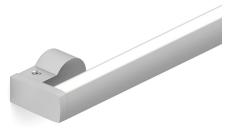
Linear Illumination System

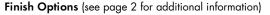


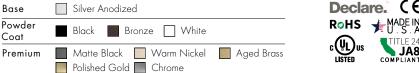
Features

- Extruded aluminum linear wall mount system providing both direct and indirect light.
- 24VDC Class 2 fixtures made to order up to 96".
- Suitable for wall mount applications
- Class 2 listed for damp locations
- Dot free even illumination
- Direct lumens output is 42.5% of total lumens output from Technical Information.
- 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 780 lm/ft and up to 55 lm/W
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- Average Life (L70): 50,000hrs
- 7 Year warranty







Technical Information

MODEL	н	igh Color Quali	ty		High E	fficacy		High Efficacy
OUTPUT OPTIONS	7250	72HO	72VHO	HE48LO	HE48SO	HE48MO	HE48HO	HE64VHO
Lumens Output (3000K) (with a Frosted Lens)	215 lm/ft	349 lm/ft	425 lm/ft	209 lm/ft	290 lm/ft	387 lm/ft	621 lm/ft	786 lm/ft
Average Power Consumption (for a 4' section)	5.6 W/ft	9.6 W/ft	12 W/ft	3.8 W/ft	5.6 W/ft	7 W/ft	13 W/ft	15 W/ft
Efficacy	38 lm/W	36 lm/W	35 lm/W	55 lm/W	52 lm/W	55 lm/W	48 lm/W	52 lm/W
Max Run Length (in series)	20 ft	16 ft	11 ft	24 ft	21 ft	17 ft	12 ft	8 ft
Ambient Operating Temperature Range*	-5°F - 125°F (-20°C - 50°C)	-5°F - 105°F (-20°C - 40°C)	-5°F - 90°F (-20°C - 30°C)		-5°F - 125°F (-20°C - 50°C)		-5°F – 90°F (-20°C - 30°C)	-5°F - 80°F (-20°C - 25°C)

*Ambient Operating Temperature Range to maintain 170 of 50k+ hours in normal mounting conditions for the fixture. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

High Color Quality (72)

сст	Multiplier		TM	-30	
	(reference - 3000K)	CRI	Rf	Rg	Rg
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 (HE4	8/HE64	l)		
667	Multiplier		тм	-30	
ССТ	(reference - 3000K)	CRI	Rf	Rg	Rg
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

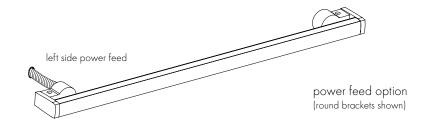
Ordering Code

MODEL	LENGTH ¹	OUTPUT ²	CCT	LENS	MOUNTING	FINISH³	FEED POSITION LEFT ⁵	FEED POSITION RIGHT ⁵
	-	-	-	- ·		-	-	
LUCW-Luceo Wall	24" - 96" 1" increments	72SO - Standard 72HO - High 72VHO - Very High	19K - 1900K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	F - Frosted	RND-Round Brackets REC-Rectangle Brackets	BASE SA-Silver Anodized POWDER COAT BK-Black BZ-Bronze WH-White	WIRE LEADS (72") LWB - Wire Back Feed LNPF - No Power Feed	WIRE LEADS (72") RWB - Wire Back Feed RNPF - No Power Feed
	24" - 96" 2" increments	HE48LO-Low HE48SO-Standard HE48MO-Medium HE48HO-High HE64VHO-Very High	22K - 2200K 25K - 2500K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K			PREMIUM MBK - Matte Black WN - Warm Nickel AB - Aged Brass PG - Polished Gold ⁴ CH - Chrome ⁴	QUICK CONNECTS (4") LFB-Female Q/C, Back Feed LNPF-No Power Feed	QUICK CONNECTS (4") RFB-Female Q/C, Back Feed RNPF-No Power Feed

