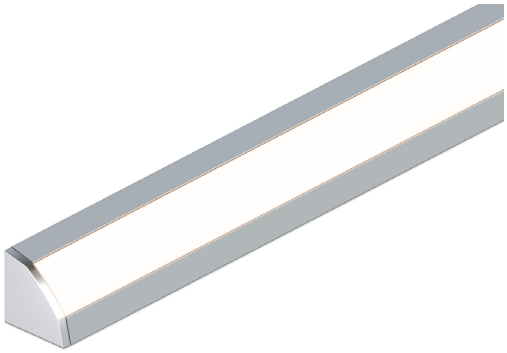
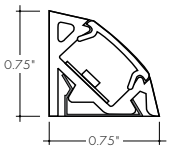


Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 48' depending on output
- Suitable for undercabinet, casework/ millwork, surface mount, direct view, cove, curtain pocket, toe kick, architectural reveals, banister/handrail, and accent lighting applications
- Approved for closet/storage space installation per NEC 410.16(A) (3) and 410.16(C)(5) on outputs 5.7 W/ft or less
- 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 910 lm/ft and up to 115 lm/W
- Average Life (L70): 50,000hrs
- 7 year warranty



Finish Options (see page 3 for additional information)

Base	Silver Anodized				
Powder Coat	Black	Bronze	White		
Premium	Matte Black	Warm Nickel	Aged Brass	Polished Gold	Chrome

Technical Information

TYPE	High Color Quality			High Efficacy				High Efficacy	
OUTPUT OPTIONS	**72SO**	**72HO**	**72VHO**	**HE48LO**	**HE48SO**	**HE48MO**	**HE48HO**	**HE64VHO**	**HE64XHO**
Lumens Output (3000K) (with a Clear Lens)	222 lm/ft	361 lm/ft	439 lm/ft	217 lm/ft	300 lm/ft	401 lm/ft	643 lm/ft	813 lm/ft	915 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	9.6 W/ft
Efficacy	79 lm/W	75 lm/W	73 lm/W	114 lm/W	107 lm/W	115 lm/W	99 lm/W	108 lm/W	95 lm/W
Max Run Length (in series)	40 ft	31 ft	22 ft	48 ft	42 ft	33 ft	21 ft	15 ft	13 ft
Ambient Operating Temperature Range*	-5°F – 125°F (- 20°C – 50°C)			-5°F – 125°F (- 20°C – 50°C)				-5°F – 115°F (- 20°C – 45°C)	-5°F – 95°F (- 20°C – 35°C)

*Ambient Operating Temperature Range to maintain L70 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)

CCT	Multiplier (reference - 3000K)	TM-30 CRI	R_f	R_g	R_9
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)

CCT	Multiplier (reference - 3000K)	TM-30 CRI	R_f	R_g	R_9
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

