Linear Illumination System



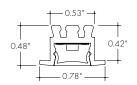




- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 48' depending on output
- Suitable for millwork, recessed, architectural reveals, and accent lighting applications
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- Dot free even illumination with frosted lens and high color outputs

- Class 2 listed for damp locations
- 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 425 lm/ft and up to 76 lm/W
- 3 Year warranty





Finish Options (see page 2 for additional information) Silver Anodized Standard Bronze White

Premium Matte Black

Warm Nickel Aged Brass Polished Gold Chrome













Technical Information

TYPE		High Color Qualit	у	High Efficacy						
OUTPUT OPTIONS	7250	72HO	72VHO	HE48LO	HE48SO	HE48MO	НЕ48НО			
Lumens Output (3000K) (with a Clear Lens)	148 lm/ft	241 lm/ft	293 lm/ft	144 lm/ft	200 lm/ft	267 lm/ft	428 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			
Efficacy	53 lm/W	50 lm/W	49 lm/W	76 lm/W	71 lm/W	76 lm/W	66 lm/W			
Max Run Length (in series)	40 ft	31 ft	22 ft	48 ft	42 ft	33 ft	21 ft			
Max Ambient Temperature*	50°C [122°F]	45°C [113°F]	35°C [95°F]		50°C [122°F]		30°C [86°F]			

^{*}Max Ambient Temperature to maintain L70 of 50k+ hours. Exceeding Max Ambient Temperature may result in decreased life/output. Consult Technical Support for specific inquiries

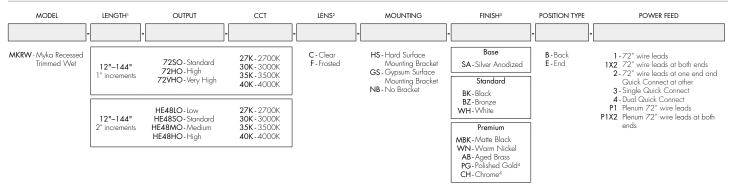
High Color Quality (72)

	Multiplier	TM-30					
ССТ	(reference - 3000K)	CRI	R_{f}	R_g	R9		
2700K	0.97	97	96	99	93		
3000K	1.00	96	95	99	92		
3500K	1.01	96	95	100	94		
4000K	1.34	97	96	102	92		

High Efficacy (HE48)

	Multiplier		TM	-30	
ССТ	(reference - 3000K)	CRI	R_{f}	R_g	R9
2700K	0.94	92	90	99	46
3000K	1.00	92	89	99	62
3500K	1.02	92	89	99	58
4000K	1.02	92	86	94	52

Ordering Code

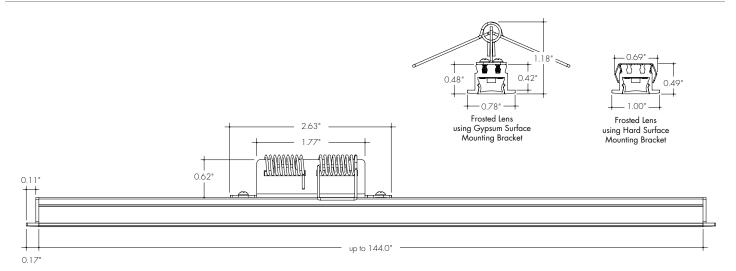


Custom lengths and increments are available, please consult Inside Sales with specific request.
 All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.

 ^{3 -} Non SA finishes may have extended lead times and price adders.
 Custom RAIs are available, please consult Inside Sales with specific reques
 4 - Polished Gold, and Chrome finishes have a maximum fixture length of 96".