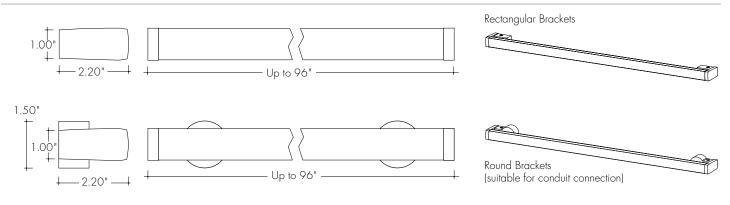
I - Custom lengths and increments are available, please consult Inside Sales with specific request.
2 - All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies. Non Base tinishes may have extended lead times. Custom KALs are available, please consult Inside Sales with specific request 4 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".
 INPF - RNPF is not a valid configuration option

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Power Feed Options



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 and price adder.
- Polished Gold and Chrome finishes have a maximum fixture length of 96".
- Custom RALs are available, please consult Inside Sales with specific request.





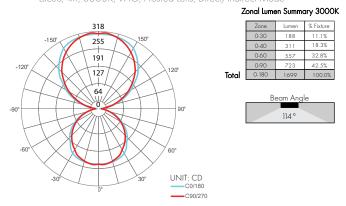
Light Transmission and Dotting

		Lens/Ac	cessory	
Output Options		Fro	sted	
Dimming Level	100%	50%	10%	1%
7250	ND	ND	ND	ND
72HO	ND	ND	ND	ND
72VHO	ND	ND	ND	ND
HE48LO	ND	ND	ND	ND
HE48SO	ND	ND	ND	ND
HE48MO	ND	ND	ND	ND
HE48HO	ND	ND	ND	ND
HE64VHO	ND	ND	ND	ND
Transmission Percentage		10	0%	



Photometry

LUC-48-72VHO-30K-F Luceo, 4ft, 3000K, VHO, Frosted Lens, Direct/Indirect Mode



Power Consumption

Tested at Full Power with PS-UNI Series power supplies. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

						J								
Nominal	المنابع		Watts		Nominal	Actual		Watts		Nominal	Actual		Watts	
Length (in)	Actual Length	SO	но	VHO	Length (in)	Actual Length	SO	но	VHO	Length (in)	Actual Length	SO	НО	VHO
12	-	-	-	-	47	46 7/16	20.6	32.9	42.3	82	81 3/16	34.3	53.1	67.5
13	_	-	-		48	47 10/16	21.3	33.9	43.4	83	82 6/16	34.7	53.6	68.8
14	_	_	-	-	49	48 12/16	21.8	34.6	44.2	84	83 8/16	35.2	54.4	70.7
15	-	-	-	-	50	49 15/16	22.2	35.2	45.0	85	84 11/16	35.5	54.9	72.0
16		-	-	-	51	-	-	_	-	86	85 13/16	35.9	55.4	72.4
17		-	-	-	52	51 1/16	22.7	36.2	46.3	87	87	36.5	56.1	73.1
18		-	-	-	53	52 4/16	23.1	36.8	47.1	88		-	-	-
19		-	-	-	54	53 6/16	23.5	37.4	48.0	89	88 2/16	36.9	56.6	73.5
20	-	-	-	-	55	54 9/16	24.1	38.4	49.2	90	89 5/16	37.3	57.1	74.0
21	-	-	-	-	56	55 12/16	24.5	39.0	50.0	91	90 7/16	37.7	57.6	74.4
22		-	-	-	57	56 14/16	25.0	39.6	50.8	92	91 10/16	38.3	58.4	75.3
23	-	-	-	-	58		-	-		93	92 12/16	38.7	59.0	76.0
24	23 5/16	10.2	17.1	22.6	59	58 1/16	25.6	40.5	52.0	94	93 15/16	39.1	59.7	76.7
25	24 7/16	10.7	17.8	23.5	60	59 3/16	26.1	41.1	52.8	95	-	-	-	_
26	25 10/16	11.4	18.9	24.9	61	60 6/16	26.5	41.7	53.6	96	95 1/16	39.8	60.6	77.7
27	26 12/16	11.9	19.7	25.7	62	61 8/16	27.1	42.6	54.7					
28	27 15/16	12.3	20.5	26.6	63	62 11/16	27.5	43.1	55.4					
29	-	-	-	-	64	63 13/16	27.9	43.7	56.1					
30	29 1/16	13.1	21.6	27.8	65	65	28.5	44.5	57.1					
31	30 4/16	13.6	22.4	28.7	66	-	-	-	-					
32	31 6/16	14.0	23.1	29.6	67	66 2/16	28.9	45.0	57.8					
33	32 9/16	14.7	24.1	31.0	68	67 5/16	29.3	45.5	58.4					
34	33 12/16	15.1	24.7	31.9	69	68 7/16	29.6	45.9	59.1					
35	34 14/16	15.5	25.4	32.8	70	69 10/16	30.2	46.5	60.0					
36	_	-	-	-	71	70 12/16	30.5	47.0	60.6					
37	36 1/16	16.2	26.3	34.2	72	71 15/16	30.8	47.4	61.3					
38	37 3/16	16.6	26.9	35.1	73	-		-						
39	38 6/16	17.1	27.6	35.9	74	73 1/16	31.4	48.1	62.1					
40	39 8/16	17.7	28.5	37.2	75	74 4/16	31.8	48.8	62.5					
41	40 11/16	18.1	29.2	38.0	76	75 7/16	32.1	49.4	62.9					
42	41 13/16	18.5	29.8	38.8	77	76 9/16	32.7	50.4	63.5					
43	43	19.2	30.8	40.0	78	77 12/16	33.1	51.1	63.9					
44	-	_	-	-	79	78 14/16	33.5	51.7	64.3					
45	44 2/16	19.6	31.5	40.8	80	-	-	_	-					
46	45 5/16	20.1	32.2	41.5	81	80 1/16	34.0	52.5	66.2					