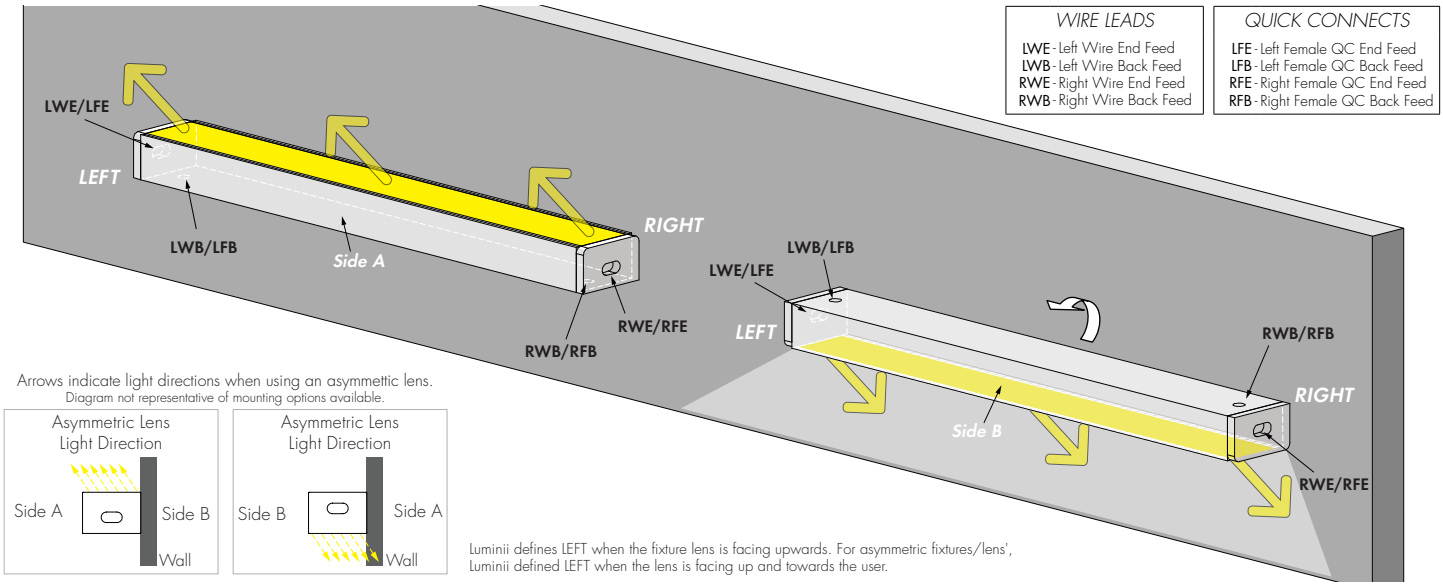
Ordering Code

MODEL	LENGTH[1]	OUTPUT[2]	CCT	LENS	MOUNTING	FINISH[3]	FEED POSITION LEFT[5]	FEED POSITION RIGHT[5]
K45M - Kendo 45M	12"–144" 1" increments	72SO - Standard 72HO - High 72VHO - Very High	19K - 1900K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	C - Clear Lens HF - Half-Frosted F - Frosted 13 - 13° Semi-Frosted	CB - Concealed Bracket	*BASE* SA - Silver Anodized *POWDER COAT* BK - Black BZ - Bronze WH - White	*WIRE LEADS (72")* LWE - Wire End Feed LWB - Wire Back Feed LNPF - No Power Feed	*WIRE LEADS (72")* RWE - Wire End Feed RWB - Wire Back Feed RNPF - No Power Feed
	12"–144" 2" increments	HE48LO - Low HE48SO - Standard HE48MO - Medium HE48HO - High HE64VHO - Very High HE64XHO - Max	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")* LFE - Female Q/C, End Feed LFB - Female Q/C, Back Feed LNPF - No Power Feed	*QUICK CONNECTS (4")* RFE - Female Q/C, End Feed RFB - Female Q/C, Back Feed RNPF - No Power Feed

1 - 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.
3 - Non Base finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
4 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".
5 - LNPF - RNPF is not a valid configuration option

Powerfeeds and Connectors

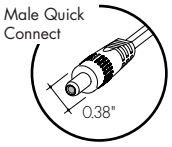
Power Feed Position Options and Orientation



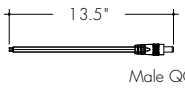
Arrows indicate light directions when using an asymmettic lens.
Diagram not representative of mounting options available.

Luminii defines LEFT when the fixture lens is facing upwards. For asymmetric fixtures/lens', Luminii defined LEFT when the lens is facing up and towards the user.

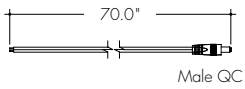
Linking and Extension Cable Options

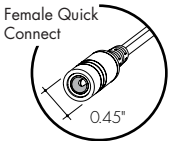


LMC-12
Male quick-connect, 2 pin, 12"

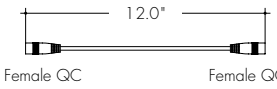


LMC-70
Male quick-connect long, 2 pin, 70"

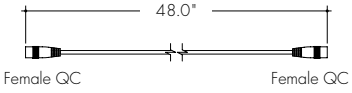




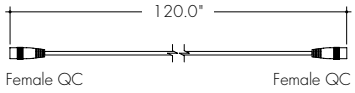
EC-12
Female to Female Extension Cable, 2 pin, 12"

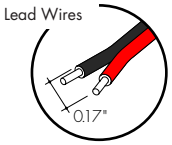


EC-48
Female to Female Extension Cable, 2 pin, 48"

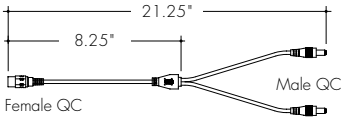


EC-120
Female to Female Extension Cable, 2 pin, 120"

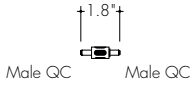




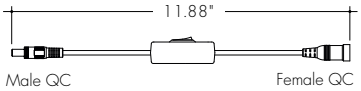
LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12"

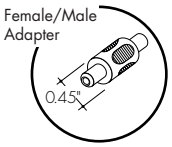


FMA
Female to male adapter

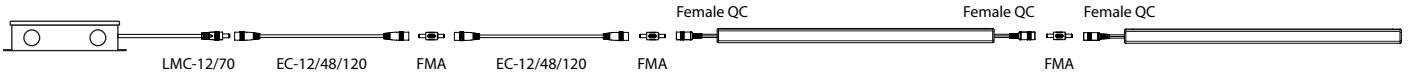


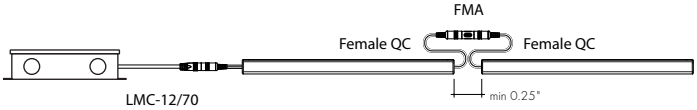
IS-DC
Male to Female Inline DC Switch, 2 pin, 12"



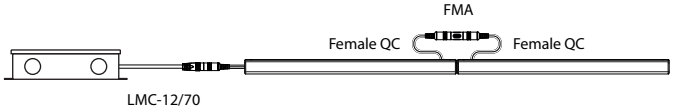


Sample Layout



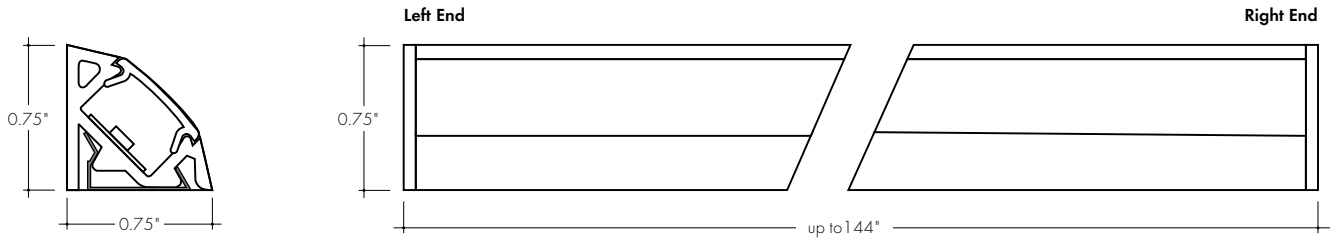


End feed shown



Back feed shown

Product Dimensions



Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Base 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.

Silver Anodized
Base

Silver Anodized is a soft silver with a clear finish.

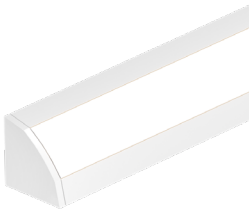
Black
Powder Coat

Black is a true deep black with a glossy finish.

