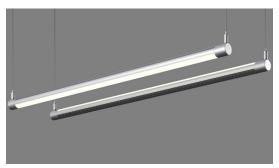
## Teava Suspended - Static White

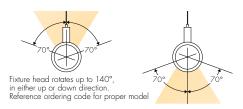
## Linear Illumination System





#### **Features**

- Extruded aluminum linear suspension system.
- 24VDC Class 2 fixtures made to order up to 232"
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- High Color Quality options offer premium quality and vibrant colors with R9 values up to 97
- · High Efficacy options offer best in class output and efficacy with over 540 lm/ft and up to 76 lm/W
- 5 Year warranty



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

Silver Anodized

Black

Bronze

White Matte Black

Warm Nickel

Aged Brass Polished Gold Chrome





### **Technical Information**

MODEL	н	igh Color Qual	ity		High Efficacy			
OUTPUT OPTIONS	7250	72HO	72VHO	HE48LO	HE48SO	HE48MO	HE48HO	HE64VHO
Lumens Output (3000K) (with a Clear Lens)	148 lm/ft	240 lm/ft	292 lm/ft	144 lm/ft	200 lm/ft	266 lm/ft	427 lm/ft	541 lm/ft
Average Power Consumption (for a 4' section)	2.8 W/ft	4.8 W/ft	6 W/ft	1.9 W/ft	2.8 W/ft	3.5 W/ft	6.5 W/ft	7.5 W/ft
Efficacy	53 lm/W	50 lm/W	49 lm/W	76 lm/W	71 lm/W	76 lm/W	66 lm/W	72 lm/W
Max Run Length (in series)	40 ft	31 ft	22 ft	48 ft	42 ft	33 ft	21 ft	15 ft
Max Ambient Temperature*		50°C [122°F]			50°C	[122°F]		45°C [117°F]

<sup>\*</sup>Max Ambient Temperature to maintain L7O of 50k+ hours. Exceeding Max Ambient Temperature may result in decreased life/output. Consult Technical Support for specific inquiries.

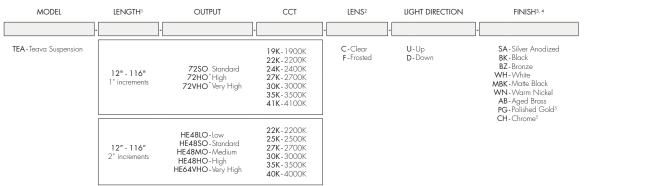
#### High Color Quality (72)

CCT	Multiplier	TM-30						
ССТ	(reference - 3000K)	CRI	Rf	$R_g$	R9			
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			

#### High Efficacy (HE48/HE64)

ССТ	Multiplier	TM-30						
	(reference - 3000K)	CRI	Rf	$R_g$	R9			
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			
4000K	1.02	92	86	94	71			

### **Ordering Code**

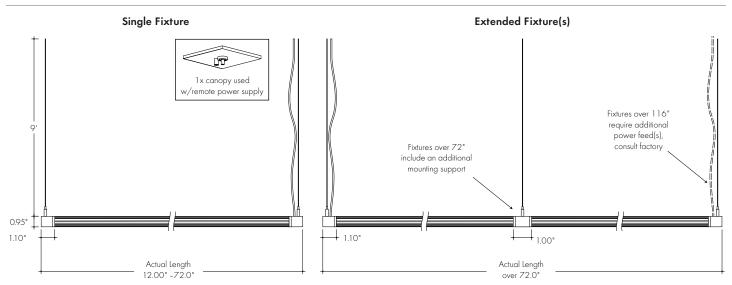


<sup>1 -</sup> Custom lengths and increments are available, please consult Inside Sales with specific request.
2 - All Fligh Elificacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections. See multiplier charats to calculate specific efficacies.

Non SA finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
 White canapy included with all finishes except Black and Matte Black, which includes a Black canapy.
 Pollshed Gold finishes have a maximum listure length of 96°, and Chrome finishes have a maximum listure length of 144°.