High Color Quality (72)

Power Consumption

Tested at Full Power with PS-UNI Series power supplies. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Efficacy (HE48)

								9		•	•							
Nominal	Actual		W	atts		Nominal		ctual		W	atts		Nominal	Actual		W	atts	
Length (in)	Length	LO	so	мо	но	Length (in)		ength	LO	so	мо	но	Length (in)	Length	LO	so	мо	но
12	-	-	-		-	47	46	9/16	14.3	22.6	27.5	47.9	82	_	-		_	-
13	-	-	-	-	-	48		-	-	-	-	-	83	82	22.6	38.4	47.6	78.5
14	-	-	-	-	-	49	48	9/16	14.7	23.3	28.5	49.4	84	84	22.8	39.3	48.8	79.4
15	-	-	-	-	-	50		-	-	-	-	-	85	-	-	_	-	-
16	-	-	-	-	-	51	50	8/16	15.3	24.1	29.6	51.3	86	85 15/16	23.1	40.1	49.9	80.3
17		-	-	-	-	52			-				87	-	-	-	-	-
18		-	-	-	-	53	52	8/16	15.8	25.0	30.7	53.2	88	87 15/16	23.3	41.0	51.0	81.2
19		-	-	-	-	54			-	-		-	89	-	-	-	-	-
20		-	-	-	-	55	54	7/16	16.4	25.9	31.9	55.2	90	89 14/16	23.5	41.9	52.1	82.0
21		-	-	-	-	56			-			-	91	-	-	-	-	-
22	-	-	-	-	-	57	56	7/16	17.0	26.8	33.1	57.0	92	91 14/16	24.0	42.9	53.4	82.7
23	-	-	-		-	58		-	-	-	_	-	93	-	-	_	_	-
24	-	-	-	-	-	59	58	6/16	17.5	27.7	34.3	58.7	94	93 13/16	24.6	43.8	54.7	83.3
25	24 15/16	7.4	11.7	14.5	26.3	60			-			-	95		-			-
26	-	-	-	-	-	61	60	6/16	18.1	28.6	35.5	60.5	96	95 13/16	25.2	44.8	56.0	84.0
27	26 14/16	8.0	12.9	15.7	28.5	62		-	-	-	_	-	_					
28	-	-	-	-	-	63	62	5/16	18.4	29.5	36.6	63.8	_					
29	28 14/16	8.7	14.0	17.0	30.6	64		-	-	-		-						
30	-	-	-	-	-	65	64	5/16	18.8	30.4	37.7	67.0						
31	30 13/16	9.4	15.2	18.2	32.6	66		-	-	-	-	-						
32	-	-	-	-	-	67	66	4/16	19.1	31.2	38.9	70.2	_					
33	32 13/16	10.0	16.1	19.2	34.7	68		-	-	-		-	_					
34	-	-	-	-	-	69	68	4/16	19.5	32.3	40.0	71.2	-					
35	34 12/16	10.7	17.0	20.3	36.7	70		-	-	-	-	-						
36	-	-	-	-	-	71	70	3/16	20.0	33.3	41.1	72.3	_					
37	36 12/16	11.3	17.9	21.4	38.7	72		-	-	-	-	-	_					
38		-	-	-	-	73	72	3/16	20.4	34.4	42.3	73.4						
39	38 11/16	11.9	18.9	22.7	40.5	74		-	-	-	-	-						
40	-	-	-	-	-	75	74	2/16	21.0	35.2	43.4	74.6	_					
41	40 11/16	12.5	19.9	23.9	42.2	76		_	-	-	-	-	_					
42		-	-	-	-	77	76	2/16	21.5	36.0	44.5	75.7						
43	42 10/16	13.1	20.8	25.1	44.1	78		-	-	-	_	-						
44	-	-	-	-	-	79	78	1/16	22.1	36.8	45.7	76.9						
45	44 10/16	13.7	21.7	26.3	46.0	80		-	-	_	-	-						
46		-	_	-	-	81	80	1/16	22.3	37.5	46.5	77.6						

