

**Features**

Kurba Large 3d Bending is a dot free direct view, highly versatile, energy efficient and flexible LED strip suitable for outdoor wet locations capable of horizontal/side bends and vertical/top bends with a 6" bending radius. The silicone material offers excellent heat, weather, UV, and solvent resistance and has a special coating to repel dust and dirt accumulation.

**Applications**

Indoor/Outdoor dry & wet location

**Materials**

Silicone for red list approved, as well as heat, weather, UV, and solvent resistance

**Dimming**

Dimable down to 1%. Dot Free even illumination. Also available with Black Lens

**Average Life (L70)**

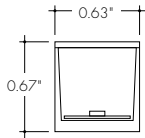
50,000 hours

**Approvals**

24VDC Class 2 wet listed, IP68

**Warranty**

3 years



**Finish Options** (see page 2 for additional information)

Base  White



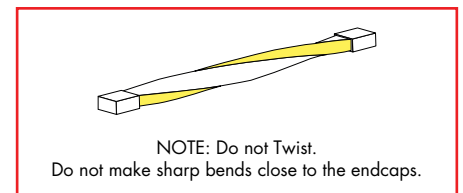
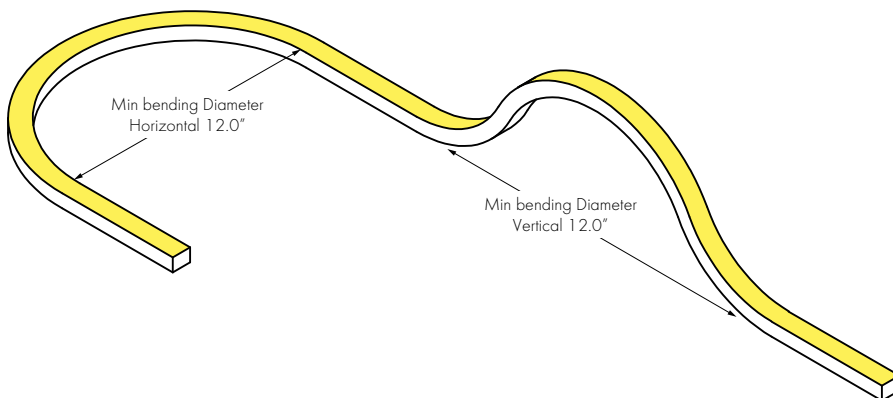
**Technical Information**

Bending Direction	3D
Output	3850
Light Output at 3000K	207 lm/ft
Average Power Consumption at 4'	3.66 W/ft
Efficacy	57 lm/W
Ordering Increment	2.19"
Maximum Run Length (In Series)	26'
Operating Temperature Range	-40°F to 131°F

CCT INFO / LUMEN MULTIPLIER	
Color Temperature	Multiplier (ref. ~3000K)
2200K	1.00
2400K	1.00
2700K	1.00
3000K	1.00
3500K	1.00
4000K	1.00

Note: 80 CRI

**Constraints**



**Ordering Code**

MODEL	RATING	BEND DIRECTION	LENGTH	OUTPUT <sup>1</sup>	CCT	LENS	MOUNTING	FINISH	FEED POSITION LEFT	FEED POSITION RIGHT
KBL-Kurba Large	W-Wet	3D-3D Bending	SEE PCC CHART ON PAGES 5	3850-Standard	22K-2200K 27K-2700K 30K-3000K 35K-3500K 40K-4000K 57K-5700K	SF-Silicone Frosted	NA-No Mounting Option	WH-White	INJECTION MOLD IME-End Feed 1 IMB-Back Feed 1 IMSA-Side 1 Feed IMSB-Side 2 Feed NPF-No Power Feed <sup>2</sup>	INJECTION MOLD IME-End Feed 1 IMB-Back Feed 1 IMSA-Side 1 Feed IMSB-Side 2 Feed NPF-No Power Feed <sup>2</sup>

