

The LineLED Monochromatic is a small profile and energy efficient colored light strip. It is easily installed directly on to the mounting surface with double sided tape or within discrete mounting extrusions. The durable but flexible circuit board and multiple connector options enable the extension of the light strip and perfect fit for every application.

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

Operating voltage
24 VDC

Average life
50,000 hours

Mounting
LED strip is equipped with 3M self-adhesive tape. The strip must be adhered to either a Luminii aluminum profile or an unpainted aluminum surface. For other surfaces the HST Aluminum heat sink tape will be required to reach the rated 50,000 hours average life

Approvals
Class II damp listed

Warranty
5 years

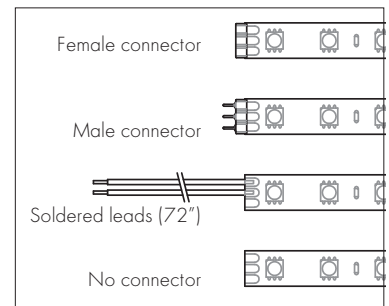


COLOR	Wave-length	Light output LLX18
AMBER	610-620 nm	41.00 lum/ft
RED	626-630 nm	37.25 lum/ft
GREEN	520-525 nm	
BLUE	465-470 nm	72.90 lum/ft
UV	390-400 nm	

Technical information

MODEL	LL18	LL30	LL36	LLX18
LEDS/ft	18	30	36	18
Average power consumption (for 15" section)	1.5 W/ft	2.5 W/ft	3.0 W/ft	4.3 W/ft
Cutting increment	4.00"	2.50"	2.00"	4.00"
Maximum run length (in series)	100 ft	48 ft	39 ft	25 ft
Dimensions	0.39" W 0.09" H	0.39" W 0.09" H	0.39" W 0.09" H	0.39" W 0.09" H

SECTION START/END OPTIONS

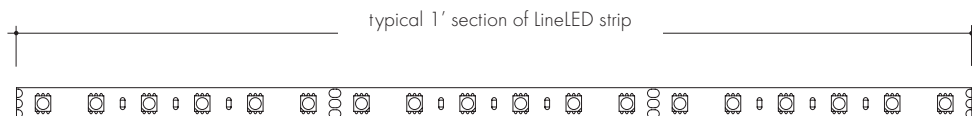


Ordering code

MODEL	COLOR	SECTION START	SECTION END	LENGTH
LL18	A	F	M	
LL18	A - Amber	F - Female connector	F - Female connector	view table above for increment options and maximum run limits
LL30	B - Blue	M - Male connector	M - Male connector	
LL36	G - Green	SL - Soldered wire leads (72")	SL - Soldered wire leads (72")	
LLX18	R - Red	NC - No connector	NC - No connector	

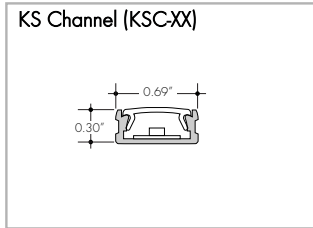
Power consumption per linear foot - loads tested with PSD series of power supplies (page3)