Power Consumption

Tested at Full Power with PS-UNI Series power supplies.

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

				HI	gh Efficacy ((HE64)					
Nominal	Actual	W	atts	Nominal	Actual	W	atts	Nominal	Actual	W	atts
Length (in)	Length	VHO	ХНО	Length (in)	Length	VHO	XHO	Length (in)	Length	VHO	XHO
12	-	-	-	47	46 12/16	58.2	68.4	82	81 9/16	91.5	95.4
13	-	-	-	48	-	-	-	83		-	-
14		-		49	48 4/16	60.1	70.0	84	83 1/16	92.1	96.2
15	-	-	_	50	49 12/16	62.0	71.7	85	84 9/16	92.7	97.0
16	-	-	_	51	-	-	-	86	-	-	-
17	-	-	-	52	51 4/16	63.8	73.5	87	86 2/16	93.3	96.8
18		-	-	53	52 13/16	65.6	75.3	88	87 10/16	94.0	96.5
19	-	-	_	54	-	-	-	89	-	-	-
20	-	-	_	55	54 5/16	67.4	77.1	90	89 2/16	94.6	96.3
21	-	_	_	56	55 13/16	69.6	78.7	91	90 10/16	95.2	96.0
22	-	-	-	57		-	-	92	-	-	-
23	-	-	_	58	57 5/16	71.2	79.7	93	92 2/16	95.8	0.0
24	-	-	_	59	58 13/16	72.8	80.7	94	93 11/16	96.4	0.0
25	24	29.5	37.6	60	-	_	-	95	-	-	-
26	25 8/16	31.4	40.2	61	60 6/16	74.4	81.7	96	95 3/16	96.9	0.0
27	-	_	_	62	61 14/16	75.6	82.5	-			
28	27 1/16	33.3	42.9	63	-	-	-				
29	28 9/16	35.2	45.5	64	63 6/16	76.8	83.4				
30	-	-	-	65	64 14/16	78.0	84.2				
31	30 1/16	37.2	48.2	66	-	-	-				
32	31 9/16	39.1	50.8	67	66 7/16	79.2	85.0	-			
33	-	_	-	68	67 15/16	80.3	86.2				
34	33 2/16	41.0	53.4	69	-	-	-				
35	34 10/16	42.9	55.9	70	69 7/16	81.3	87.5				
36	-	-	-	71	70 15/16	82.4	88.7	-			
37	36 2/16	44.9	58.5	72	-	-	-				
38	37 10/16	46.7	60.1	73	72 7/16	83.4	89.9				
39	_	-	-	74	74	85.1	90.9				
40	39 2/16	48.6	61.3	75	-		-				
41	40 11/16	50.4	62.6	76	75 8/16	86.8	91.9				
42	-	-	_	77	-	-	-				
43	42 3/16	52.3	63.8	78	77	88.5	92.8				
44	43 11/16	54.2	65.3	79	78 8/16	90.2	93.8	-			
45	-	-	_	80	-	-	-	-			
46	45 3/16	56.2	66.8	81	80 1/16	90.8	94.6				