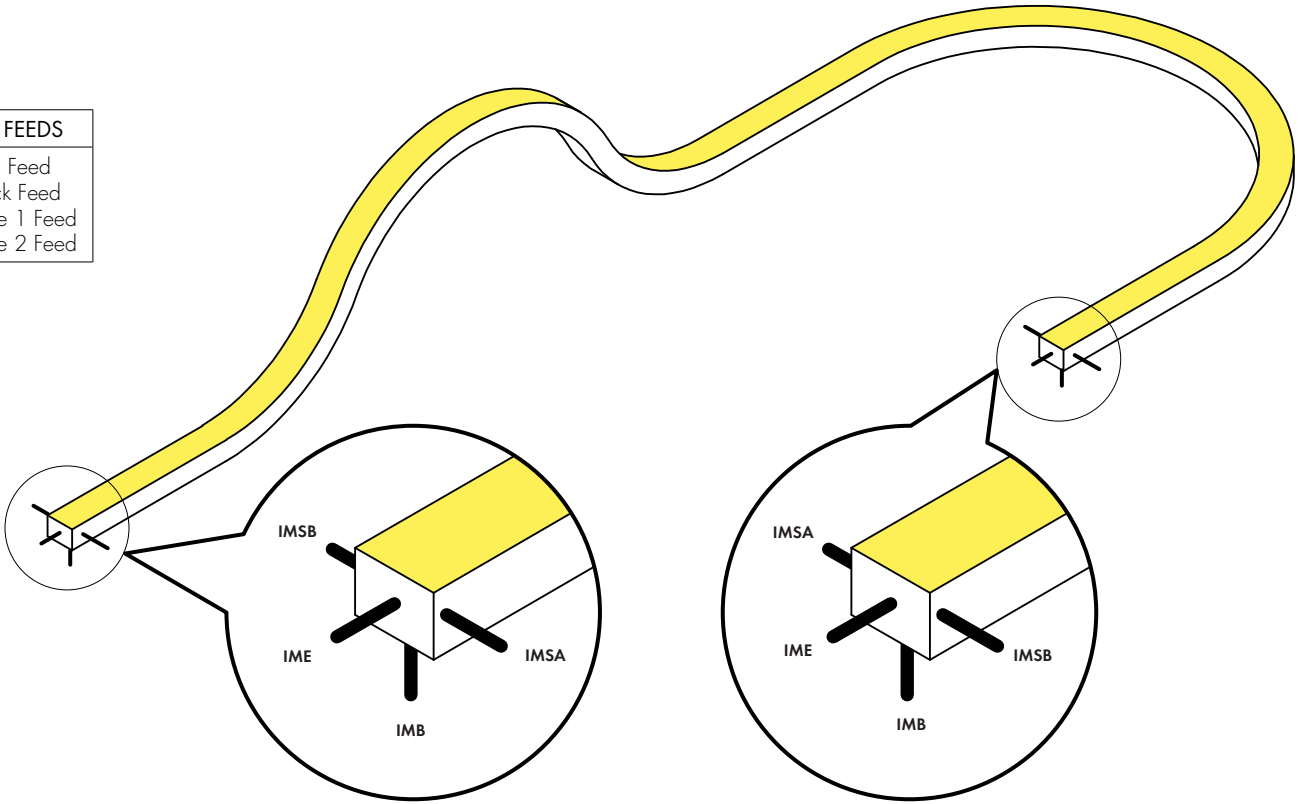
Feeds come with 90° wire leads

1 - Title 24 JA8 compliant depending on Output, CCT, and lens selections. See Technical Information and Lens Transmission charts to calculate specific efficacies.  
2 - NPF-NPF for Feed Position 1&2 is not a valid configuration option

**Powerfeeds and Connectors**

**Power Feed Position Options and Orientation**

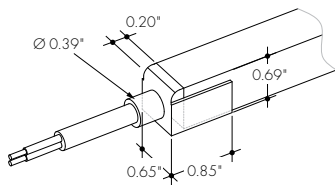
POWER FEEDS
IME - End Feed
IMB - Back Feed
IMSA - Side 1 Feed
IMSB - Side 2 Feed