Length of strip (LF)	LL18		LL30		LL36		LLX18	
	W/ft	Total wattage	W/ft	Total wattage	W/ft	Total wattage	W/ft	Total wattage
1	1.65	1.65	2.70	2.70	3.25	3.25	5.00	5.00
2	1.65	3.30	2.70	5.40	3.25	6.50	4.95	9.90
3	1.65	4.95	2.70	8.10	3.25	9.75	4.90	14.70
4	1.63	6.58	2.65	10.60	3.20	12.80	4.85	19.40
5	1.63	8.21	2.65	13.25	3.20	16.00	4.80	24.00
6	1.62	9.83	2.65	15.90	3.15	18.90	4.75	28.50
7	1.62	11.45	2.60	18.20	3.15	22.05	4.70	32.90
8	1.62	13.07	2.60	20.80	3.10	24.80	4.65	37.20
9	1.60	14.67	2.60	23.40	3.10	27.90	4.60	41.40
10	1.60	16.50	2.55	25.50	3.05	30.50	4.55	45.50
11	1.57	18.07	2.55	28.05	3.05	33.50	4.50	49.50
12	1.57	19.64	2.55	30.60	3.00	36.00	4.45	53.40
13	1.57	21.21	2.50	32.50	3.00	39.00	4.40	57.20
14	1.55	22.76	2.50	35.00	3.00	42.00	4.35	60.90
15	1.55	24.31	2.50	37.50	3.00	45.00	4.30	64.50
16	1.55	25.86	2.45	39.20	2.95	47.20	4.25	68.00
17	1.52	27.38	2.45	41.65	2.95	50.15	4.20	71.40
18	1.52	28.90	2.45	44.10	2.90	52.50	4.15	74.70
19	1.52	30.42	2.40	45.60	2.90	55.10	4.10	77.90
20	1.50	31.20	2.40	48.00	2.85	57.00	4.05	81.00
21	1.50	32.70	2.40	50.40	2.85	59.85	4.00	84.00
22	1.50	34.20	2.35	51.70	2.80	61.60	3.95	86.90
23	1.48	35.68	2.35	54.05	2.80	64.60	3.90	89.70
24	1.47	37.15	2.35	56.40	2.75	66.00	3.85	92.40
25	1.47	38.62	2.30	57.50	2.75	68.75	3.80	95.00
26	1.45	40.07	2.30	59.80	2.70	70.20		
27	1.45	41.52	2.30	62.10	2.70	72.90		
28	1.43	42.20	2.25	63.00	2.65	74.20		
29	1.42	43.00	2.25	65.25	2.65	76.85		
30	1.40	43.70	2.25	67.50	2.60	78.00		
31	1.40	45.10	2.20	68.20	2.60	80.60		
32	1.38	46.50	2.20	70.40	2.55	81.60		
33	1.37	47.70	2.20	72.60	2.55	84.15		
34	1.37	49.00	2.15	73.10	2.50	85.00		
35	1.36	50.45	2.15	75.25	2.50	87.50		
36	1.36	51.70	2.15	77.40	2.45	88.20		
37	1.36	52.50	2.10	77.70	2.45	90.65		
38	1.36	53.00	2.10	79.80	2.40	91.20		
39	1.35	53.90	2.10	81.90	2.40	93.60		
40	1.35	54.40	2.05	82.00				
41	1.35	55.75	2.05	84.05				
42	1.34	57.09	2.05	86.10				
43	1.34	58.43	2.02	86.90				
44	1.33	59.76	2.00	88.00				
45	1.33	61.07	2.00	90.00				
46	1.32	61.97	1.96	90.20				
47	1.32	62.70	1.95	91.65				
48	1.31	63.50	1.95	93.60				
49	1.31	64.05						
50	1.30	64.80						
51-60	1.30 - 1.25	65.20 - 70.80						
61-70	1.25 - 1.20	71.00 - 76.20						
71-80	1.20 - 1.10	77.00 - 81.60						
81-90	1.10 - 1.00	82.00 - 86.20						
91-100	1.00 - 0.95	87.00 - 91.40						

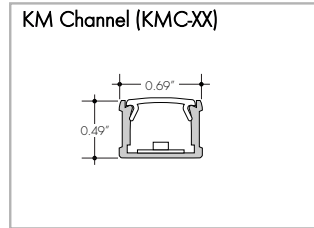


Lens options / light transmission percentage per lens

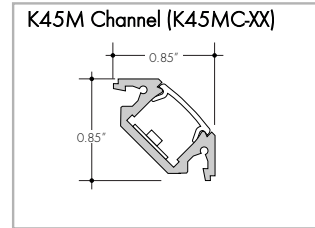
- C** Clear
- HF** Half (50%) Frosted
- G** Graze
- SI** Satin Ice
- S** Square Frosted
- Q** Rounded Square Frosted
- F** Frosted
- M** Medium beam frosted
- R** Raised
- C36** Clear 36° beam angle
- C10** Clear 10° beam angle



