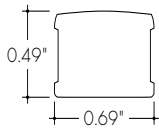


Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 48' depending on output
- Suitable for undercabinet, millwork, direct view, grazer, cove, direct view, architectural reveals, accent lighting and surface mount applications
- Approved for closet/storage space installation per NEC 410.16(A) (3) and 410.16(C)(5)
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- 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 810 lm/ft and up to 115 lm/W
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- 5 Year warranty



Finish Options (see page 2 for additional information)

- Silver Anodized
- White
- Aged Brass
- Black
- Matte Black
- Polished Gold
- Bronze
- Warm Nickel
- Chrome



Technical Information

MODEL	High Color Quality			High Efficacy				High Efficacy
	72SO	72HO	72VHO	HE48LO	HE48SO	HE48MO	HE48HO	HE64VHO
OUTPUT OPTIONS								
Lumens Output (3000K) <small>(with a Clear Lens)</small>	222 lm/ft	361 lm/ft	439 lm/ft	217 lm/ft	300 lm/ft	401 lm/ft	643 lm/ft	813 lm/ft
Average Power Consumption <small>(for a 4" section)</small>	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	79 lm/W	75 lm/W	73 lm/W	114 lm/W	107 lm/W	115 lm/W	99 lm/W	108 lm/W
Max Run Length <small>(in series)</small>	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]				48°C [118°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)

CCT	Multiplier <small>(reference - 3000K)</small>	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)

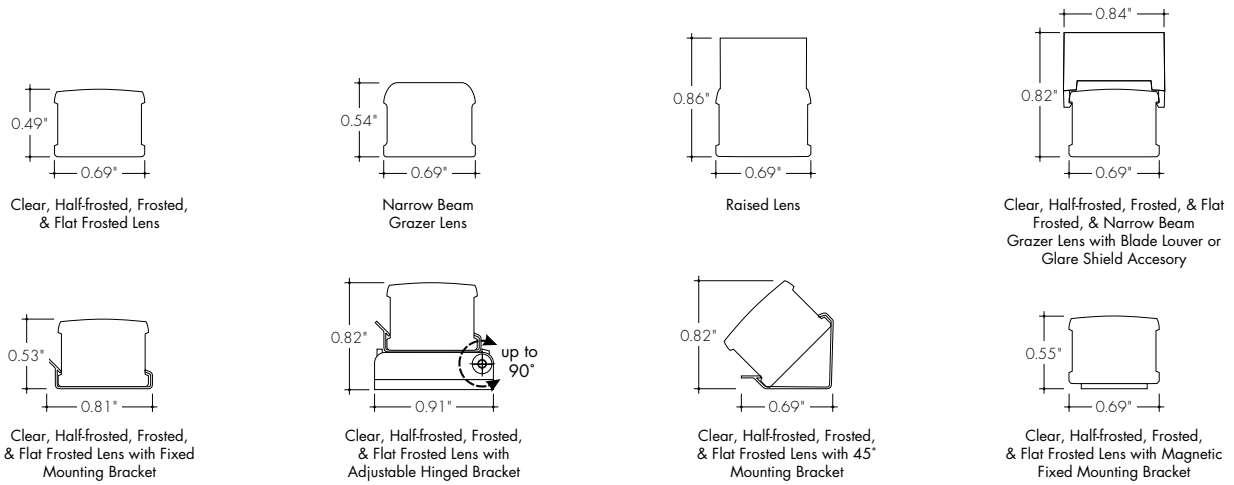
CCT	Multiplier <small>(reference - 3000K)</small>	TM-30			
		CRI	R _f	R _g	R ₉
2200K	0.73	92	91	97	42
2500K	0.81	93	96	96	62
2700K	0.94	92	90	99	58
3000K	1.00	92	89	99	57
3500K	1.02	92	89	99	60
4000K	1.02	92	86	94	71