**Linking and Extension Cable Options**

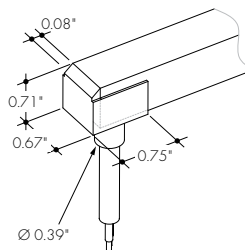
**END CONNECTOR**

Injection-molded End Connector  
-IME



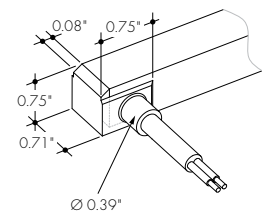
**BACK CONNECTOR**

Injection-molded Back Connector  
-IMB



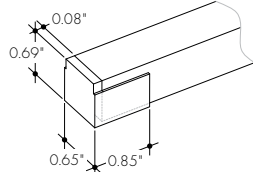
**SIDE CONNECTOR**

Injection-molded Side Connector  
-IMSA and -IMSB



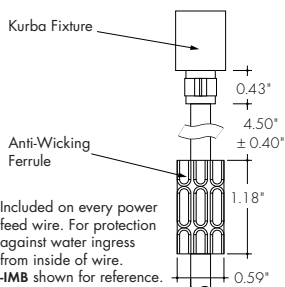
**ENDCAP (NO CONNECTOR)**

Injection-molded Cap (No Connector)  
-NPF

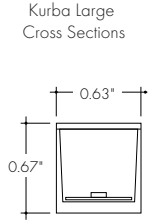


**ANTI-WICKING FERRULE**

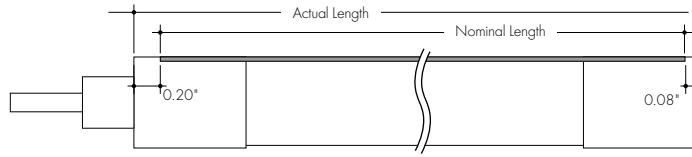
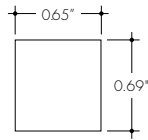
Included on every power feed wire



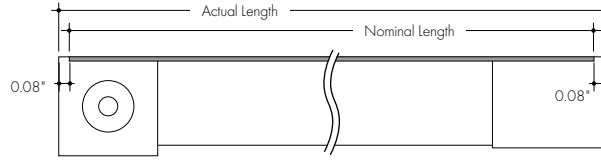
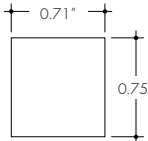
**Product Dimensions**



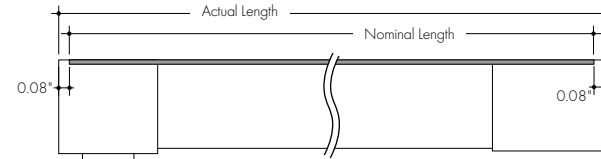
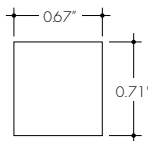
**Example Feed Position**  
**IME - NPF**  
 End Feed 1 to  
 No Power Feed



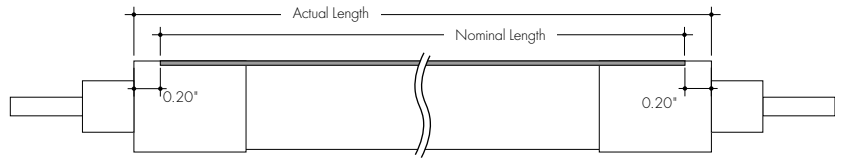
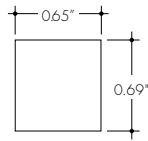
**Example Feed Position**  
**IMSA - NPF**  
 Side 1 Feed to  
 No Power Feed



**Example Feed Position**  
**IMB - NPF**  
 Back Feed 1 to  
 No Power Feed



**Example Feed Position**  
**IME - IME**  
 End Feed 1 and  
 End Feed 1



**Finish Options**

**White**  
 Base



Kurba's base finish is a crisp white which brings a timeless, clean aesthetic that brightens and enhances any space

Light Transmission and Dotting

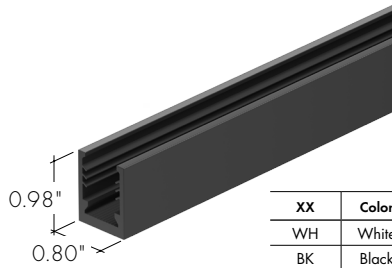
	Lens/Accessory
Output Options	Silicone Frosted/ White Finish
38SO	ND
Transmission Percentage	100%