Bronze
Powder Coat

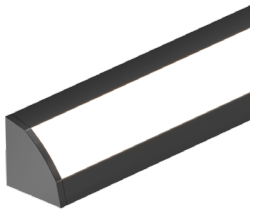
Bronze is a rich, dark brown with a satin finish.

White
Powder Coat



White is a polar bright white and field paintable.

Matte Black
Premium



Matte Black is a dark, pitch-black with a soft flat finish.

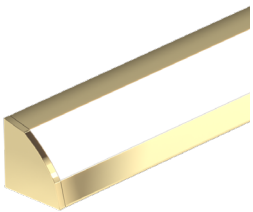
Warm Nickel
Premium

Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass
Premium

Aged Brass is a deep brown shade with slightly golden undertones.

Polished Gold
Premium



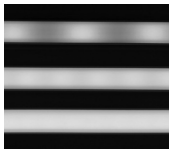
Polished Gold is bright and radiant for a brilliant finish.

Chrome
Premium

Chrome is a highly reflective silver polish.

Light Transmission and Dotting

	Lens/Accessory															
Output Options	**Clear**				**13° Semi-Frosted**				**Half-Frosted**				**Frosted**			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%
72SO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
72HO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
72VHO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
HE48LO	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE48SO	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE48MO	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE48HO	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE64VHO	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE64XHO	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
Transmission Percentage	100%				94%				83%				55%			



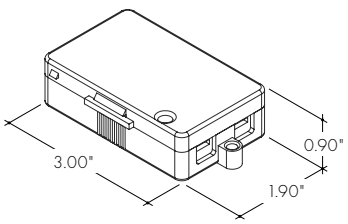
CD - Clear Dotting

SD - Slight Dotting

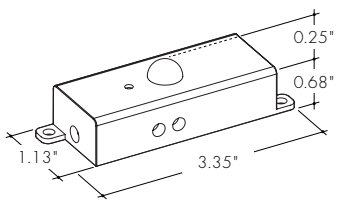
ND - No Dotting

Accessory Options

LVSP-4T-BK
Low Voltage, 4 Terminal Splice Box, Black

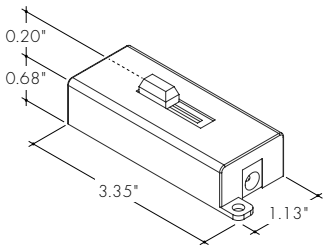


OS-DC-F4-BK
Occupancy Sensor



Male Quick Connect, FMA, LMC*, LYC, or IS-DC are required for input and output.

DIM-DC-F4-BK
24VDC Low Voltage In-line Dimmer Module

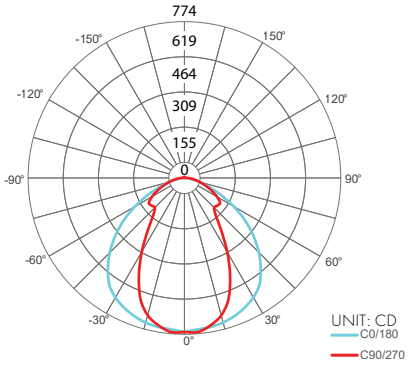


Male Quick Connect, FMA, LMC*, LYC, or IS-DC are required for input and output.

Photometry

K45M-48-72VHO-30K-C

Kendo 45M, 4ft, 3000K, VHO, Clear Lens



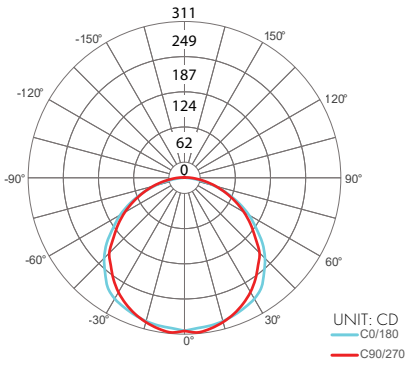
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	586	33.3%
0-40	912	51.9%
0-60	1433	81.5%
0-90	1734	98.7%
Total 0-180	1757	100%

Beam Angle: 69°

K45M-48-72VHO-30K-F

Kendo 45M, 4ft, 3000K, VHO, Frosted Lens



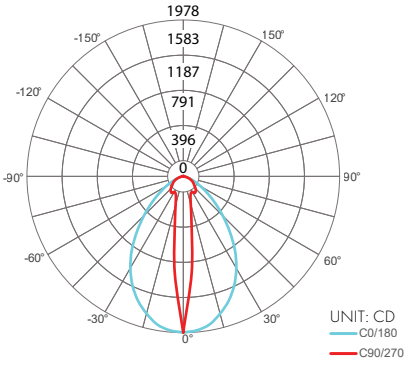
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	245	25.1%
0-40	407	41.8%
0-60	738	75.8%
0-90	960	98.6%
Total 0-180	975	100%

Beam Angle: 115°

K45M-48-72VHO-30K-13

Kendo 45M, 4ft, 3000K, VHO, 13 degree



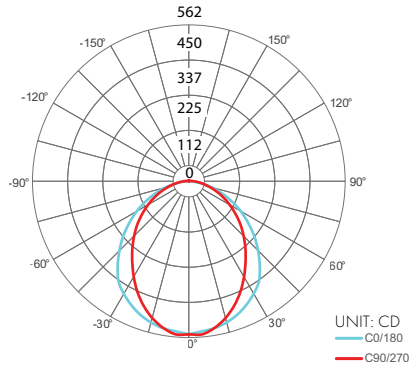
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	663	40.3%
0-40	927	56.4%
0-60	1367	83.2%
0-90	1607	97.7%
Total 0-180	1644	100%

Beam Angle: 14°

K45M-48-72VHO-30K-HF

Kendo 45M, 4ft, 3000K, VHO, Half Frosted Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	419	28.8%
0-40	674	46.2%
0-60	1147	78.7%
0-90	1438	98.7%
Total 0-180	1457	100%