Ordering Code

MODEL	LENGTH ¹	OUTPUT	CCT	LENS ²	MOUNTING	FINISH ⁴	POSITION	POWER FEED	ACCESSORIES
KM-Kendo M	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 HF - Half Frosted F - Frosted FF - Flat Frosted GR - Narrow Beam Grazer R - Raised ³	FC - Fixed Clip A - Adjustable Hinge Mounting FC45 - Fixed Clip, 45° MAG - Magnetic	SA - Silver Anodized BK - Black BZ - Bronze WH - White MBK - Matte Black VN - Warm Nickel AB - Aged Brass PG - Polished Gold ⁵ CH - Chrome ⁵	E - End B - Back S - Side	1 - 72" wire leads 1X2 72" wire leads at both ends 2 - 72" wire leads at one end and Quick Connect at other 3 - Single Quick Connect 4 - Dual Quick Connect	___ - N/A, leave blank BLS - Blade louver, Silver BLBK - Blade louver, Black BLWH - Blade louver, White GSS - Glare shield, Silver GSBK - Glare shield, Black GSWH - Glare shield, White
	12" - 144" 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						

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 JAB. High Color Quality options can be used to comply with Title 24 JAB depending on Output, CCT, and lens selections. See multiplier charts to calculate specific efficacies.
 3 - Glare Shield and Blade Louvers not available with Raised Lens.
 4 - Non SA finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
 5 - Polished Gold finishes have a maximum fixture length of 48", and Chrome finishes have a maximum fixture length of 72".

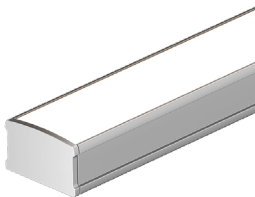
Product Dimensions



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 48", and Chrome finishes have a maximum fixture length of 72".
- Custom RALs are available, please consult Inside Sales with specific request.

Silver Anodized



Silver Anodized is a soft silver with a clear finish.

Black



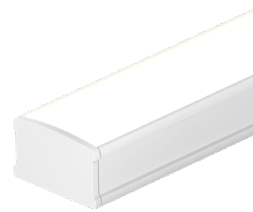
Black is a true deep black with a glossy finish.

Bronze



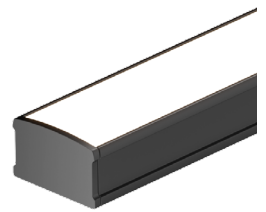
Bronze is a rich, dark brown with a satin finish.

White



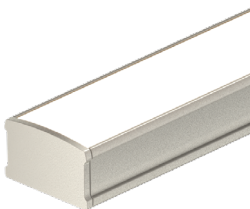
White is a polar bright white and field paintable.

Matte Black



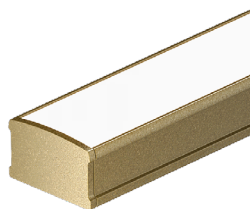
Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel



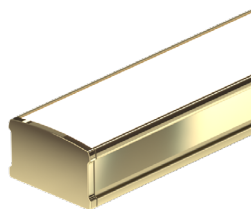
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass



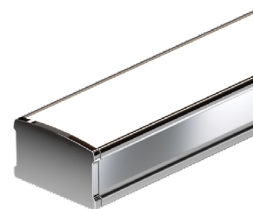
Aged Brass is a deep brown shade with slightly golden undertones.

Polished Gold



Polished Gold is bright and radiant for a brilliant finish.

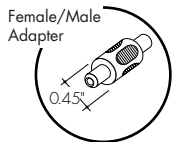
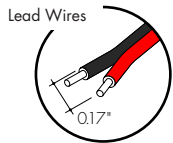
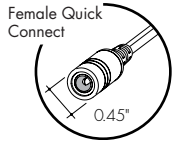
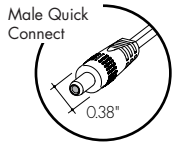
Chrome



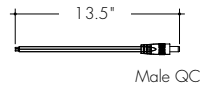
Chrome is a highly reflective silver polish.