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

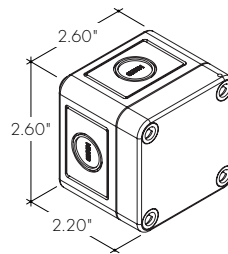
Mounting Accessories

**MC-KBL-BANP-3D-SM-78-XX**  
 KBL Mounting Channel, Bendable Anole Profile, 3D Bending, Surface Mount, 78in,

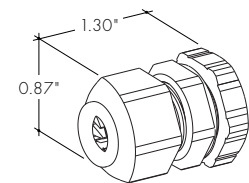


XX	Color
WH	White
BK	Black

**LVSP-WET**  
 Splice box: wet rated, low voltage, gray



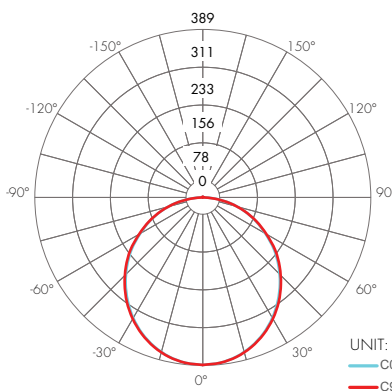
**LVSP-WET-CM**  
 Connector for splice box, low voltage for cable management, gray



Photometry

KBL-W-3D-48-38SO-30K-SF-NA-WH

Kurba Large, 3D Bend, 4ft, 3000K, 38SO output, Silicone Frosted Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	219	26.4%
0-40	301	36.3%
0-60	635	76.7%
0-90	819	98.9%
<b>Total</b>	<b>828</b>	<b>100.0%</b>



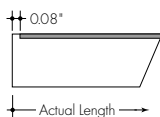
### HE3850 | Power Consumption Per Fixture Length

Based on operation with PDCU series of power supplies. Use Actual Length for Order Code Entry.  
 Tolerance for Actual Lengths less than 6 ft is +/- 0.2", Actual Lengths between 6 ft and 16 ft is +/- 0.3", and Actual Lengths greater than 16 ft is +/- 0.6"  
 A - End Connector at both ends of Kurba (0.20" + 0.20" added to overall length)  
 B - End Connector at one end of Kurba and No Connector or Back Connector or Side Connector at other end of Kurba (0.20" + 0.08" added to overall length)  
 C - Any combination of No Connector, Back Connector, or Side Connector on each end of Kurba (0.08" + 0.08" added to overall length)