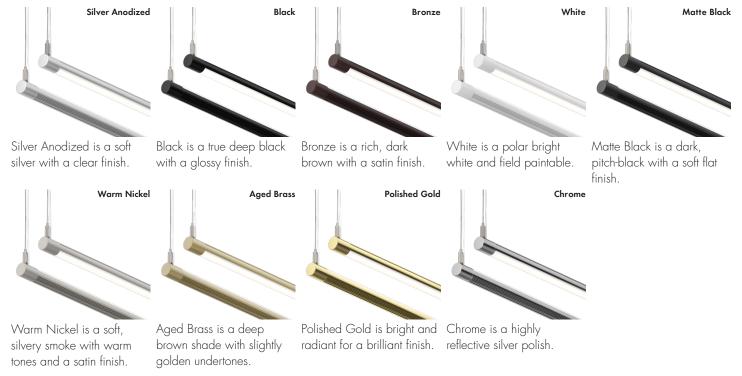


### **Product Dimensions**



### **Finish Options**

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Silver Anodized finishes may have extended lead times.
- Polished Gold finishes have a maximum fixture length of 96", and Chrome finishes have a maximum fixture length of 144".
- Custom RALs are available, please consult Inside Sales with specific request.



Lens

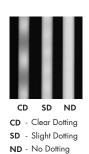


### **Light Transmission and Dotting**

#### **Output Options** Clear Frosted 72SO CD ND 72HO ND CD 72VHO CD ND HE48LO CD ND HE48SO CD ND HE48MO CD ND HE48HO ND HE64VHO CD ND

100%

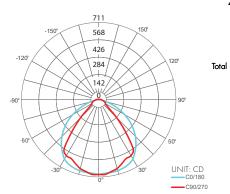
69%



### **Photometry**

## TEA-48-72VHO-30K-C

Teava, 4ft, 3000K, VHO, Clear Lens



### Zonal Lumen Summary 3000K

**Transmission Percentage** 

Zone	Lumen	% Fixture
0-30	542	32.0%
0-40	893	52.6%
0-60	1442	85.1%
0-90	1652	97.4%
0-180	1695	100.0%

Beam Angle	
100°	

### TEA-48-72VHO-30K-F

Teava, 4ft, 3000K, VHO, Frosted Lens

#### Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture			
	0-30	258	22.0%			
	0-40	428	36.7%			
	0-60	784	67.1%			
	0-90	1095	93.7%			
ı	0-180	1169	100.0%			

0-180	1169	100.0%				
B	eam Angl	е				
	101.0					

-150° 268 -150° 268 201 134 67 67 67 90° 60°	Tot
-30° UNIT: CD	
——C90/27	0

## Linear Illumination System



### **Power Consumption**

Tested at Full Power with PDC Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