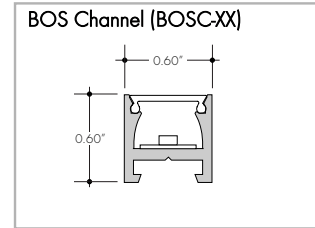
- C** 85%
- F** 55%
- HF** 72%
- C36** 83%
- R** 51%



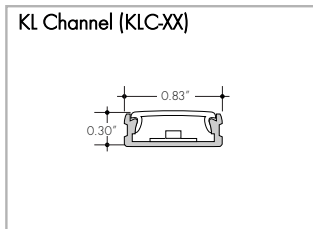
- C** 71%
- F** 42%
- HF** 58%
- C10** 67%
- R** 39%



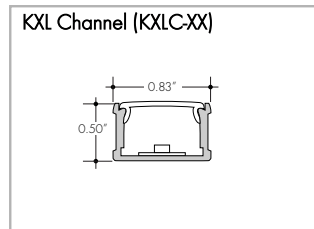
- C** 71%
- F** 42%
- HF** 58%
- C10** 67%



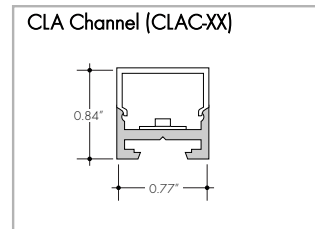
- F** 43%
- SI** 56%
- R** 46%
- G** 67%



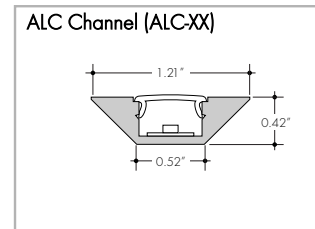
- C** 83%
- F** 55%
- HF** 68%



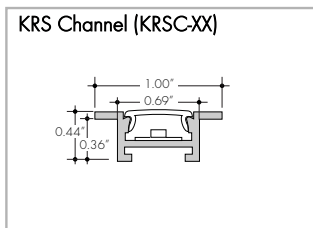
- C** 74%
- F** 46%
- HF** 61%



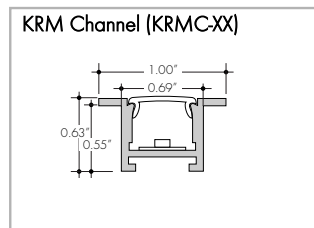
- S** 62%
- Q** 63%



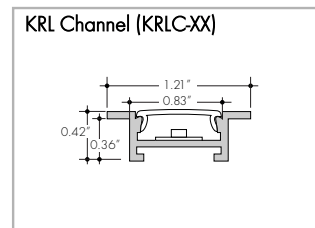
- C** 79%
- F** 58%
- HF** 69%



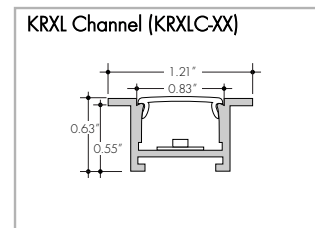
- C** 85%
- F** 55%
- HF** 72%



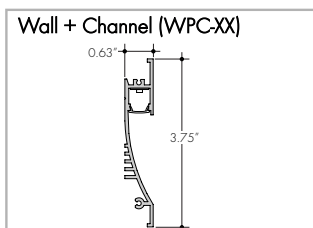
- C** 71%
- F** 42%
- HF** 58%



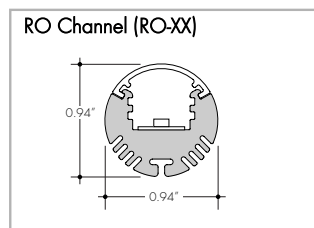
- C** 83%
- F** 55%
- HF** 68%



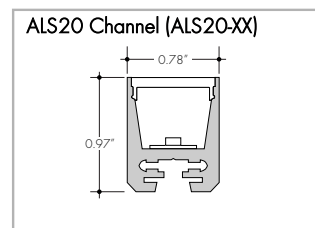
- C** 74%
- F** 46%
- HF** 61%



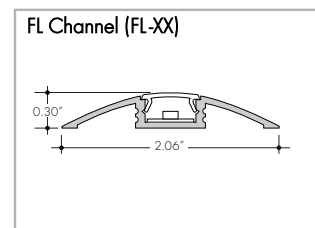
- C** 47%
- F** 44%



- C** 75%
- F** 52%



- C** 78%
- F** 43%



- C** 85%
- F** 63%
- HF** 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.pdf>