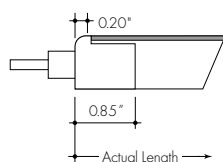
Nominal Length (in)	Actual Length (in)				Nominal Length (in)	Actual Length (in)				Nominal Length (in)	Actual Length (in)				Nominal Length (in)	Actual Length (in)			
	W	A	B	C		W	A	B	C		W	A	B	C		W	A	B	C
7	2.1	7.0	6.8	6.7	86	26.1	85.7	85.6	85.5	165	50.1	164.5	164.3	164.2	243	74.1	243.2	243.1	243.0
9	2.8	9.1	9.0	8.9	88	26.8	87.9	87.8	87.7	167	50.8	166.6	166.5	166.4	246	74.8	245.4	245.3	245.1
(1 ft) 11	3.5	11.3	11.2	11.1	90	27.5	90.1	90.0	89.8	(14 ft) 169	51.5	168.8	168.7	168.6	248	75.5	247.6	247.5	247.3
14	4.1	13.5	13.4	13.3	92	28.1	92.3	92.2	92.0	171	52.1	171.0	170.9	170.8	250	76.1	249.8	249.6	249.5
16	4.8	15.7	15.6	15.5	95	28.8	94.5	94.3	94.2	173	52.8	173.2	173.1	173.0	(21 ft) 252	76.8	252.0	251.8	251.7
18	5.5	17.9	17.8	17.7	(8 ft) 97	29.5	96.6	96.5	96.4	176	53.5	175.4	175.3	175.2	254	77.5	254.1	254.0	253.9
20	6.1	20.1	20.0	19.8	99	30.1	98.8	98.7	98.6	178	54.1	177.6	177.5	177.3	257	78.1	256.3	256.2	256.1
22	6.8	22.3	22.2	22.0	101	30.8	101.0	100.9	100.8	(15 ft) 180	54.8	179.8	179.6	179.5	259	78.8	258.5	258.4	258.3
(2 ft) 24	7.5	24.5	24.3	24.2	103	31.5	103.2	103.1	103.0	182	55.5	182.0	181.8	181.7	261	79.5	260.7	260.6	260.5
27	8.1	26.6	26.5	26.4	106	32.1	105.4	105.3	105.2	184	56.1	184.1	184.0	183.9	(22 ft) 263	80.1	262.9	262.8	262.6
29	8.8	28.8	28.7	28.6	(9 ft) 108	32.8	107.6	107.5	107.3	187	56.8	186.3	186.2	186.1	265	80.8	265.1	265.0	264.8
31	9.5	31.0	30.9	30.8	110	33.5	109.8	109.7	109.5	189	57.5	188.5	188.4	188.3	268	81.5	267.3	267.1	267.0
33	10.1	33.2	33.1	33.0	112	34.1	112.0	111.8	111.7	(16 ft) 191	58.1	190.7	190.6	190.5	270	82.1	269.5	269.3	269.2
(3 ft) 35	10.8	35.4	35.3	35.2	114	34.8	114.1	114.0	113.9	193	58.8	192.9	192.8	192.7	272	82.8	271.6	271.5	271.4
38	11.5	37.6	37.5	37.3	116	35.5	116.3	116.2	116.1	195	59.5	195.1	195.0	194.8	274	83.5	273.8	273.7	273.6
40	12.1	39.8	39.7	39.5	119	36.1	118.5	118.4	118.3	198	60.1	197.3	197.1	197.0	(23 ft) 276	84.2	276.0	275.9	275.8
42	12.8	42.0	41.8	41.7	(10 ft) 121	36.8	120.7	120.6	120.5	200	60.8	199.5	199.3	199.2	279	84.8	278.2	278.1	278.0
44	13.5	44.1	44.0	43.9	123	37.5	122.9	122.8	122.7	202	61.5	201.6	201.5	201.4	281	85.5	280.4	280.3	280.1
46	14.1	46.3	46.2	46.1	125	38.1	125.1	125.0	124.8	(17 ft) 204	62.1	203.8	203.7	203.6	283	86.2	282.6	282.5	282.3
(4 ft) 49	14.8	48.5	48.4	48.3	127	38.8	127.3	127.1	127.0	206	62.8	206.0	205.9	205.8	285	86.8	284.8	284.6	284.5
51	15.5	50.7	50.6	50.5	130	39.5	129.5	129.3	129.2	208	63.5	208.2	208.1	208.0	(24 ft) 287	87.5	286.9	286.8	286.7
53	16.1	52.9	52.8	52.7	(11 ft) 132	40.1	131.6	131.5	131.4	211	64.1	210.4	210.3	210.2	289	88.2	289.1	289.0	288.9
55	16.8	55.1	55.0	54.8	134	40.8	133.8	133.7	133.6	213	64.8	212.6	212.5	212.3	292	88.8	291.3	291.2	291.1
57	17.5	57.3	57.2	57.0	136	41.5	136.0	135.9	135.8	(18 ft) 215	65.5	214.8	214.6	214.5	294	89.5	293.5	293.4	293.3
(5 ft) 60	18.1	59.5	59.3	59.2	138	42.1	138.2	138.1	138.0	217	66.1	217.0	216.8	216.7	296	90.2	295.7	295.6	295.5
62	18.8	61.6	61.5	61.4	141	42.8	140.4	140.3	140.2	219	66.8	219.1	219.0	218.9	298	90.8	297.9	297.8	297.6
64	19.5	63.8	63.7	63.6	143	43.5	142.6	142.5	142.3	222	67.5	221.3	221.2	221.1	(25 ft) 300	91.5	300.1	300.0	299.8
66	20.1	66.0	65.9	65.8	(12 ft) 145	44.1	144.8	144.6	144.5	224	68.1	223.5	223.4	223.3	302	92.2	302.3	302.1	302.0
68	20.8	68.2	68.1	68.0	147	44.8	147.0	146.8	146.7	226	68.8	225.7	225.6	225.5	304	92.8	304.4	304.3	304.2
70	21.5	70.4	70.3	70.2	149	45.5	149.1	149.0	148.9	(19 ft) 228	69.5	227.9	227.8	227.6	307	93.5	306.6	306.5	306.4
(6 ft) 73	22.1	72.6	72.5	72.3	152	46.1	151.3	151.2	151.1	230	70.1	230.1	230.0	229.8	309	94.2	308.8	308.7	308.6
75	22.8	74.8	74.7	74.5	154	46.8	153.5	153.4	153.3	233	70.8	232.3	232.1	232.0	(26 ft) 311	94.8	311.0	310.9	310.8
77	23.5	77.0	76.8	76.7	(13 ft) 156	47.5	155.7	155.6	155.5	235	71.5	234.5	234.3	234.2					
80	24.1	79.1	79.0	78.9	158	48.1	157.9	157.8	157.7	237	72.1	236.6	236.5	236.4					
81	24.8	81.3	81.2	81.1	160	48.8	160.1	160.0	159.8	(20 ft) 239	72.8	238.8	238.7	238.6					
(7 ft) 84	25.5	83.5	83.4	83.3	162	49.5	162.3	162.1	162.0	241	73.5	241.0	240.9	240.8					