High Efficacy (HE64)

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 Fror	n Power Supply	to Start of Run [ft]	
[W]	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

PS-UNI-W-30W

6.50"

3.73"

1.61″

PS-UNI-D-30W

8.77″

4.27"

1.83"

Power Supplies

MODELS

Length

Width

Depth

MODELS

Length

Width

Depth

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.

PS-UNI-W-3X96W 11.85"

4.32"

1.81"

PS-UNI-D-3X96W

9.94"

7.61"

2.02"

Ordering Code Universal Dimming Power Supplies 1% 120VAC - 277VAC

PS-UNI-W-60W

7.40"

3.73″

1.61″

PS-UNI-D-60W

8.77″

4.27"

1.83"

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
	-			-
PS-Power Supply, 120-277VAC	UNI-0-10V Dimming, Phase Dimming	D-Dry W-Wet	30-30 Watts 60-60 Watts 96-96 Watts 3x96-3x96 Watts	24-24 VDC
Compatibility: View a comple	te list of compatible dimmers on product	0-10V - 1% dimming MLV/ELV/TRIAC - 1%	dimmina, consult dimmina co	ompatibility chart

PS-UNI-W-96W

8.66"

3.73"

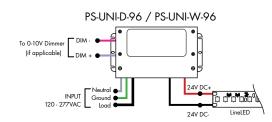
1.61"

PS-UNI-D-96W

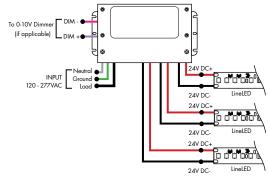
8.11″

5.60"

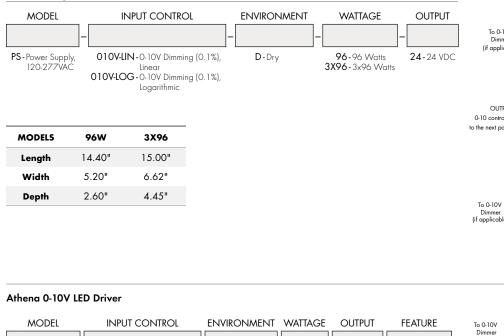
1.83"



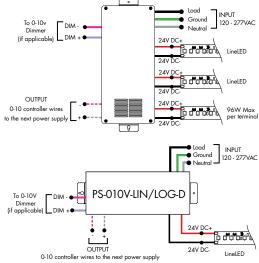
PS-UNI-D-3X96 / PS-UNI-W-3X96



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



PS-010V-LIN/LOG-D-3X96



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DIM Dimmer (if applicable) ATHENA 010V-LIN-0-10V Dimming, 24-24 VDC AWNR-Athena PS-Power Supply, D-Dry 96-96 W 24V D 120-277VAC Linear 010V-LOG-0-10V Dimming, Logarithmic L 24V DC-Linel FC 0-10 controller wires to the next power supply MODELS 96W Length 14.40" Width 5.20" Depth 2.60"

bad

Neutral

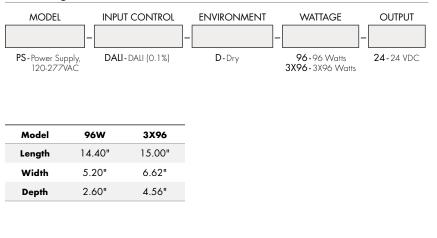
INPUT Ground

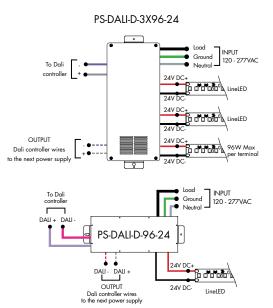
120 - 277VAC

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.