Beam Angle: 94°

Power Consumption

Tested at Full Power with PS-UNI Series power supplies.
*For Back Feed add 4/16" (1/4") to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Color Quality (72)

Nominal Length (in)	End Feed Actual Length*	Watts			Nominal Length (in)	End Feed Actual Length*	Watts			Nominal Length (in)	End Feed Actual Length*	Watts			Nominal Length (in)	End Feed Actual Length*	Watts		
		SO	HO	VHO			SO	HO	VHO			SO	HO	VHO			SO	HO	VHO
12	11 1/16	2.7	4.4	6.2	**47**	46 15/16	10.5	17.4	23.1	**82**	81 11/16	18.3	29.5	38.4	**117**	116 7/16	25.9	40.8	52.4
13	12 3/16	2.7	4.4	6.2	**48**	–	–	–	–	**83**	82 13/16	18.5	29.8	38.8	**118**	117 9/16	26.1	41.1	52.8
14	13 6/16	2.9	4.8	6.7	**49**	48 2/16	10.7	17.8	23.5	**84**	84	18.7	30.1	39.2	**119**	118 12/16	26.3	41.4	53.2
15	14 8/16	3.1	5.2	7.3	**50**	49 4/16	11.1	18.6	24.4	**85**	–	–	–	–	**120**	119 14/16	26.5	41.7	53.6
16	15 11/16	3.4	5.6	7.8	**51**	50 7/16	11.4	18.9	24.9	**86**	85 2/16	19.2	30.8	40.0	**121**	–	–	–	–
17	16 13/16	3.6	6.0	8.3	**52**	51 9/16	11.6	19.3	25.3	**87**	86 5/16	19.4	31.1	40.4	**122**	121 1/16	26.7	42.0	54.0
18	18	3.9	6.5	8.9	**53**	52 12/16	11.9	19.7	25.7	**88**	87 8/16	19.6	31.5	40.8	**123**	122 3/16	27.1	42.6	54.7
19	–	–	–	–	**54**	53 14/16	12.1	20.1	26.1	**89**	88 10/16	19.9	31.8	41.1	**124**	123 6/16	27.3	42.9	55.0
20	19 2/16	4.4	7.3	9.9	**55**	–	–	–	–	**90**	89 13/16	20.1	32.2	41.5	**125**	124 8/16	27.5	43.1	55.4
21	20 5/16	4.6	7.7	10.5	**56**	55 1/16	12.3	20.5	26.6	**91**	90 15/16	20.4	32.5	41.9	**126**	125 11/16	27.7	43.4	55.7
22	21 7/16	4.8	8.1	11.0	**57**	56 3/16	12.8	21.3	27.4	**92**	–	–	–	–	**127**	126 13/16	27.9	43.7	56.1
23	22 10/16	5.1	8.6	11.5	**58**	57 6/16	13.1	21.6	27.8	**93**	92 2/16	20.6	32.9	42.3	**128**	128	28.1	43.9	56.4
24	23 13/16	5.3	9.0	12.1	**59**	58 8/16	13.3	22.0	28.3	**94**	93 4/16	21.1	33.6	43.1	**129**	–	–	–	–
25	24 15/16	5.6	9.4	12.6	**60**	59 11/16	13.6	22.4	28.7	**95**	94 7/16	21.3	33.9	43.4	**130**	129 3/16	28.5	44.5	57.1
26	–	–	–	–	**61**	60 13/16	13.8	22.8	29.1	**96**	95 9/16	21.5	34.2	43.8	**131**	130 5/16	28.7	44.7	57.4
27	26 2/16	5.8	9.8	13.1	**62**	62	14.0	23.1	29.6	**97**	96 12/16	21.8	34.6	44.2	**132**	131 8/16	28.9	45.0	57.8
28	27 4/16	6.2	10.5	14.1	**63**	–	–	–	–	**98**	97 14/16	22.0	34.9	44.6	**133**	132 10/16	29.1	45.3	58.1
29	28 7/16	6.5	10.9	14.5	**64**	63 2/16	14.5	23.8	30.5	**99**	–	–	–	–	**134**	133 13/16	29.3	45.5	58.4
30	29 9/16	6.7	11.2	15.0	**65**	64 5/16	14.7	24.1	31.0	**100**	99 1/16	22.2	35.2	45.0	**135**	134 15/16	29.5	45.7	58.7
31	30 12/16	6.9	11.6	15.5	**66**	65 8/16	14.9	24.4	31.4	**101**	100 3/16	22.5	35.9	45.9	**136**	–	–	–	–
32	31 14/16	7.1	12.0	16.0	**67**	66 10/16	15.1	24.7	31.9	**102**	101 6/16	22.7	36.2	46.3	**137**	136 2/16	29.6	45.9	59.1
33	–	–	–	–	**68**	67 13/16	15.3	25.0	32.4	**103**	102 8/16	22.9	36.5	46.7	**138**	137 4/16	30.0	46.3	59.7
34	33 1/16	7.3	12.3	16.5	**69**	68 15/16	15.5	25.4	32.8	**104**	103 11/16	23.1	36.8	47.1	**139**	138 7/16	30.2	46.5	60.0
35	34 3/16	7.8	13.1	17.4	**70**	–	–	–	–	**105**	104 13/16	23.3	37.1	47.5	**140**	139 9/16	30.3	46.8	60.3
36	35 6/16	8.0	13.4	17.9	**71**	70 2/16	15.8	25.7	33.3	**106**	106	23.5	37.4	48.0	**141**	140 12/16	30.5	47.0	60.6
37	36 8/16	8.2	13.8	18.4	**72**	71 4/16	16.2	26.3	34.2	**107**	–	–	–	–	**142**	141 14/16	30.7	47.2	61.0
38	37 11/16	8.4	14.2	18.9	**73**	72 7/16	16.4	26.6	34.7	**108**	107 2/16	23.9	38.1	48.8	**143**	–	–	–	–
39	38 13/16	8.7	14.5	19.3	**74**	73 9/16	16.6	26.9	35.1	**109**	108 5/16	24.1	38.4	49.2	**144**	143 1/16	30.8	47.4	61.3
40	40	8.9	14.9	19.8	**75**	74 12/16	16.8	27.3	35.5	**110**	109 8/16	24.3	38.7	49.6					
41	–	–	–	–	**76**	75 14/16	17.1	27.6	35.9	**111**	110 10/16	24.5	39.0	50.0					
42	41 2/16	9.3	15.6	20.7	**77**	–	–	–	–	**112**	111 13/16	24.8	39.3	50.4					
43	42 5/16	9.6	16.0	21.2	**78**	77 1/16	17.3	27.9	36.3	**113**	112 15/16	25.0	39.6	50.8					
44	43 8/16	9.8	16.4	21.7	**79**	78 3/16	17.7	28.5	37.2	**114**	–	–	–	–					
45	44 10/16	10.0	16.7	22.1	**80**	79 6/16	17.9	28.9	37.6	**115**	114 2/16	25.2	39.9	51.2					
46	45 13/16	10.2	17.1	22.6	**81**	80 8/16	18.1	29.2	38.0	**116**	115 4/16	25.6	40.5	52.0					