Note: all values are rounded to the nearest 0.1 inch

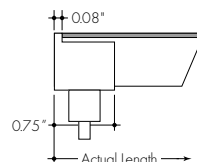
Endcap (No Connector) -NPF



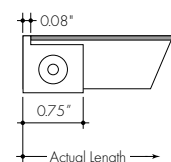
End Connector -IME



Back Connector -IMB



Side Connector -IMSA -IMSB

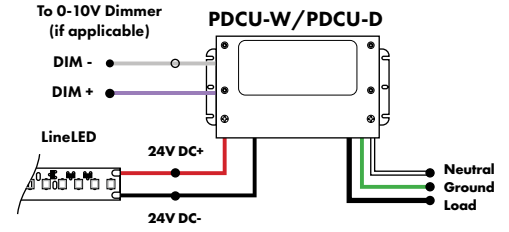


## Power Supplies

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.

### 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	



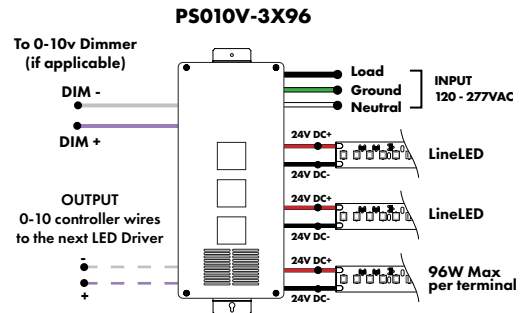
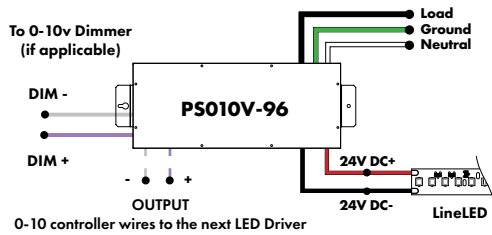
0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.  
For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.

MODELS	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"

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

MODEL	POWER	OUTPUT	DIMMING
PS010V - 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
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



**Power Supplies**

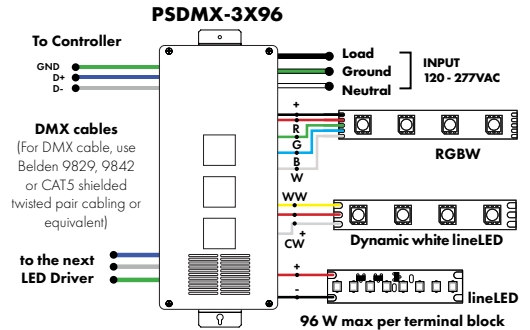
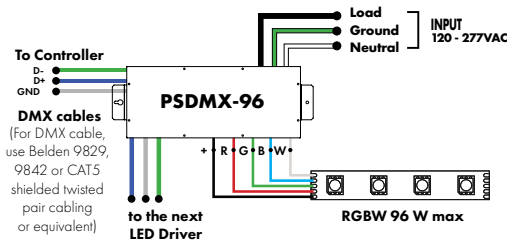
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