LED Dotting per extrusion

using the frosted lens option

extrusion	LED Models			
	LL18	LL30	LL36	LLX18
KSC, KRSC, FL, ALC	CD	CD	CD	CD
KMC, KRMC, K45MC	SD	SD	ND	SD
KXLC, KRXLC	CD	SD	ND	CD
KLC, KRLC	CD	CD	CD	CD
WPC	CD	SD	ND	CD
RO, ALS20	SD	ND	ND	SD
BOSC	CD	SD	SD	CD
CLAC	SD	ND	ND	SD

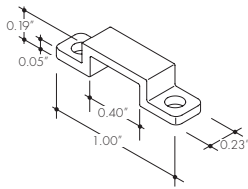


Clear Dotting (CD) Slight Dotting (SD) NO Dotting (ND)

Accessories

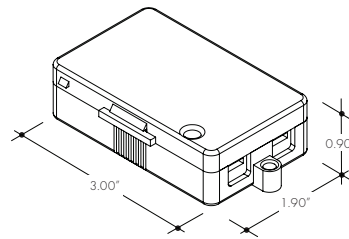
Mounting clip:
recommended at every 12" when
LineLED strip is facing down.

Part # CL-1



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

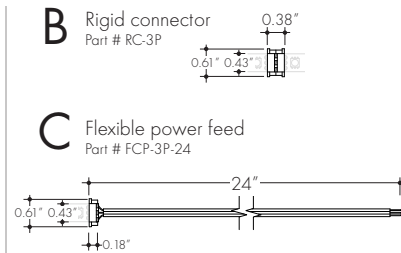
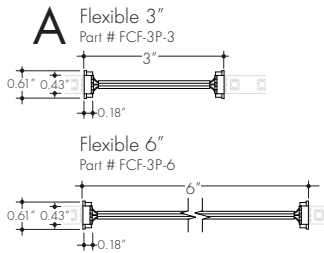
Part # LVSP-4T-BK



Connectors

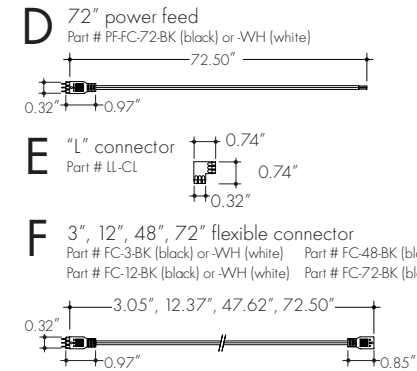
Field-cut connectors

(Reference dimensions below to determine if connector will fit inside of your extrusion. If so surface with contact of connector & extrusion must be insulated to prevent an electrical short)