Power Consumption

Tested at Full Power with PS-UNI Series power supplies.
*For Back Feed add 4/16" (1/4") to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Efficacy (HE48)

Nominal Length (in)	End Feed Actual Length*	Watts				Nominal Length (in)	End Feed Actual Length*	Watts				Nominal Length (in)	End Feed Actual Length*	Watts				Nominal Length (in)	End Feed Actual Length*	Watts			
		LO	SO	MO	HO			LO	SO	MO	HO			LO	SO	MO	HO			LO	SO	MO	HO
12	10 7/16	1.7	2.5	3.5	5.7	**47**	–	–	–	–	–	**82**	81 5/16	12.5	19.9	23.9	42.2	**117**	116 12/16	17.5	27.7	34.3	58.7
13	12 7/16	1.7	2.5	3.5	5.7	**48**	47 14/16	7.1	11.2	13.9	25.4	**83**	–	–	–	–	–	**118**	–	–	–	–	–
14	–	–	–	–	–	**49**	–	–	–	–	–	**84**	83 5/16	12.8	20.3	24.5	43.1	**119**	118 12/16	17.8	28.1	34.9	59.6
15	14 6/16	2.0	3.0	4.0	7.2	**50**	49 13/16	7.4	11.7	14.5	26.3	**85**	–	–	–	–	–	**120**	–	–	–	–	–
16	–	–	–	–	–	**51**	–	–	–	–	–	**86**	85 4/16	13.1	20.8	25.1	44.1	**121**	120 11/16	18.1	28.6	35.5	60.5
17	16 6/16	2.4	3.5	4.6	8.7	**52**	51 13/16	7.7	12.3	15.1	27.4	**87**	–	–	–	–	–	**122**	–	–	–	–	–
18	–	–	–	–	–	**53**	–	–	–	–	–	**88**	87 4/16	13.4	21.3	25.7	45.0	**123**	122 11/16	18.3	29.0	36.0	62.1
19	18 5/16	2.7	3.9	5.2	10.2	**54**	53 12/16	8.0	12.9	15.7	28.5	**89**	–	–	–	–	–	**124**	–	–	–	–	–
20	–	–	–	–	–	**55**	–	–	–	–	–	**90**	89 3/16	13.7	21.7	26.3	46.0	**125**	124 10/16	18.4	29.5	36.6	63.8
21	20 5/16	3.0	4.4	5.8	11.7	**56**	55 12/16	8.4	13.5	16.4	29.5	**91**	–	–	–	–	–	**126**	–	–	–	–	–
22	–	–	–	–	–	**57**	–	–	–	–	–	**92**	91 3/16	14.0	22.1	26.9	47.0	**127**	126 10/16	18.6	29.9	37.2	65.4
23	22 4/16	3.4	4.9	6.4	13.2	**58**	57 11/16	8.7	14.0	17.0	30.6	**93**	–	–	–	–	–	**128**	–	–	–	–	–
24	–	–	–	–	–	**59**	–	–	–	–	–	**94**	93 2/16	14.3	22.6	27.5	47.9	**129**	128 9/16	18.8	30.4	37.7	67.0
25	24 4/16	3.7	5.4	7.0	14.7	**60**	59 11/16	9.0	14.6	17.6	31.6	**95**	–	–	–	–	–	**130**	–	–	–	–	–
26	–	–	–	–	–	**61**	–	–	–	–	–	**96**	95 2/16	14.4	22.8	27.8	48.4	**131**	130 9/16	18.9	30.8	38.3	68.6
27	26 3/16	4.1	5.9	7.5	15.8	**62**	61 10/16	9.4	15.2	18.2	32.6	**97**	–	–	–	–	–	**132**	–	–	–	–	–
28	–	–	–	–	–	**63**	–	–	–	–	–	**98**	97 1/16	14.7	23.3	28.5	49.4	**133**	132 8/16	19.1	31.2	38.9	70.2
29	28 3/16	4.4	6.4	8.1	16.8	**64**	63 10/16	9.7	15.6	18.7	33.7	**99**	–	–	–	–	–	**134**	–	–	–	–	–
30	–	–	–	–	–	**65**	–	–	–	–	–	**100**	99 1/16	15.0	23.7	29.0	50.4	**135**	134 8/16	19.3	31.8	39.4	70.7
31	30 2/16	4.8	6.9	8.7	17.9	**66**	65 9/16	10.0	16.1	19.2	34.7	**101**	–	–	–	–	–	**136**	–	–	–	–	–
32	–	–	–	–	–	**67**	–	–	–	–	–	**102**	101	15.3	24.1	29.6	51.3	**137**	136 7/16	19.5	32.3	40.0	71.2
33	32 2/16	5.0	7.2	9.0	18.5	**68**	67 9/16	10.4	16.5	19.8	35.7	**103**	103	15.6	24.6	30.2	52.3	**138**	–	–	–	–	–
34	–	–	–	–	–	**69**	–	–	–	–	–	**104**	–	–	–	–	–	**139**	138 7/16	19.8	32.8	40.6	71.8
35	34 1/16	5.4	7.7	9.6	19.5	**70**	69 8/16	10.7	17.0	20.3	36.7	**105**	104 15/16	15.8	25.0	30.7	53.2	**140**	–	–	–	–	–
36	–	–	–	–	–	**71**	–	–	–	–	–	**106**	–	–	–	–	–	**141**	140 6/16	20.0	33.3	41.1	72.3
37	36 1/16	5.7	8.2	10.2	20.6	**72**	71 8/16	11.0	17.4	20.8	37.7	**107**	106 15/16	16.1	25.5	31.3	54.2	**142**	–	–	–	–	–
38	–	–	–	–	–	**73**	–	–	–	–	–	**108**	–	–	–	–	–	**143**	142 6/16	20.2	33.9	41.7	72.8
39	38	6.0	8.7	10.8	21.5	**74**	73 7/16	11.3	17.9	21.4	38.7	**109**	108 14/16	16.4	25.9	31.9	55.2	**144**	–	–	–	–	–
40	40	6.2	9.2	11.4	22.3	**75**	–	–	–	–	–	**110**	–	–	–	–	–						
41	–	–	–	–	–	**76**	75 7/16	11.6	18.4	22.0	39.6	**111**	110 14/16	16.7	26.4	32.5	56.1						
42	41 15/16	6.4	9.7	12.0	23.1	**77**	–	–	–	–	–	**112**	–	–	–	–	–						
43	–	–	–	–	–	**78**	77 6/16	11.9	18.9	22.7	40.5	**113**	112 13/16	17.0	26.8	33.1	57.0						
44	43 15/16	6.7	10.2	12.6	23.9	**79**	–	–	–	–	–	**114**	–	–	–	–	–						
45	–	–	–	–	–	**80**	79 6/16	12.2	19.4	23.3	41.4	**115**	114 13/16	17.3	27.3	33.7	57.9						
46	45 14/16	6.9	10.7	13.3	24.7	**81**	–	–	–	–	–	**116**	–	–	–	–	–						