**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

MODELS	96W	3X96
<b>Length</b>	14.40"	15.75"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.95"

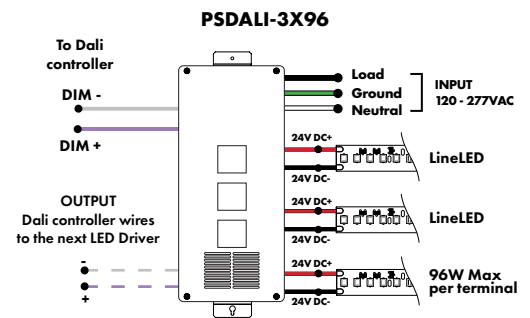
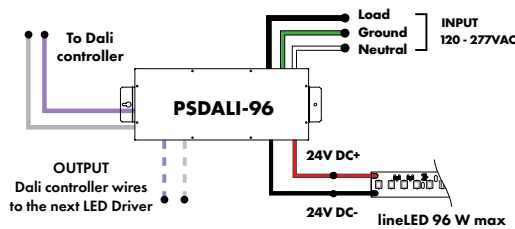


**DALI 0% Dimming Power Supplies 120VAC - 277VAC**

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

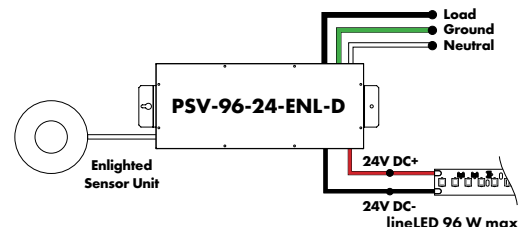
Model	96W	3X96
<b>Length</b>	14.40"	15.75"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.95"



**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

<b>Model</b>	<b>96W</b>
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"



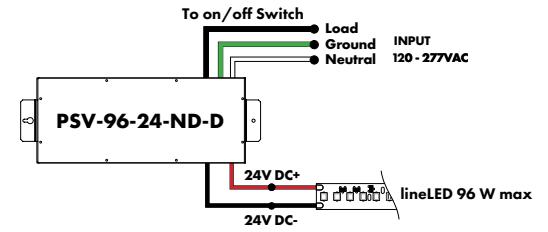
### Power Supplies

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.

#### 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	14.40"
Width	5.20"
Depth	2.60"



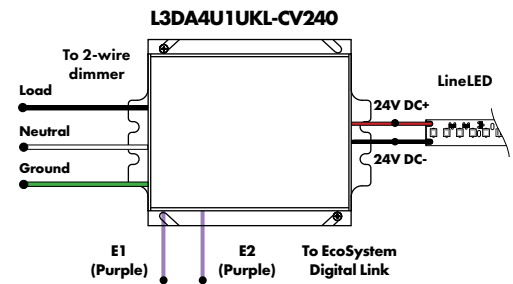
Luminii is a Lutron OEM Advantage Partner

#### Lutron Power Supplies 1%

MODEL
L3DA4U1UKL-CV240

HiLume™ 1% EcoSystem Voltage LED driver  
40W max

MODELS	L3DA4U1UKL-CV240
Length	4.98"
Width	4.00"
Depth	2.62"



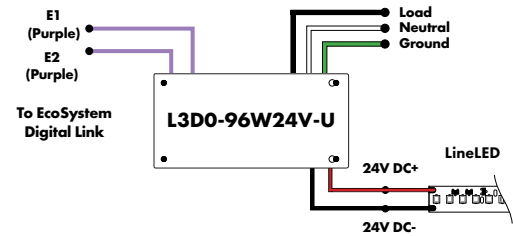
Luminii is a Lutron OEM Advantage Partner

#### Lutron Power Supplies 0.1%

MODEL
L3D0-96W24V-U

HiLume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™  
96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"



#### 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

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