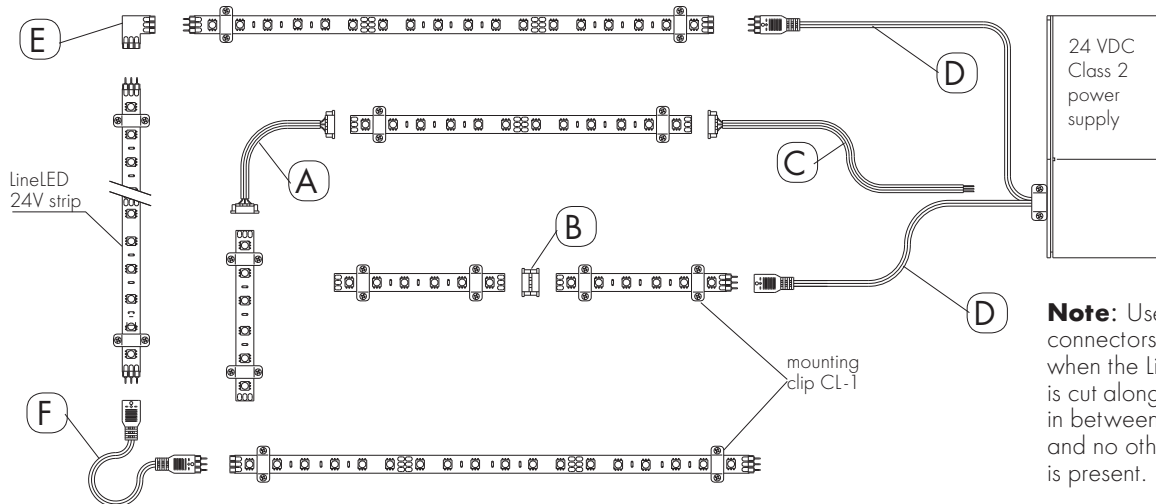


3-pin connectors

(Reference dimensions below to determine if connector will fit inside of your extrusion. Connectors will not fit inside of the KSC, KRSC, BOSCO, & ALC Channel)



Sample layout with connectors



Note: Use field-cut connectors (A,B,C) when the LineLED strip is cut along cutting lines in between solder pads and no other connector is present.

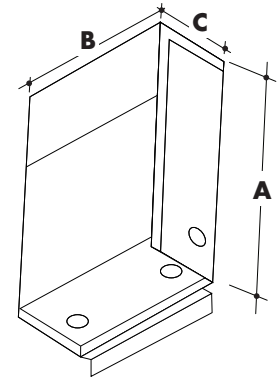
Power supply

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

Magnetic Low Voltage Dimming Power Supplies:

MODEL	POWER	OUTPUT	INPUT
PSD	48	24	
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

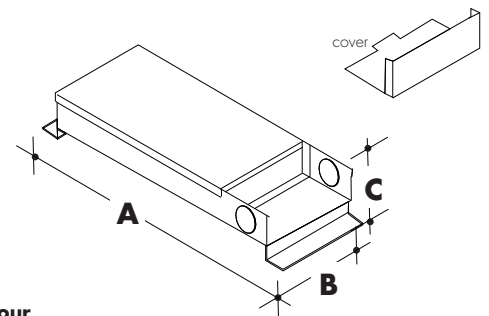
MODELS	PSD 48	PSD 96	PSD 288
A Length	11.25"	11.25"	13.06"
B Width	3.42"	3.42"	8.42"
C Depth	3.42"	3.27"	4.47"



Electronic Low Voltage Dimming Power Supplies:

MODEL	CIRCUIT x POWER	OUTPUT	INPUT
CVE	48D	24	
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 - 240/277 V

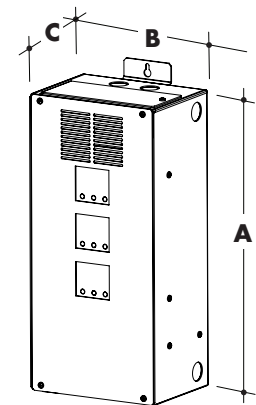
MODELS	Single circuit	Dual circuit	Three circuit	Four circuit
A Length	13.9"	13.8"	13.8"	13.8"
B Width	2.3"	4.0"	5.9"	7.75"
C Depth	1.3"	1.9"	1.9"	1.9"



0-10V Dimming Power Supplies:

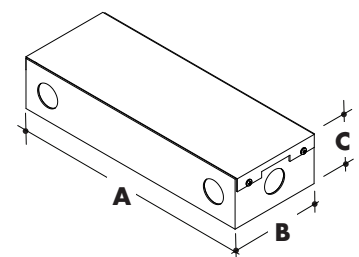
MODEL	POWER	OUTPUT	DIMMING
PSO10V	3X96	24	LIN
PSO10V - 0-10V Power Supply dims down to 0%	96 - 96 WATT 3X96 - 3 X 96 WATT	24 - 24 VDC	LIN - Linear LOG - Logarithmic

MODELS	96 W	3X96
A Length	14.40"	15.75"
B Width	5.20"	6.60"
C Depth	2.60"	4.80"



MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV	40	24	U2DIM	D
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
A Length	9.2"	9.5"
B Width	3.4"	4.12"
C Depth	1.9"	2.3"