Power Consumption

Tested at Full Power with PS-UNI Series power supplies.
*For Back Feed add 4/16" (1/4") to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Efficacy (HE64)

Nominal Length (in)	End Feed Actual Length*	Watts		Nominal Length (in)	End Feed Actual Length*	Watts		Nominal Length (in)	End Feed Actual Length*	Watts		Nominal Length (in)	End Feed Actual Length*	Watts	
		VHO	XHO			VHO	XHO			VHO	XHO			VHO	XHO
12	11 4/16	7.6	9.7	**47**	46 1/16	28.2	35.9	**82**	–	–	–	**117**	–	–	–
13	12 12/16	7.6	9.7	**48**	47 9/16	29.5	37.6	**83**	82 6/16	51.7	63.4	**118**	117 4/16	72.8	80.7
14	–	–	–	**49**	–	–	–	**84**	83 15/16	52.3	63.8	**119**	118 12/16	73.3	81.0
15	14 4/16	8.9	11.3	**50**	49 1/16	30.1	38.4	**85**	–	–	–	**120**	–	–	–
16	15 12/16	9.5	12.1	**51**	50 10/16	31.4	40.2	**86**	85 7/16	53.6	64.7	**121**	120 4/16	74.4	81.7
17	–	–	–	**52**	–	–	–	**87**	86 15/16	54.2	65.3	**122**	121 12/16	74.8	82.0
18	17 5/16	10.7	13.6	**53**	52 2/16	32.0	41.1	**88**	–	–	–	**123**	–	–	–
19	18 13/16	11.4	14.4	**54**	53 10/16	33.3	42.9	**89**	88 7/16	55.5	66.3	**124**	123 4/16	75.6	82.5
20	–	–	–	**55**	–	–	–	**90**	89 15/16	56.2	66.8	**125**	124 13/16	76.0	82.8
21	20 5/16	12.6	16.0	**56**	55 2/16	34.0	43.8	**91**	–	–	–	**126**	–	–	–
22	21 13/16	13.2	16.8	**57**	56 10/16	35.2	45.5	**92**	91 8/16	57.5	67.9	**127**	126 5/16	76.8	83.4
23	–	–	–	**58**	–	–	–	**93**	93	58.2	68.4	**128**	127 13/16	77.2	83.6
24	23 5/16	14.5	18.3	**59**	58 3/16	36.5	47.3	**94**	–	–	–	**129**	–	–	–
25	24 14/16	15.1	19.1	**60**	59 11/16	37.2	48.2	**95**	94 8/16	59.5	69.5	**130**	129 5/16	78.0	84.2
26	–	–	–	**61**	–	–	–	**96**	–	–	–	**131**	130 14/16	78.4	84.5
27	26 6/16	16.4	20.7	**62**	61 3/16	38.4	50.0	**97**	96	60.1	70.0	**132**	–	–	–
28	27 14/16	17.0	21.4	**63**	62 11/16	39.1	50.8	**98**	97 9/16	61.4	71.1	**133**	132 6/16	79.2	85.0
29	–	–	–	**64**	–	–	–	**99**	–	–	–	**134**	133 14/16	79.6	85.4
30	29 6/16	18.2	23.0	**65**	64 4/16	40.4	52.5	**100**	99 1/16	62.0	71.7	**135**	–	–	–
31	30 15/16	18.9	23.8	**66**	65 12/16	41.0	53.4	**101**	100 9/16	63.2	72.9	**136**	135 6/16	80.3	86.2
32	–	–	–	**67**	–	–	–	**102**	–	–	–	**137**	136 14/16	80.6	86.6
33	32 7/16	20.1	25.3	**68**	67 4/16	42.3	55.1	**103**	102 1/16	63.8	73.5	**138**	–	–	–
34	33 15/16	20.7	26.1	**69**	68 12/16	42.9	55.9	**104**	103 9/16	65.0	74.7	**139**	138 7/16	81.3	87.5
35	–	–	–	**70**	–	–	–	**105**	–	–	–	**140**	139 15/16	81.7	87.9
36	35 7/16	22.0	27.6	**71**	70 4/16	44.2	57.6	**106**	105 2/16	65.6	75.3	**141**	–	–	–
37	36 15/16	22.6	28.4	**72**	71 13/16	44.9	58.5	**107**	106 10/16	66.8	76.5	**142**	141 7/16	82.4	88.7
38	–	–	–	**73**	–	–	–	**108**	–	–	–	**143**	142 15/16	82.7	89.1
39	38 8/16	23.9	30.1	**74**	73 5/16	46.1	59.7	**109**	108 2/16	67.4	77.1	**144**	–	–	–
40	40	24.5	30.9	**75**	74 13/16	46.7	60.1	**110**	109 10/16	68.5	78.0				
41	–	–	–	**76**	–	–	–	**111**	–	–	–				
42	41 8/16	25.7	32.6	**77**	76 5/16	48.0	60.9	**112**	111 3/16	69.6	78.7				
43	–	–	–	**78**	77 14/16	48.6	61.3	**113**	112 11/16	70.1	79.0				
44	43	26.4	33.4	**79**	–	–	–	**114**	–	–	–				
45	44 9/16	27.6	35.1	**80**	79 6/16	49.8	62.2	**115**	114 3/16	71.2	79.7				
46	–	–	–	**81**	80 14/16	50.4	62.6	**116**	115 11/16	71.7	80.0				

