80.50		
<b>15</b>	5.70	85.50		
<b>16</b>	5.70	91.20		

Accessories

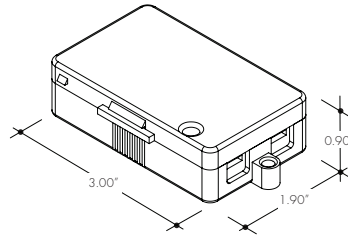
Mounting clip:  
recommended at every 12" when  
LineLED strip is facing down.

Part # CL-2



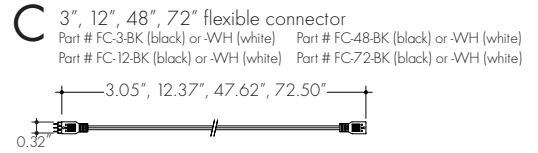
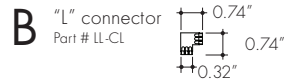
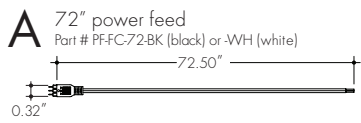
Splice Box:  
low voltage, 4 terminal  
splice box, black.

Part # LVSP-4T-BK

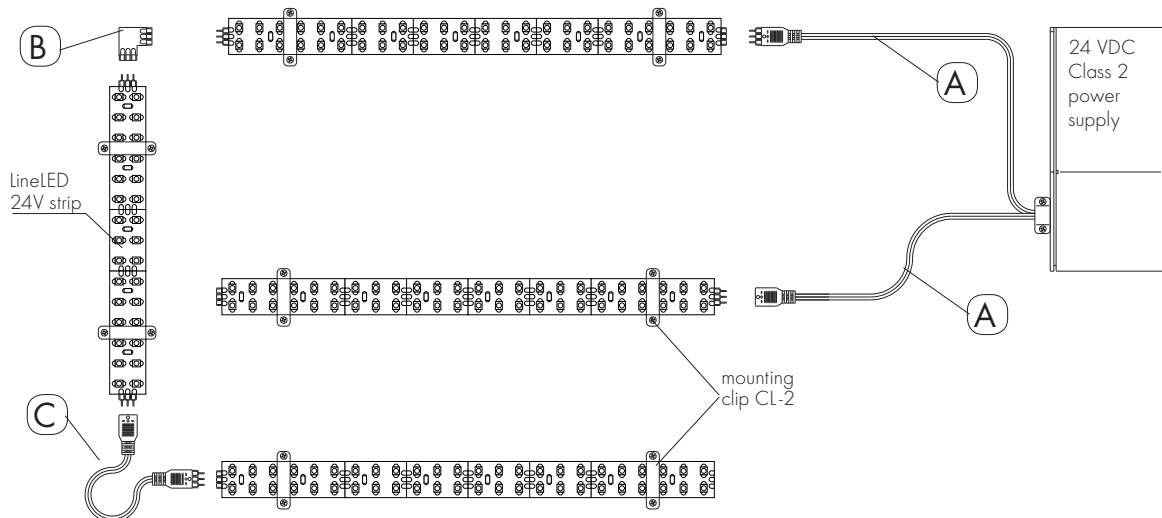


Connectors

3-pin connectors (will not work with LL54X2)



Sample layout with connectors



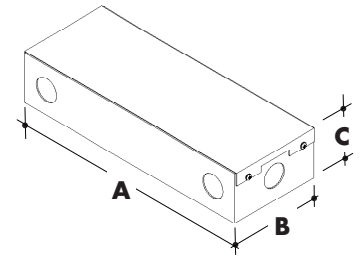
### Power supply

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

#### Non-Dimming:

MODEL	POWER	OUTPUT	DIMMING	LOCATION
<b>PSV</b>	<b>40</b>	<b>24V</b>	<b>U2ND</b>	<b>D</b>
PSV - PSV Series	40 - 40 W 60 - 60 W 96 - 96 W	24 - 24 VDC	U2ND - Non Dimming	D - Dry Location IP65 - Wet Location

MODELS	PSV Dry	PSV Wet
<b>A Length</b>	9.2"	9.5"
<b>B Width</b>	3.4"	4.12"
<b>C Depth</b>	1.9"	2.3"