Ordering Code DALI1 Dimming Power Supplies 0.1% 120VAC - 277VAC



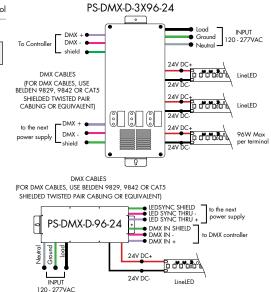


Ordering Code DMX Dimming Power Supplies 0.1% 120VAC - 277VAC Requires Zonal Control

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
-	-		-	-
PS - Power Supply, 120-277VAC	DMX- DMX (0.1%)	D-Dry	96 - 96 Watts 3X96 - 3X96 Watts	24-24 VDC

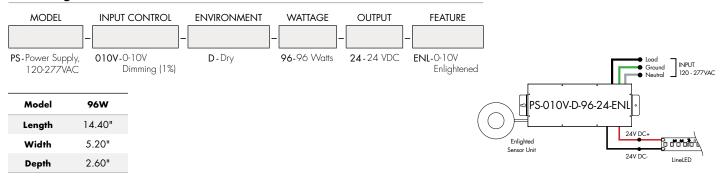
*Zonal control power supplies. Control multiple tapes/zones using DMX channels.

MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"



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Ordering Code Enlighted Enabled Dimming Power Supplies 1% 120VAC - 277VAC



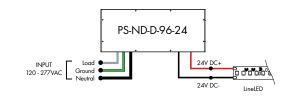
Luceo Wall - Static White

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.

Ordering Code Non-Dimming Power Supply 120VAC - 277VAC

	MODEL		INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	
		-	-		-	-	
	PS- Power St 120-277		ND-Non Dimming	D - Dry	96-96 Watts	24-24 VDC	
	120-277	VAC					
_							
	MODELS	96W					
	Length	14.40) "				
	Width	5.20'	1				
	Depth	2.60'	1				



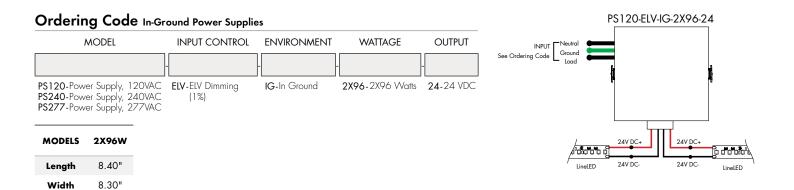
Orderina Code Phase Dimming Power Supply 1% 120VAC - 277VAC

e la		ing i onei ooppi						
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	OUTPUT CONTROL		PS-PH-D-96-24-DC	
	-	-	-	-	-]
PS -Power Supply, 120-277VAC	PH-Phase Dimming (Triac, ELV, MLV)	D-Dry	96 -96 Watts	24-24 VDC	DC - Direct Current	INPUT 120 - 277VAC		24V DC+ 24V DC- LineLED
MLV/ELV/TRIAC - 1	% dimming, consult dim	ming compatibility cl	Load	NOT OVER THE WHITE, GREE CONNECT TO ELV	N, AND BLACK WIRES,			

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

8.10"

Depth





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.

SLUTRON.

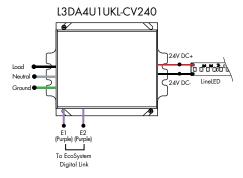
Luminii is a Lutron OEM Advantage Partner Lutron Power Supplies 1%

MODEL

L3DA4U1UKL-CV240

Hi-lume™ 1% EcoSystem Voltage LED driver 40W max

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



②LUTRON。

Luminii is a Lutron OEM Advantage Partner Lutron Power Supplies 0.1%

MODEL

L3D0-96W24V-U

Hi-lume $^{\rm TM}$ 0.1 % EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black $^{\rm TM}$ 96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"