Power supply

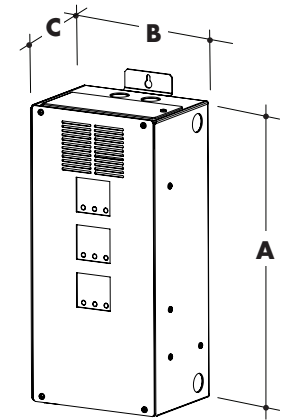
See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

DMX Dimming Power Supplies:

MODEL	POWER	OUTPUT
PSDMX	96	24
PSDMX - DMX Power Supply	96 - 96 WATT 3X96 - 3 X 96 WATT	24 - 24 VDC

- Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	3X96 W
A Length	15.75"
B Width	6.60"
C Depth	4.80"

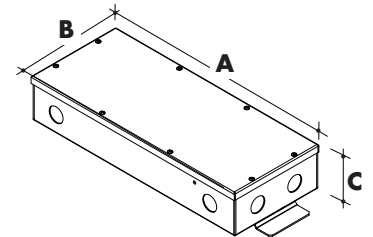


DALI Dimming Power Supplies:

MODEL	POWER	OUTPUT
PSDALI	96	24
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

MODELS	96 W
A Length	14.40"
B Width	5.20"
C Depth	2.60"



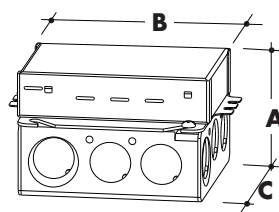
LUTRON®

Luminii is a Lutron OEM Advantage Partner

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

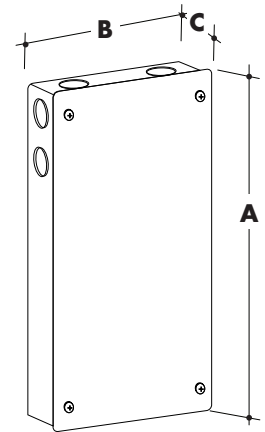
MODELS	LTEA	L3DA
A Length	4.89"	4.89"
B Width	2.66"	2.66"
C Depth	4.00"	4.00"

MODEL		
L3DA4U1UKL-CV240		
Hi-lume™ 1% EcoSystem Voltage LED Driver		



MODEL		
L3DO-96W24V-U		
Hi-lume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™		

MODELS	L3DO
A Length	10.50"
B Width	5.50"
C Depth	2.00"



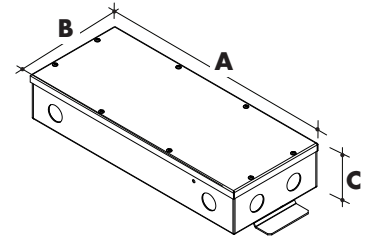
Power supply

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

Enlighted Enabled Dimming Power Supplies:

MODEL	POWER	OUTPUT	DIMMING	Location
PSV	96	24	ENL	D
PSV - LED Power Supply	96 - 96 WATT	24 - 24 VDC	ENL - Enlighted Dimming	D - Damp

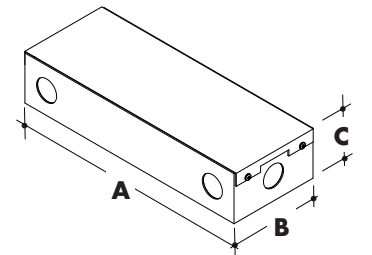
MODELS	96 W
A Length	14.40"
B Width	5.20"
C Depth	2.60"



Non-Dimming Power Supplies:

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV	40	24	U2ND	D
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
A Length	9.2"	9.5"
B Width	3.4"	4.12"
C Depth	1.9"	2.3"



In ground, Electronic Low Voltage Dimming Power Supplies:

MODEL	CIRCUIT x POWER	OUTPUT	INPUT
IG-CVE	96X2	24	
IG-CVE - In ground CVE Series dims down to 0.1%	96X2 - 2 x 96W	24 - 24 VDC	Blank - 120 V 277 - 240/277 V

MODELS	Dual circuit
A Length	8.0"
B Width	8.0"
C Depth	8.0"