### High Color Quality (72)

Nominal	Actual		Watts		Nominal	Actual		Watts		Nominal	Actual		Watts	
Length (in)	Length	so	но	VHO	Length (in)	Length	so	НО	VHO	Length (in)	Length	so	НО	VHO
12	11 1/16	2.7	4.4	6.2	47	46 15/16	10.0	16.7	22.1	82	81 11/16	17.9	28.9	37.6
13	12 3/16	2.7	4.4	6.2	48	-	_	-	_	83	82 13/16	18.1	29.2	38.0
14	13 6/16	2.7	4.4	6.2	49	48 1/16	10.2	17.1	22.6	84	84	18.3	29.5	38.4
15	14 8/16	2.7	4.4	6.2	50	49 4/16	10.5	17.4	23.1	85	-	_	-	_
16	15 11/16	2.9	4.8	6.7	51	50 6/16	10.7	17.8	23.5	86	85 2/16	18.5	29.8	38.8
17	16 13/16	3.1	5.2	7.3	52	51 9/16	11.1	18.6	24.4	87	86 5/16	18.7	30.1	39.2
18	18	3.4	5.6	7.8	53	52 11/16	11.4	18.9	24.9	88	87 7/16	19.2	30.8	40.0
19	-	-	-	-	54	53 14/16	11.6	19.3	25.3	89	88 10/16	19.4	31.1	40.4
20	19 2/16	3.6	6.0	8.3	55	-	_	-	-	90	89 12/16	19.6	31.5	40.8
21	20 5/16	3.9	6.5	8.9	56	55 1/16	11.9	19.7	25.7	91	90 15/16	19.9	31.8	41.1
22	21 7/16	4.4	7.3	9.9	57	56 3/16	12.1	20.1	26.1	92	-	-	-	_
23	22 10/16	4.6	7.7	10.5	58	57 6/16	12.3	20.5	26.6	93	92 1/16	20.1	32.2	41.5
24	23 12/16	4.8	8.1	11.0	59	58 8/16	12.8	21.3	27.4	94	93 4/16	20.4	32.5	41.9
25	24 15/16	5.1	8.6	11.5	60	59 11/16	13.1	21.6	27.8	95	94 6/16	20.6	32.9	42.3
26	-	-	-	_	61	60 13/16	13.3	22.0	28.3	96	95 9/16	21.1	33.6	43.1
27	26 1/16	5.3	9.0	12.1	62	62	13.6	22.4	28.7	97	96 12/16	21.3	33.9	43.4
28	27 4/16	5.6	9.4	12.6	63	-	_	-	-	98	97 14/16	21.5	34.2	43.8
29	28 6/16	5.8	9.8	13.1	64	63 2/16	13.8	22.8	29.1	99	-	-	-	_
30	29 9/16	6.2	10.5	14.1	65	64 5/16	14.0	23.1	29.6	100	99 1/16	21.8	34.6	44.2
31	30 11/16	6.5	10.9	14.5	66	65 7/16	14.5	23.8	30.5	101	100 3/16	22.0	34.9	44.6
32	31 14/16	6.7	11.2	15.0	67	66 10/16	14.7	24.1	31.0	102	101 6/16	22.2	35.2	45.0
33	-	-	-	-	68	67 12/16	14.9	24.4	31.4	103	102 8/16	22.5	35.9	45.9
34	33 1/16	6.9	11.6	15.5	69	68 15/16	15.1	24.7	31.9	104	103 11/16	22.7	36.2	46.3
35	34 3/16	<i>7</i> .1	12.0	16.0	70	-	_	_	-	105	104 13/16	22.9	36.5	46.7
36	35 6/16	7.3	12.3	16.5	71	70 1/16	15.3	25.0	32.4	106	106	23.1	36.8	47.1
37	36 8/16	7.8	13.1	17.4	72	71 4/16	15.5	25.4	32.8	107	-	-	-	_
38	37 11/16	8.0	13.4	17.9	73	72 6/16	15.8	25.7	33.3	108	107 2/16	23.3	37.1	47.5
39	38 13/16	8.2	13.8	18.4	74	73 9/16	16.2	26.3	34.2	109	108 5/16	23.5	37.4	48.0
40	40	8.4	14.2	18.9	75	74 11/16	16.4	26.6	34.7	110	109 7/16	23.9	38.1	48.8
41	-	_	_	_	76	75 14/16	16.6	26.9	35.1	111	110 10/16	24.1	38.4	49.2
42	41 2/16	8.7	14.5	19.3	77	-	_	_	-	112	111 12/16	24.3	38.7	49.6
43	42 5/16	8.9	14.9	19.8	78	77 1/16	16.8	27.3	35.5	113	112 15/16	24.5	39.0	50.0
44	43 7/16	9.3	15.6	20.7	79	78 3/16	17.1	27.6	35.9	114	-	-	-	
45	44 10/16	9.6	16.0	21.2	80	79 6/16	17.3	27.9	36.3	115	114 1/16	24.8	39.3	50.4
46	45 12/16	9.8	16.4	21.7	81	80 8/16	17.7	28.5	37.2	116	115 4/16	25.0	39.6	50.8



### **Power Consumption**

Tested at Full Power with PDC Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