Product Dimensions



Finish Options

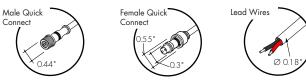
- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Silver Anodized finishes may have extended lead times and price adder.
- Polished Gold and Chrome finishes have a maximum fixture length of 96".
- Custom RALs are available, please consult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

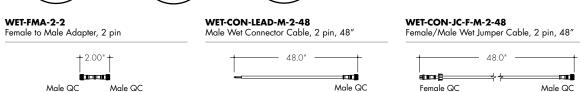


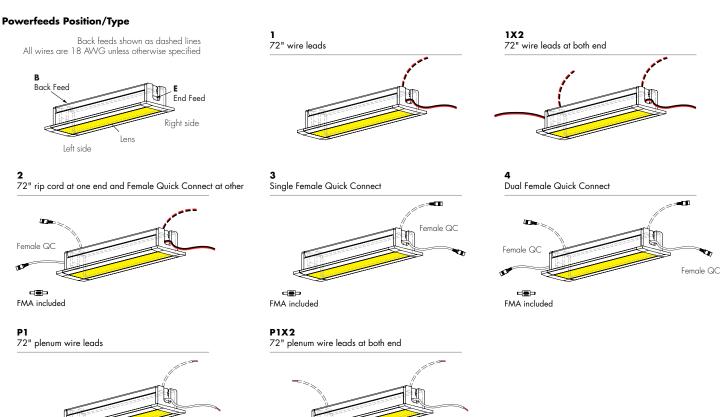


Powerfeeds and Connectors

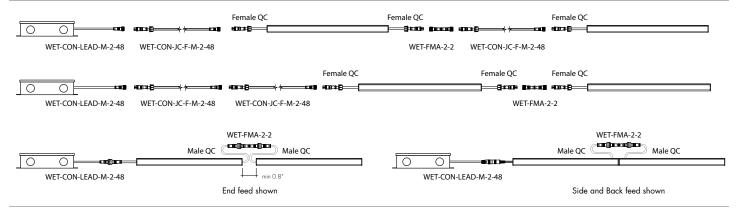
Linking and Extension Cable Options







Sample Layout





Light Transmission and Dotting

Lens/Accessory

Output Options	Clear Lens	Frosted Lens
72SO	CD	ND
72HO	CD	ND
72VHO	CD	ND
HE48LO	CD	SD
HE48SO	CD	SD
HE48MO	CD	SD
HE48HO	CD	SD
Transmission Percentage	100%	58%



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

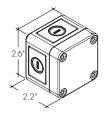
Accessory Options

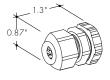
LVSP-WET

Splice box: wet rated, low voltage, gray

LVSP-WET-CM

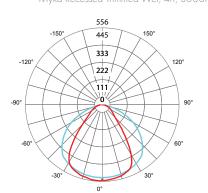
Connector for splice box, low voltage for cable management, gray.





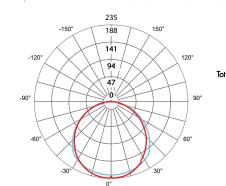
Photometry

MKRW-48-30K-72VHO-C Myka Recessed Trimmed Wet, 4ft, 3000K, 72VHO, Clear Lens
Zonal Lumen Summary 3000K



	Zone	Lumen	% Fixture	
	0-30	404	34.5%	
	0-40	655	56.0%	
	0-60	1014	86.7%	
	0-90	1156	98.8%	
Total	0-180	1170	100%	

MKRW-48-30K-72VHO-F Myka Recessed Trimmed Wet, 4ft, 3000K, 72VHO, Half-Frosted Lens



Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	175	25.8%
	0-40	291	42.8%
	0-60	522	76.8%
	0-90	672	98.8%
Total	0-180	680	100%