Powerfeeds and Connectors

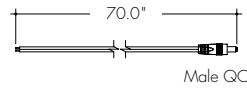
Linking and Extension Cable Options



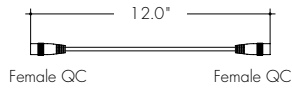
LMC-12
Male quick-connect, 2 pin, 12"



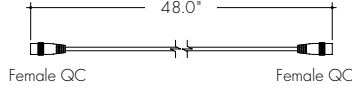
LMC-70
Male quick-connect long, 2 pin, 70"



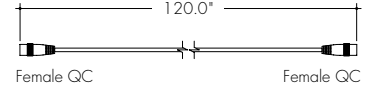
EC-12
Female to Female Extension Cable, 2 pin, 12"



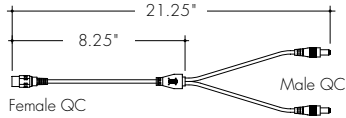
EC-48
Female to Female Extension Cable, 2 pin, 48"



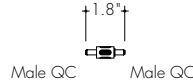
EC-120
Female to Female Extension Cable, 2 pin, 120"



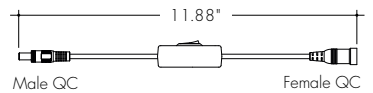
LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12"



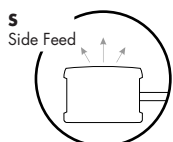
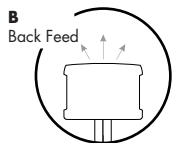
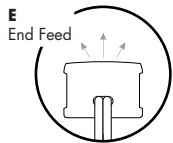
FMA
Female to male adapter



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



Powerfeeds Position/Type



1
72" wire leads



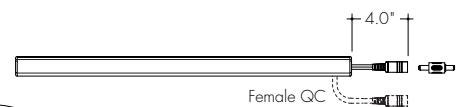
1X2
72" wire leads at both ends



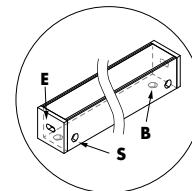
2
72" wire leads at one end and Female Quick Connect at other



3
Single Female Quick Connect

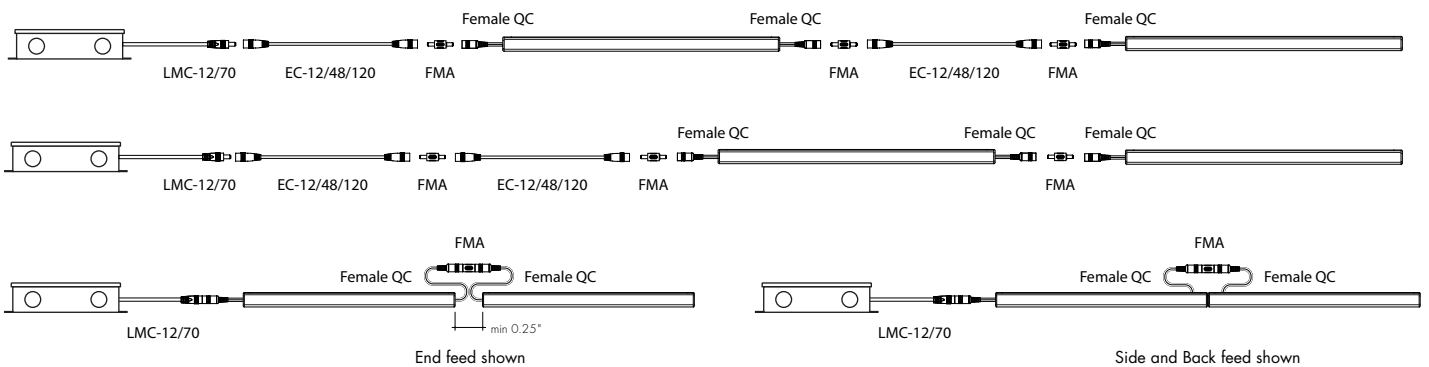


4
Dual Female Quick Connect



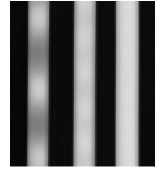
Side and Back feeds shown as dashed lines
All wires are 18 AWG unless otherwise specified
-2, -3, -4 include FMA as shown

Sample Layout



Light Transmission and Dotting

Output Options	Lens/Accessory							
	Clear Lens	Half-Frosted Lens	Raised Lens	Narrow Beam Grazer Lens	Flat Frosted Lens	Grazer Lens, White Glare Shield	Frosted Lens	Grazer Lens, White Blade Louver
72SO	CD	CD	ND	CD	ND	CD	ND	CD
72HO	CD	CD	ND	CD	ND	CD	ND	CD
72VHO	CD	CD	ND	CD	ND	CD	ND	CD
HE48LO	CD	CD	ND	CD	ND	CD	ND	CD
HE48SO	CD	CD	ND	CD	ND	CD	ND	CD
HE48MO	CD	CD	ND	CD	ND	CD	ND	CD
HE48HO	CD	CD	ND	CD	ND	CD	ND	CD
HE64VHO	CD	CD	ND	CD	ND	CD	ND	CD
Transmission Percentage	100%	83%	70%	69%	63%	61%	55%	46%