### High Efficacy (HE48)

Nominal	Actual		W	atts		Nominal	Actual		W	atts		Nominal	Actual		W	atts	
Length (in)	Length	LO	so	МО	но	Length (in)	Length	LO	so	МО	НО	Length (in)	Length	LO	so	МО	НО
12	10 13/16	1.7	2.5	3.5	5.7	47	46 4/16	6.7	10.2	12.6	23.9	82	81 11/16	12.2	19.4	23.3	41.4
13	12 12/16	1.7	2.5	3.5	5.7	48	-	_	-	_	_	83	-	_	-	_	_
14	-	_	_	_	_	49	48 3/16	6.9	10.7	13.3	24.7	84	83 10/16	12.5	19.9	23.9	42.2
15	14 12/16	1.7	2.5	3.5	5.7	50	-	-	-	-	-	85	-	-	-	-	_
16	-	-	-	_	-	51	50 3/16	<i>7</i> .1	11.2	13.9	25.4	86	85 10/16	12.8	20.3	24.5	43.1
17	16 11/16	2.0	3.0	4.0	7.2	52	-	-	-	-	-	87	-	-	-	-	_
18	-	_	_	-	-	53	52 2/16	7.4	11.7	14.5	26.3	88	87 9/16	13.1	20.8	25.1	44.1
19	18 11/16	2.4	3.5	4.6	8.7	54	-	_	-	-	_	89	-	_	-	-	
20	-	-	-	-	-	55	54 2/16	7.7	12.3	15.1	27.4	90	89 9/16	13.4	21.3	25.7	45.0
21	20 10/16	2.7	3.9	5.2	10.2	56	-	-	-	_	_	91	-	-	-	-	_
22	-	_	_	-	-	57	56 1/16	8.0	12.9	15.7	28.5	92	91 8/16	13.7	21.7	26.3	46.0
23	22 10/16	3.0	4.4	5.8	11.7	58	-	-	-	-	-	93	-	-	-	-	_
24	-	-	-	-	-	59	58 1/16	8.4	13.5	16.4	29.5	94	93 8/16	14.0	22.1	26.9	47.0
25	24 9/16	3.4	4.9	6.4	13.2	60	-	-	-	_	_	95	-	-	-	-	_
26	-	_	-	-	-	61	60	8.7	14.0	17.0	30.6	96	95 7/16	14.3	22.6	27.5	47.9
27	26 9/16	3.7	5.4	7.0	14.7	62	62	9.0	14.6	17.6	31.6	97	-	-	-	-	_
28	-	-	-	-	-	63	-	-	-	_	_	98	97 7/16	14.4	22.8	27.8	48.4
29	28 8/16	4.1	5.9	7.5	15.8	64	63 15/16	9.4	15.2	18.2	32.6	99	-	-	-	-	_
30	-	_	_	_	_	65	-	_	-	_	_	100	99 6/16	14.7	23.3	28.5	49.4
31	30 8/16	4.4	6.4	8.1	16.8	66	65 15/16	9.7	15.6	18.7	33.7	101	-	-	-	-	_
32	-	_	-	_	_	67	-	-	-	-	_	102	101 6/16	15.0	23.7	29.0	50.4
33	32 7/16	4.8	6.9	8.7	17.9	68	67 14/16	10.0	16.1	19.2	34.7	103	-	-	-	-	_
34	-	-	-	_	-	69	_	-	-	-	_	104	103 5/16	15.3	24.1	29.6	51.3
35	34 7/16	5.0	7.2	9.0	18.5	70	69 14/16	10.4	16.5	19.8	35.7	105	-	-	-	-	_
36	-	-	-	-	-	71	-	-	-	-	-	106	105 5/16	15.6	24.6	30.2	52.3
37	36 6/16	5.4	7.7	9.6	19.5	72	71 13/16	10.7	17.0	20.3	36.7	107	-	-	-	-	_
38	-	-	-	-	-	73	-	-	-	-	-	108	107 4/16	15.8	25.0	30.7	53.2
39	38 6/16	5.7	8.2	10.2	20.6	74	73 13/16	11.0	17.4	20.8	37.7	109	-	-	-	-	_
40	-	-	-	-	-	75	-	-	-	-	-	110	109 4/16	16.1	25.5	31.3	54.2
41	40 5/16	6.0	8.7	10.8	21.5	76	75 12/16	11.3	17.9	21.4	38.7	111	-	-	_	-	_
42	-	-	-	_	-	77	-	-	-	-	-	112	111 3/16	16.4	25.9	31.9	55.2
43	42 5/16	6.2	9.2	11.4	22.3	78	77 12/16	11.6	18.4	22.0	39.6	113	-	_	_	-	
44	-	_	_	_	_	79		_	-	_	_	114	113 3/16	16.7	26.4	32.5	56.1
45	44 4/16	6.4	9.7	12.0	23.1	80	79 11/16	11.9	18.9	22.7	40.5	115	-	_	_	_	
46	-	-	-	_	-	81	-	-	-	_	_	116	115 2/16	17.0	26.8	33.1	57.0