Beam Angle	
112°	



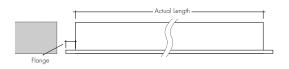
Power Consumption

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		Nominal	Actual		Watts	
Length (in)	Length	so	НО	VHO	Length (in)	Length	so	но	VHO	Length (in)	Length	SO	но	VHO	Length (in)	Length	SO	НО	VHO
12	11 5/16	2.7	4.4	6.2	47	46	10.2	1 <i>7</i> .1	22.6	82	81 15/16	18.3	29.5	38.4	117	116 11/16	25.9	40.8	52.4
13	12 7/16	2.7	4.4	6.2	48	47 3/16	10.5	17.4	23.1	83	-	-	-	-	118	117 13/16	26.1	41.1	52.8
14	13 10/16	2.9	4.8	6.7	49	48 6/16	10.7	17.8	23.5	84	83 1/16	18.5	29.8	38.8	119	119	26.3	41.4	53.2
15	14 12/16	3.1	5.2	7.3	50	49 8/16	11.1	18.6	24.4	85	84 4/16	18. <i>7</i>	30.1	39.2	120	-	_	-	_
16	15 15/16	3.4	5.6	7.8	51	50 11/16	11.4	18.9	24.9	86	85 6/16	19.2	30.8	40.0	121	120 2/16	26.5	41.7	53.6
17	-	-	_	-	52	51 13/16	11.6	19.3	25.3	87	86 9/16	19.4	31.1	40.4	122	121 5/16	26.7	42.0	54.0
18	17 1/16	3.6	6.0	8.3	53	53	11.9	19. <i>7</i>	25.7	88	87 11/16	19.6	31.5	40.8	123	122 7/16	27.1	42.6	54.7
19	18 4/16	3.9	6.5	8.9	54	_	-	_	_	89	88 14/16	19.9	31.8	41.1	124	123 10/16	27.3	42.9	55.0
20	19 6/16	4.4	7.3	9.9	55	54 2/16	12.1	20.1	26.1	90	_	-	-	-	125	124 12/16	27.5	43.1	55.4
21	20 9/16	4.6	7.7	10.5	56	55 5/16	12.3	20.5	26.6	91	90 1/16	20.1	32.2	41.5	126	125 15/16	27.7	43.4	55.7
22	21 11/16	4.8	8.1	11.0	57	56 7/16	12.8	21.3	27.4	92	91 3/16	20.4	32.5	41.9	127	-	-	-	-
23	22 14/16	5.1	8.6	11.5	58	57 10/16	13.1	21.6	27.8	93	92 6/16	20.6	32.9	42.3	128	127 1/16	27.9	43.7	56.1
24	-	-	-	-	59	58 12/16	13.3	22.0	28.3	94	93 8/16	21.1	33.6	43.1	129	128 4/16	28.1	43.9	56.4
25	24	5.3	9.0	12.1	60	59 15/16	13.6	22.4	28.7	95	94 11/16	21.3	33.9	43.4	130	129 6/16	28.5	44.5	57.1
26	25 3/16	5.6	9.4	12.6	61	_	-	-	-	96	95 13/16	21.5	34.2	43.8	131	130 9/16	28.7	44.7	57.4
27	26 6/16	5.8	9.8	13.1	62	61 1/16	13.8	22.8	29.1	97	97	21.8	34.6	44.2	132	131 11/16	28.9	45.0	57.8
28	27 8/16	6.2	10.5	14.1	63	62 4/16	14.0	23.1	29.6	98	_	-	-	-	133	132 14/16	29.1	45.3	58.1
29	28 11/16	6.5	10.9	14.5	64	63 6/16	14.5	23.8	30.5	99	98 2/16	22.0	34.9	44.6	134	-	-	_	_
30	29 13/16	6.7	11.2	15.0	65	64 9/16	14.7	24.1	31.0	100	99 5/16	22.2	35.2	45.0	135	134 1/16	29.3	45.5	58.4
31	31	6.9	11.6	15.5	66	65 11/16	14.9	24.4	31.4	101	100 7/16	22.5	35.9	45.9	136	135 3/16	29.5	45.7	58.7
32	-	-	-	-	67	66 14/16	15.1	24.7	31.9	102	101 10/16	22.7	36.2	46.3	137	136 6/16	29.6	45.9	59.1
33	32 2/16	7.1	12.0	16.0	68	_	-	-	-	103	102 12/16	22.9	36.5	46.7	138	137 8/16	30.0	46.3	59.7
34	33 5/16	7.3	12.3	16.5	69	68	15.3	25.0	32.4	104	103 15/16	23.1	36.8	47.1	139	138 11/16	30.2	46.5	60.0
35	34 7/16	7.8	13.1	17.4	70	69 3/16	15.5	25.4	32.8	105	_	-	-	-	140	139 13/16	30.3	46.8	60.3
36	35 10/16	8.0	13.4	17.9	71	70 6/16	15.8	25.7	33.3	106	105 1/16	23.3	37.1	47.5	141	141	30.5	47.0	60.6
37	36 12/16	8.2	13.8	18.4	72	71 8/16	16.2	26.3	34.2	107	106 4/16	23.5	37.4	48.0	142	-	-	-	
38	37 15/16	8.4	14.2	18.9	73	72 11/16	16.4	26.6	34.7	108	107 6/16	23.9	38.1	48.8	143	142 2/16	30.7	47.2	61.0
39	-	-	-	-	74	73 13/16	16.6	26.9	35.1	109	108 9/16	24.1	38.4	49.2	144	143 5/16	30.8	47.4	61.3
40	39 1/16	8.7	14.5	19.3	75	75	16.8	27.3	35.5	110	109 11/16	24.3	38.7	49.6					
41	40 4/16	8.9	14.9	19.8	76	_	-	-	-	111	110 14/16	24.5	39.0	50.0	=				
42	41 6/16	9.3	15.6	20.7	77	76 2/16	17.1	27.6	35.9	112	_	-	_	-					
43	42 9/16	9.6	16.0	21.2	78	77 5/16	17.3	27.9	36.3	113	112 1/16	24.8	39.3	50.4	-				
44	43 11/16	9.8	16.4	21.7	79	78 7/16	17.7	28.5	37.2	114	113 3/16	25.0	39.6	50.8					
45	44 14/16	10.0	16.7	22.1	80	79 10/16	17.9	28.9	37.6	115	114 6/16	25.2	39.9	51.2	-				
46	-	-	_	-	81	80 12/16	18.1	29.2	38.0	116	115 8/16	25.6	40.5	52.0					