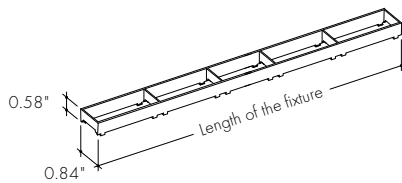


CD - Clear Dotting
SD - Slight Dotting
ND - No Dotting

Accessory Options

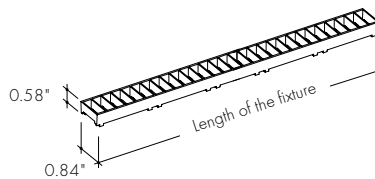
LV-GS-KMSC-24-XX

Glare Shield reduces glare at high angle, field cuttable. Also available with complete fixture, use ordering code **-GSXX**



LV-BL-KMSC-24-XX

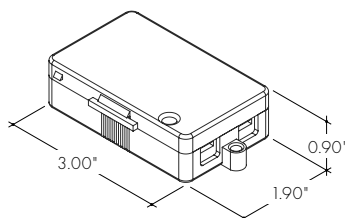
Blade Louver reduces glare at high angle in two directions. Also available with complete fixture, use ordering code **-BLXX**



XX	Color
WH	White
BK	Black
SL	Silver

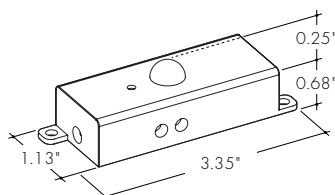
LVSP-4T-BK

Low Voltage, 4 Terminal Splice Box, Black



OS-DC-F4-BK

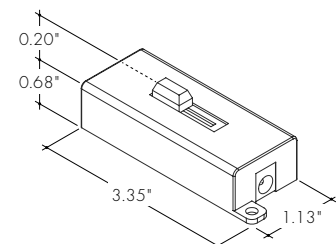
Occupancy Sensor



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

DIM-DC-F4-BK

24VDC Low Voltage In-line Dimmer Module

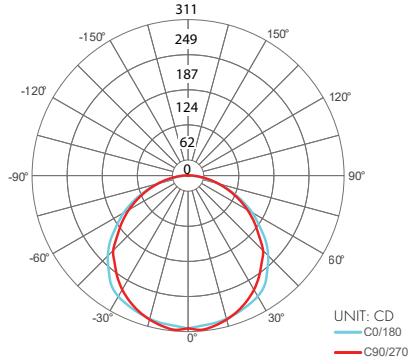


Male Quick Connect, FMA, ILC, LYC, or IS-DC are required for input and output.

Photometry

KM-48-72VHO-30K-F

Kendo M, 4ft, 3500K, 72VHO, 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%
0-180	975	100.0%

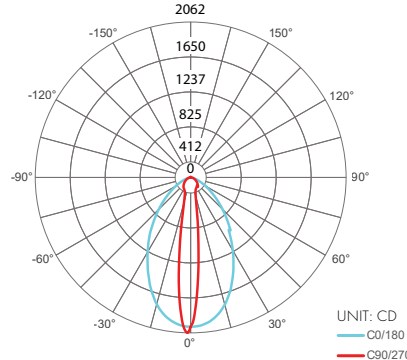
Total

Beam Angle



KM-48-72VHO-30K-GR

Kendo M, 4ft, 3500K, 72VHO, Narrow BeamGrazer Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	563	46.4%
0-40	761	62.9%
0-60	1061	87.6%
0-90	1198	98.9%
0-180	1211	100.0%