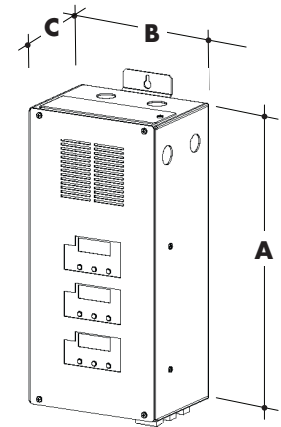


#### Dimming 0-10V:

MODEL	POWER	OUTPUT	DIMMING
<b>PSO10V</b>	<b>3X100</b>	<b>24</b>	<b>LIN</b>
PSO10V - 0-10V Power Supply dims down to 0%	3X100 - 3 X 100 WATT	24 - 24 VDC	LIN - Linear LOG - Logarithmic

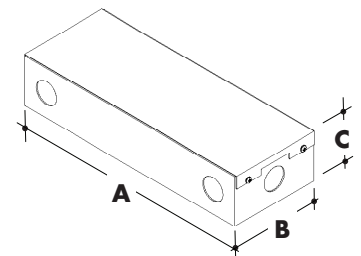
- features eldoLED's LINEARdrive configurable 0-10V drivers

MODELS	PSD010V
<b>A Length</b>	15.75"
<b>B Width</b>	6.60"
<b>C Depth</b>	4.80"



MODEL	POWER	OUTPUT	DIMMING	LOCATION
<b>PSV</b>	<b>40</b>	<b>24V</b>	<b>U2DIM</b>	<b>D</b>
PSV - PSV Series dims down to 5%	40 - 40 W 60 - 60 W 96 - 96 W	24 - 24 VDC	U2DIM - Dimming 0-10V	D - Dry Location IP65 - Wet Location

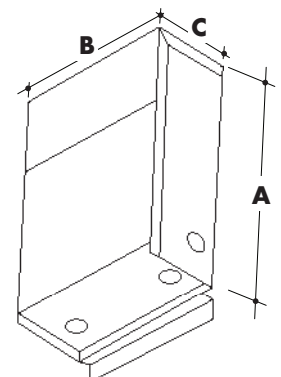
MODELS	PSV Dry	PSV Wet
<b>A Length</b>	9.2"	9.5"
<b>B Width</b>	3.4"	4.12"
<b>C Depth</b>	1.9"	2.3"



#### Dimming Magnetic low voltage:

MODEL	POWER	OUTPUT	INPUT
<b>PSD</b>	<b>48</b>	<b>24</b>	
PSD - PSD Series dims down to 0%	48 - 48 W 96 - 96 W 288 - 288 W (3x 96W)	24 - 24 VDC	Blank - 120 V 240 - 240 V 277 - 277 V

MODELS	PSD 48	PSD 96	PSD 288
<b>A Length</b>	11.25"	11.25"	13.06"
<b>B Width</b>	3.42"	3.42"	8.42"
<b>C Depth</b>	3.42"	3.27"	4.47"

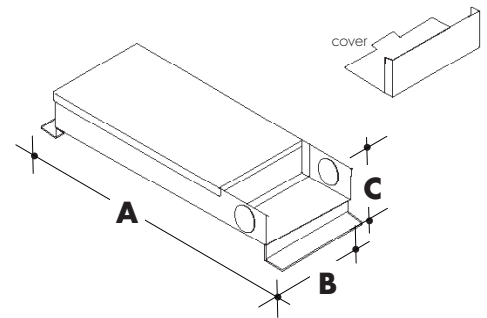


Power supply

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

Dimming Electronic low voltage:

MODEL	CIRCUIT x POWER	OUTPUT	INPUT
<b>CVE</b>	<b>48D</b>	<b>24</b>	
CVE - CVE Series dims down to 0.1%	48D - 48W 48X2D - 2 x 48W 48X3D - 3 x 48W 48X4D - 4 x 48W 96D - 96W 96X2D - 2 x 96W 96X3D - 3 x 96W 96X4D - 4 x 96W	24 - 24 VDC	Blank - 120 V 277 - 277 V



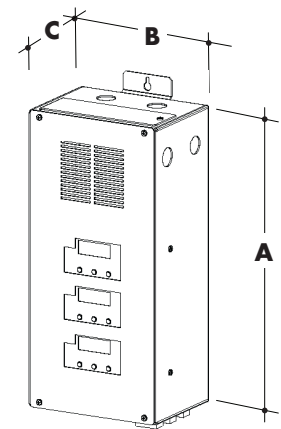
MODELS	Single circuit	Dual circuit	Three circuit	Four circuit
<b>A Length</b>	11.6"	11.5"	11.5"	11.5"
<b>B Width</b>	2.3"	4.0"	5.9"	7.75"
<b>C Depth</b>	1.3"	1.9"	1.9"	1.9"

DMX & DALI:

MODEL	POWER	OUTPUT
<b>PSDMX</b>	<b>3X100</b>	<b>24</b>
PSDMX - DMX Power Supply PSDALI - DALI Power Supply dims down to 0%	3X100 - 3 X 100 WATT	24 - 24 VDC

- Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	PSDMX	PSDALI
<b>A Length</b>	15.75"	15.75"
<b>B Width</b>	6.60"	6.60"
<b>C Depth</b>	4.80"	4.80"



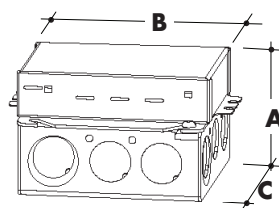
Luminii is a Lutron OEM Advantage Partner

MODEL
<b>LTEA4U1UKL-CV240</b>
Lutron -Hi-lume™ 1% 2-wire LED driver (120V forward phase only)

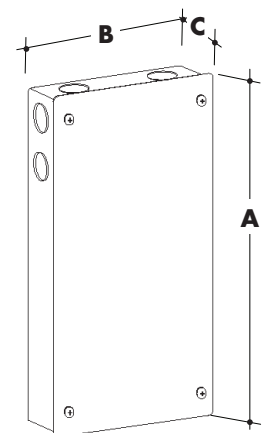
MODEL
<b>L3DA4U1UKL-CV240</b>
Hi-lume™ 1% EcoSystem Voltage LED Driver

MODEL
<b>L3D0-96W24V-U</b>
Hi-lume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™

MODELS	LTEA	L3DA
<b>A Length</b>	4.89"	4.89"
<b>B Width</b>	2.66"	2.66"
<b>C Depth</b>	4.00"	4.00"

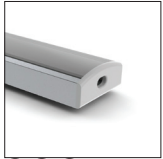


MODELS	L3D0
<b>A Length</b>	10.50"
<b>B Width</b>	5.50"
<b>C Depth</b>	2.00"

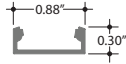


Optional mounting channels - Double row LEDs

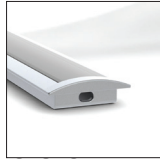
SLW8 Channel



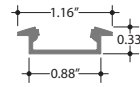
CL F HF



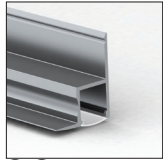
RSLW8 Channel



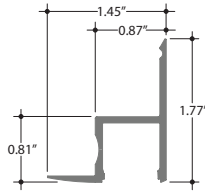
CL F HF



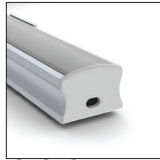
ALE Channel



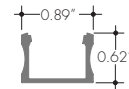
CL F



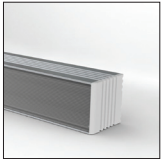
SLW15 Channel



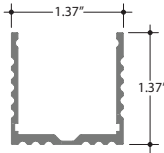
CL F HF



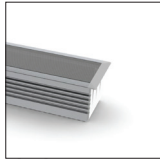
PLA Channel



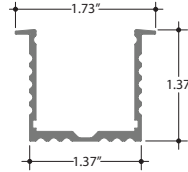
CL F



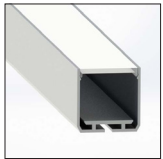
RPLA Channel



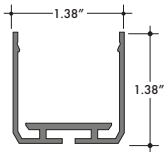
CL F



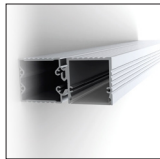
PLAS Channel



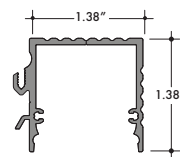
CL F PR



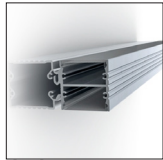
PLS Channel



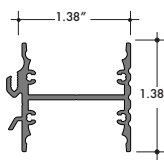
CL F



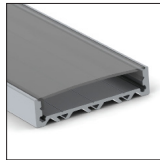
PLD Channel



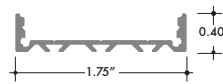
CL F



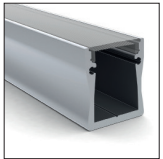
SLW36 Channel



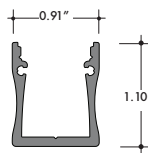
CL F HF



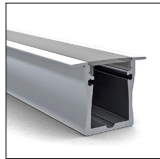
SLW20 Channel



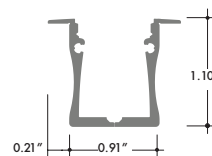
CL F



RSLW20 Channel



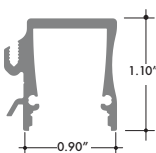
CL F



SLW20W Channel



CL F



**Lens options**

- CL Clear
- F Frosted
- HF Half (50%) frosted
- PR Prismatic

**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).