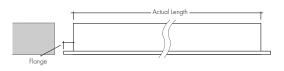
Power Consumption

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 (HE48)

Nominal	Actual		W	atts		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	Length (in)	Length	LO	so	МО	НО
12	10 14/16	1.7	2.5	3.5	5.7	47	46 14/16	6.9	10.7	13.3	24.7	82	_	_	-	-	_	117	116 14/16	17.3	27.3	33.7	57.9
13	12 14/16	1.7	2.5	3.5	5.7	48	-	-	-	_	-	83	82 14/16	12.5	19.9	23.9	42.2	118	-	-	-	_	-
14	_	_	-	-	-	49	48 14/16	<i>7</i> .1	11.2	13.9	25.4	84	_	-	-	-	_	119	118 14/16	17.5	27.7	34.3	58.7
15	14 14/16	2.0	3.0	4.0	7.2	50	-	-	-	-	_	85	84 14/16	12.8	20.3	24.5	43.1	120	-	_	-	-	-
16	_	_	_	_	_	51	50 14/16	7.4	11.7	14.5	26.3	86	_	_	_	_	_	121	120 14/16	17.8	28.1	34.9	59.6
17	16 14/16	2.4	3.5	4.6	8.7	52	-	-	-	-	-	87	86 14/16	13.1	20.8	25.1	44.1	122	_	-	-	-	-
18	-	ı	-	-	-	53	52 14/16	7.7	12.3	15.1	27.4	88	-	-	-	-	_	123	122 14/16	18.1	28.6	35.5	60.5
19	18 14/16	2.7	3.9	5.2	10.2	54	_	-	_	_	-	89	88 14/16	13.4	21.3	25.7	45.0	124	_	-	-	-	_
20	_	-	_	_	_	55	54 14/16	8.0	12.9	15.7	28.5	90	-	-	_	_	_	125	124 14/16	18.3	29.0	36.0	62.1
21	20 14/16	3.0	4.4	5.8	11. <i>7</i>	56	_	-	_	_	-	91	90 14/16	13. <i>7</i>	21.7	26.3	46.0	126	_	_	-	-	_
22	_	-	_	_	_	57	56 14/16	8.4	13.5	16.4	29.5	92	-	-	_	_	_	127	126 14/16	18.4	29.5	36.6	63.8
23	22 14/16	3.4	4.9	6.4	13.2	58	_	-	-	-	-	93	92 14/16	14.0	22.1	26.9	47.0	128	_	-	_	-	_
24	_	-	-	-	-	59	58 14/16	8.7	14.0	17.0	30.6	94	_	-	-	-	-	129	128 14/16	18.6	29.9	37.2	65.4
25	24 14/16	3.7	5.4	7.0	14.7	60	_	-	-	-	-	95	94 14/16	14.3	22.6	27.5	47.9	130	_	-	_	-	_
26	_	-	-	-	-	61	60 14/16	9.0	14.6	17.6	31.6	96	_	-	_	-	-	131	130 14/16	18.8	30.4	37.7	67.0
27	26 14/16	4.1	5.9	7.5	15.8	62	-	-	-	-	-	97	96 14/16	14.4	22.8	27.8	48.4	132	_	-	-	-	_
28	_	-	-	-	-	63	62 14/16	9.4	15.2	18.2	32.6	98	-	-	-	-	-	133	132 14/16	18.9	30.8	38.3	68.6
29	28 14/16	4.4	6.4	8.1	16.8	64	-	-	-	-	-	99	98 14/16	14.7	23.3	28.5	49.4	134	_	-	-	-	_