### **Power Consumption**

Tested at Full Power with PDC Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

### High Efficacy (HE64)

			_					
Nominal	Actual	Watts	Nominal	Actual	Watts	Nominal	Actual	Watts
Length (in)	Length	VHO	Length (in)	Length	VHO	Length (in)	Length	VHO
12	10 8/16	7.6	47	46 13/16	27.6	82	81 11/16	49.8
13	12	7.6	48	-	-	83	-	-
14	13 8/16	7.6	49	48 6/16	28.2	84	83 3/16	50.4
15	-	_	50	49 14/16	29.5	85	84 11/16	51.7
16	15 1/16	7.6	51	-	-	86	-	-
17	16 9/16	8.9	52	51 6/16	30.1	87	86 3/16	52.3
18	-	_	53	52 14/16	31.4	88	87 12/16	53.6
19	18 1/16	9.5	54	-	_	89	-	-
20	19 9/16	10.7	55	54 7/16	32.0	90	89 4/16	54.2
21	-	_	56	55 15/16	33.3	91	90 12/16	55.5
22	21 2/16	11.4	57	-	-	92	-	_
23	22 10/16	12.6	58	57 7/16	34.0	93	92 4/16	56.2
24	-	_	59	58 15/16	35.2	94	93 12/16	57.5
25	24 2/16	13.2	60	-	_	95	-	_
26	25 10/16	14.5	61	60 7/16	36.5	96	95 5/16	58.2
27	-	_	62	62	37.2	97	96 13/16	59.5
28	27 2/16	15.1	63	-	_	98	-	_
29	28 11/16	16.4	64	63 8/16	38.4	99	98 5/16	60.1
30	-	_	65	-	_	100	99 13/16	61.4
31	30 3/16	17.0	66	65	39.1	101	-	-
32	31 11/16	18.2	67	66 8/16	40.4	102	101 6/16	62.0
33	-	_	68	-	_	103	102 14/16	63.2
34	33 3/16	18.9	69	68 1/16	41.0	104	-	_
35	34 12/16	20.1	70	69 9/16	42.3	105	104 6/16	63.8
36	-	-	71	-	_	106	105 14/16	65.0
37	36 4/16	20.7	72	71 1/16	42.9	107	-	_
38	37 12/16	22.0	73	72 9/16	44.2	108	107 7/16	65.6
39	-	-	74	-	-	109	108 15/16	66.8
40	39 4/16	22.6	75	74 2/16	44.9	110	-	_
41	40 13/16	23.9	76	75 10/16	46.1	111	110 7/16	67.4
42	-	-	77	-	-	112	111 15/16	68.5
43	42 5/16	24.5	78	77 2/16	46.7	113	-	-
44	43 13/16	25.7	79	78 10/16	48.0	114	113 7/16	69.6
45	-	-	80	-	_	115	115	70.1
46	45 5/16	26.4	81	80 2/16	48.6	116	-	-
		1			1			I

# Linear Illumination System



## **Voltage Drop Calculator**

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

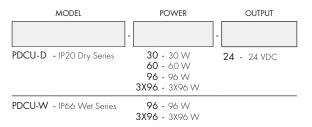
Wattage			Wire Length From	m Power Supply	to Start of Run [ft	.]	
[M]	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
10	544.1	342.2	215.1	135.3	85.1	53.5	33.7
15	362.7	228.1	143.4	90.2	56.7	35.7	22.4
20	272.0	171.1	107.6	67.7	42.6	26.8	16.8
25	217.6	136.9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



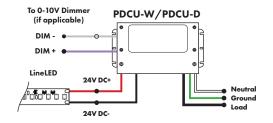
### **Power Supplies**

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.

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



0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%. For a complete list of compatible dimmers, see  $\underline{\text{Compatible Dimming Chart}}$  on the Resources page.