Voltage Drop Calculator

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

Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	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.

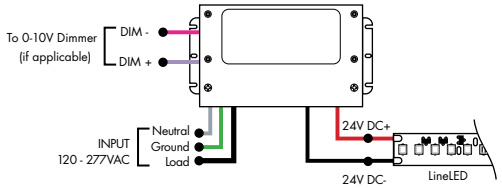
Ordering Code Universal Dimming Power Supplies 1% 120VAC - 277VAC

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 complete list of compatible dimmers on product page (Link)

0-10V - 1% dimming
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart

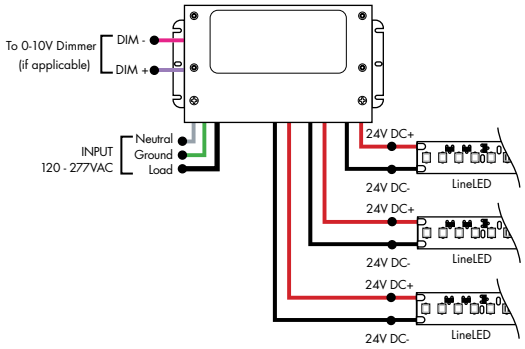
PS-UNI-D-96 / PS-UNI-W-96



MODELS	PS-UNI-W-30W	PS-UNI-W-60W	PS-UNI-W-96W	PS-UNI-W-3X96W
Length	6.50"	7.40"	8.66"	11.85"
Width	3.73"	3.73"	3.73"	4.32"
Depth	1.61"	1.61"	1.61"	1.81"

MODELS	PS-UNI-D-30W	PS-UNI-D-60W	PS-UNI-D-96W	PS-UNI-D-3X96W
Length	8.77"	8.77"	8.11"	9.94"
Width	4.27"	4.27"	5.60"	7.61"
Depth	1.83"	1.83"	1.83"	2.02"

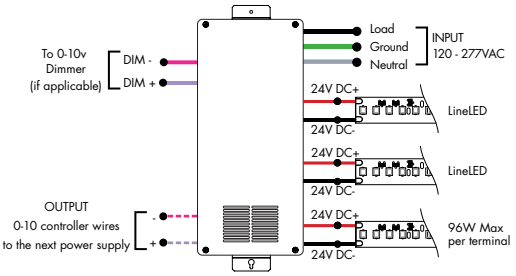
PS-UNI-D-3X96 / PS-UNI-W-3X96



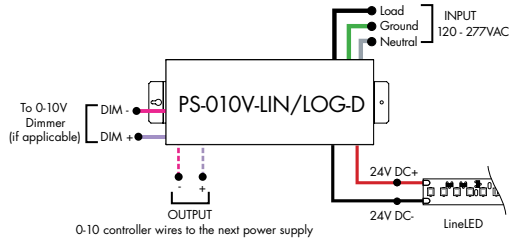
Ordering Code 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	010V-LIN - 0-10V Dimming (0.1%), Linear 010V-LOG - 0-10V Dimming (0.1%), Logarithmic	D - Dry	96 - 96 Watts 3X96 - 3x96 Watts	24 - 24 VDC

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

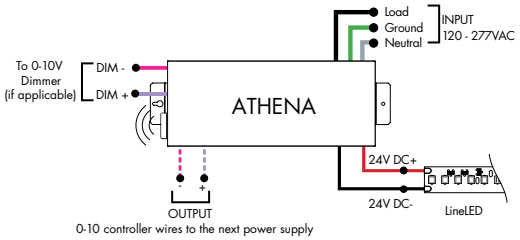


MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.45"