30	-	-	-	-	-	65	64 14/16	9.7	15.6	18.7	33.7	100	-	-	-	-	_	135	134 14/16	19.1	31.2	38.9	70.2
31	30 14/16	4.8	6.9	8.7	17.9	66	-	-	-	-	-	101	100 14/16	15.0	23.7	29.0	50.4	136	_	-	-	-	_
32	-	-	_	_	_	67	66 14/16	10.0	16.1	19.2	34.7	102	-	-	_	-	_	137	136 14/16	19.3	31.8	39.4	70.7
33	32 14/16	5.0	7.2	9.0	18.5	68	-	-	_	-	-	103	102 14/16	15.3	24.1	29.6	51.3	138	-	-	-	-	_
34	-	-	-	-	-	69	68 14/16	10.4	16.5	19.8	35.7	104	-	-	-	-	_	139	138 14/16	19.5	32.3	40.0	71.2
35	34 14/16	5.4	7.7	9.6	19.5	70	-	-	_	_	-	105	104 14/16	15.6	24.6	30.2	52.3	140	-	-	-	-	_
36	-	-	-	-	-	71	70 14/16	10.7	17.0	20.3	36.7	106	-	-	_	_	_	141	140 14/16	19.8	32.8	40.6	71.8
37	36 14/16	5.7	8.2	10.2	20.6	72	-	-	_	_	_	107	106 14/16	15.8	25.0	30.7	53.2	142	-	_	_	-	_
38	_	-	-	-	-	73	72 14/16	11.0	17.4	20.8	37.7	108	_	-	-	-	-	143	142 14/16	20.0	33.3	41.1	72.3
39	38 14/16	6.0	8.7	10.8	21.5	74	_	-	-	-	-	109	108 14/16	16.1	25.5	31.3	54.2	144	-	-	-	-	-
40	-	-	-	-	-	75	74 14/16	11.3	17.9	21.4	38.7	110	_	-	-	-	-	-					
41	40 14/16	6.2	9.2	11.4	22.3	76	_	-	_	_	-	111	110 14/16	16.4	25.9	31.9	55.2	_					
42	-	_	-	_	-	77	76 14/16	11.6	18.4	22.0	39.6	112	_	-	_	-	-	-					
43	42 14/16	6.4	9.7	12.0	23.1	78	-	-	_	_	-	113	112 14/16	16.7	26.4	32.5	56.1	_					
44	-	_	-	_	-	79	78 14/16	11.9	18.9	22.7	40.5	114		-	-	-	-	-					
45	44 14/16	6.7	10.2	12.6	23.9	80	-	-	-	-	-	115	114 14/16	17.0	26.8	33.1	57.0	=					
46	-	_	_	-	-	81	80 14/16	12.2	19.4	23.3	41.4	116	-	-	-	_	-						





Voltage Drop Calculator

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

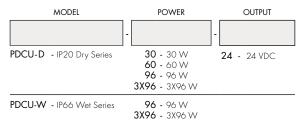
Wattage		Maxi	mum Wire Lengtl	n From Power Su	pply to Start of R	un [ft]	
[W]	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
10	544.1	342.2	215.1	135.3	85.1	53.5	33.7
15	362.7	228.1	143.4	90.2	56.7	35.7	22.4
20	272.0	171.1	107.6	67.7	42.6	26.8	16.8
25	217.6	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