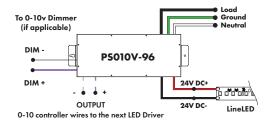


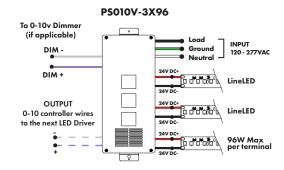
MODELS	PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33	1.32"	1.56"	1.13"

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

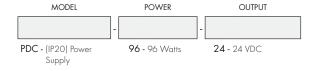


MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"

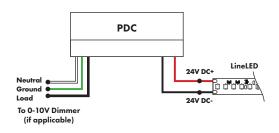




### Triac, MLV, & ELV Compatible Dimmers



96W	
8.25"	
4.10"	
1.56"	
	8.25" 4.10"

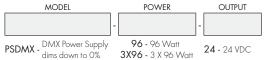




### **Power Supplies**

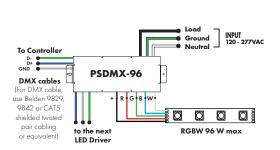
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

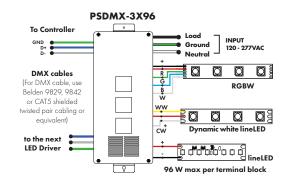
### DMX Dimming Power Supplies 120VAC - 277VAC



Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



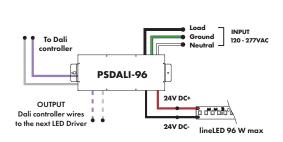


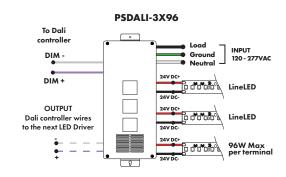
### DALI 0% Dimming Power Supplies 120VAC - 277VAC



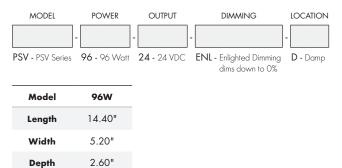
Features eldoLED's LINEARdrive configurable dimmable drivers

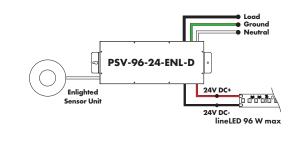
96W	3X96
14.40"	15.75"
5.20"	6.62"
2.60"	4.95"
	14.40" 5.20"





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



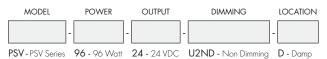




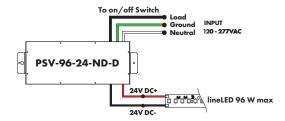
### **Power Supplies**

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



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



## **\$\text{LUTRON}**

Luminii is a Lutron OEM Advantage Partner

#### **Lutron Power Supplies 1%**

MODEL MODEL

LTEA4U1UKL-CV240

Lutron - Hi-lume<sup>TM</sup> 1% 2-wire LED Driver
40W max

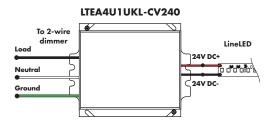
MODEL

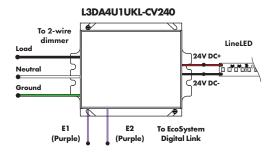
L3DA4U1UKL-CV240

Hi-lume<sup>TM</sup> 1% EcoSystem Voltage LED driver
40W max

(120V forward phase only)

MODELS	LTEA41UKL-CV240	L3DA4U1UKL-CV240
Length	4.89"	4.98"
Width	4.00"	4.00"





## **ELUTRON**

Depth

96W max

Luminii is a Lutron OEM Advantage Partner

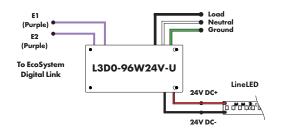
#### **Lutron Power Supplies 0.1%**

MODEL

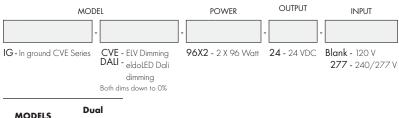
2.62"

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

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"



### **In-Ground Power Supplies**



2.62"

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