Athena 0-10V LED Driver

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	010V-LIN - 0-10V Dimming, Linear 010V-LOG - 0-10V Dimming, Logarithmic	D - Dry	96 - 96 W	24 - 24 VDC	AWNR - Athena



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

Power Supplies

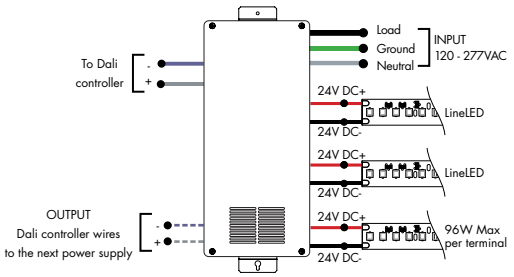
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

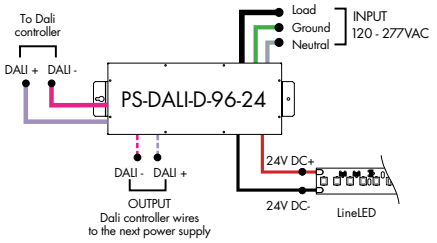
Ordering Code DALI1 Dimming Power Supplies 0.1% 120VAC - 277VAC

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

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

PS-DALI-D-3X96-24





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

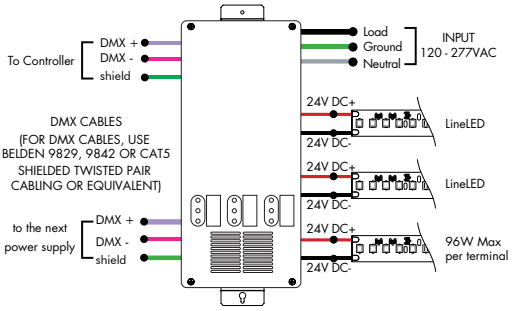
Requires Zonal Control

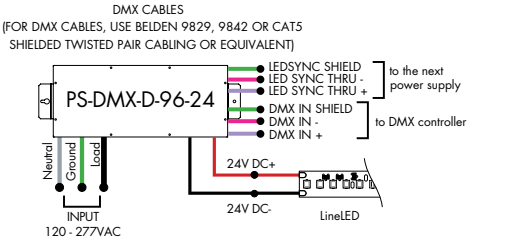
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DMX - DMX (0.1%)	D - Dry	96 - 96 Watts 3X96 - 3X96 Watts	24 - 24 VDC

*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"

PS-DMX-D-3X96-24

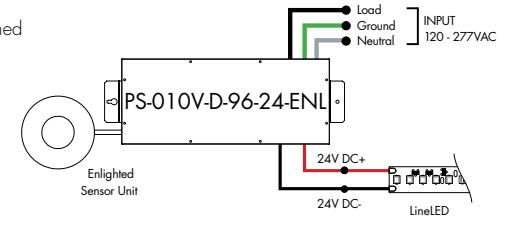




Ordering Code Enlighted Enabled Dimming Power Supplies 1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	010V-0-10V Dimming (1%)	D - Dry	96-96 Watts	24 - 24 VDC	ENL-0-10V Enlightened

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

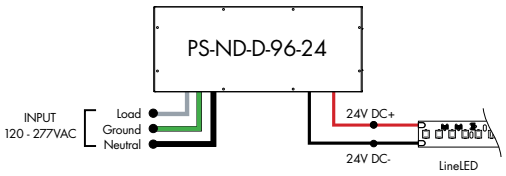


Power Supplies

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.

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

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	ND-Non Dimming	D-Dry	96-96 Watts	24-24 VDC

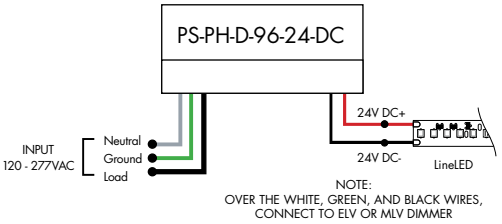


MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

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

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	OUTPUT CONTROL
PS-Power Supply, 120-277VAC	PH-Phase Dimming (Triac, ELV, MLV)	D-Dry	96-96 Watts	24-24 VDC	DC-Direct Current

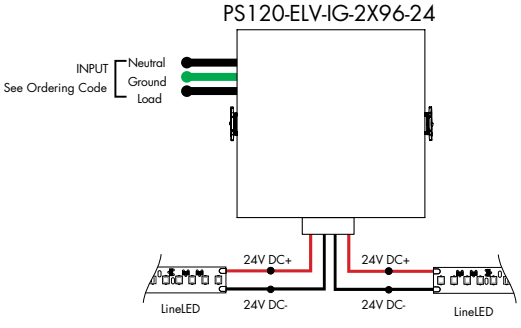
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart (Link)



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

Ordering Code In-Ground Power Supplies

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS120-Power Supply, 120VAC PS240-Power Supply, 240VAC PS277-Power Supply, 277VAC	ELV-ELV Dimming (1%)	IG-In Ground	2X96-2X96 Watts	24-24 VDC



MODELS	2X96W
Length	8.40"
Width	8.30"
Depth	8.10"

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.

LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 1%

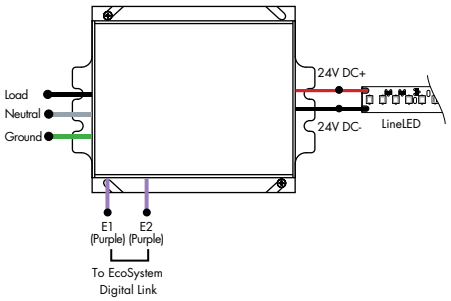
MODEL

L3DA4U1UKL-CV240

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

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

L3DA4U1UKL-CV240



LUTRON®

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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"