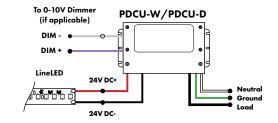
Power Supplies

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 <u>Compatible Dimming Chart</u> 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

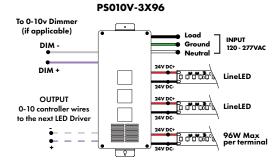


OUTPUT

0-10 controller wires to the next LED Driver

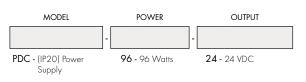
.1%	3X96 - 3 X 90	o vvati	100-	Logarimmic	
To 0-10v I (if appli	cable)	PS010V-96	•	Load Ground Neutral	





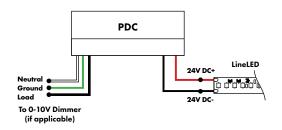
Triac, MLV, & ELV Compatible Dimmers

DIM +

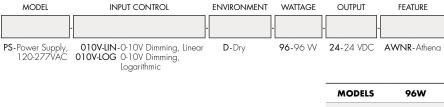


MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"

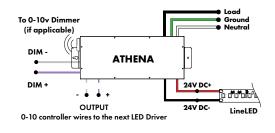
LineLED



Athena 0-10V LED Driver



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





Power Supplies

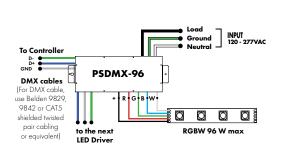
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

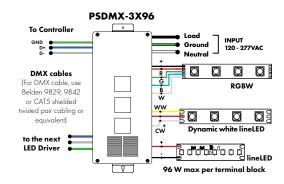
DMX Dimming Power Supplies 120VAC - 277VAC



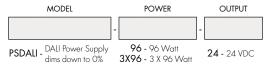
Features eldoLED's LINEARdrive configurable dimmable drivers

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



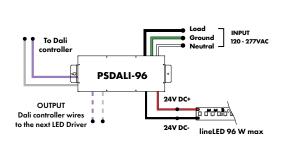


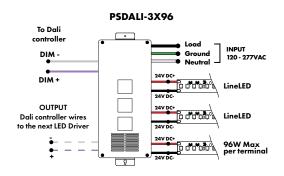
DALI 0% Dimming Power Supplies 120VAC - 277VAC



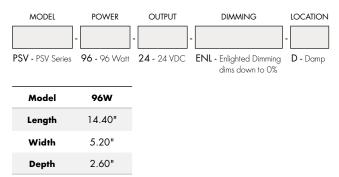
Features eldoLED's LINEARdrive configurable dimmable drivers

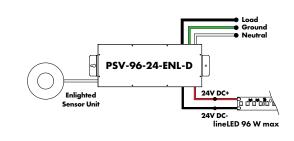
Model	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"





Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC



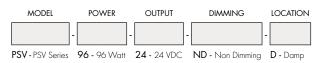




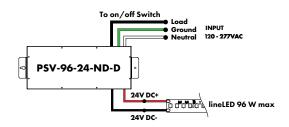
Power Supplies

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

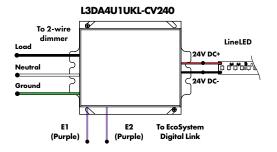
Lutron Power Supplies 1%

MODEL

L3DA4U1UKL-CV240

 $Hi\text{-lume}^{TM}$ 1% EcoSystem Voltage LED driver 40W max

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



\$\$LUTRON

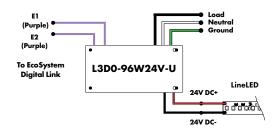
Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 0.1%

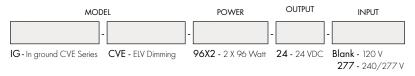
MODEL

L3D0-96W24V-U	
Hi-lume™ 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



Dims down to 0%

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