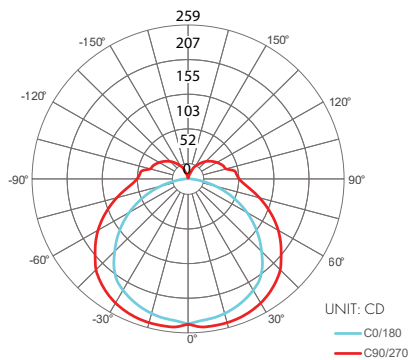
Total

Beam Angle



KM-48-72VHO-30K-R

Kendo M, 4ft, 3500K, 72VHO, Raised Lens

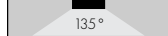


Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	210	17.0%
0-40	358	28.9%
0-60	688	55.6%
0-90	1024	82.7%
0-180	1237	100.0%

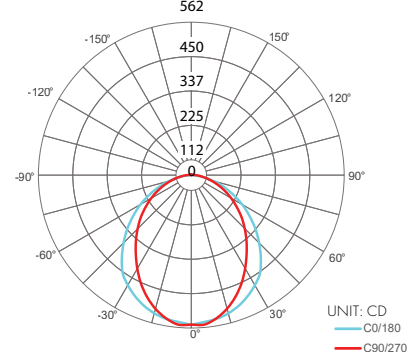
Total

Beam Angle



KM-48-72VHO-30K-HF

Kendo M, 4ft, 3500K, 72VHO, Half Frosted Lens

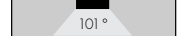


Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	419	28.8%
0-40	674	46.2%
0-60	1147	78.7%
0-90	1438	98.7%
0-180	1457	100.0%

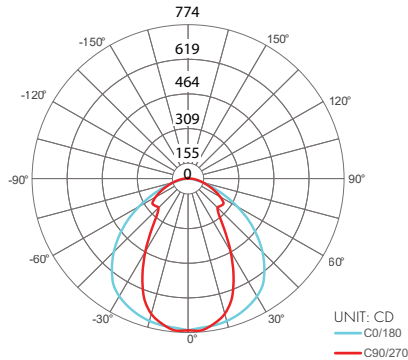
Total

Beam Angle



KM-48-72VHO-30K-C

Kendo M, 4ft, 3500K, 72VHO, 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%
0-180	1757	100.0%

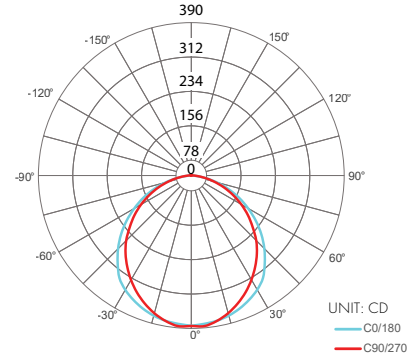
Total

Beam Angle



KM-48-72VHO-30K-FF

Kendo M, 4ft, 3500K, 72VHO, Flat Frosted Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	298	26.8%
0-40	489	43.9%
0-60	867	77.8%
0-90	1102	98.9%
0-180	1114	100.0%

Total

Beam Angle



Power Consumption

Tested at Full Power with PDCU 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 contact factory with specific request.

High Color Quality (72)

Nominal Length (in)	Side and End Feed Actual Length*	Watts			Nominal Length (in)	Side and End Feed Actual Length*	Watts			Nominal Length (in)	Side and End Feed Actual Length*	Watts			Nominal Length (in)	Side and 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 PDCU 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 contact factory with specific request.

High Efficacy (HE48)

Nominal Length (in)	Side and End Feed Actual Length*	Watts				Nominal Length (in)	Side and End Feed Actual Length*	Watts				Nominal Length (in)	Side and End Feed Actual Length*	Watts				Nominal Length (in)	Side and 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 PDCU 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 contact factory with specific request.

High Efficacy (HE64)

Nominal Length (in)	Side and End Feed Actual Length*	Watts	Nominal Length (in)	Side and End Feed Actual Length*	Watts	Nominal Length (in)	Side and End Feed Actual Length*	Watts	Nominal Length (in)	Side and End Feed Actual Length*	Watts
		VHO			VHO			VHO			VHO
12	11 4/16	7.6	47	46 1/16	28.2	82	—	—	117	—	—
13	12 12/16	7.6	48	47 9/16	29.5	83	82 6/16	51.7	118	117 4/16	72.8
14	—	—	49	—	—	84	83 15/16	52.3	119	118 12/16	73.3
15	14 4/16	8.9	50	49 1/16	30.1	85	—	—	120	—	—
16	15 12/16	9.5	51	50 10/16	31.4	86	85 7/16	53.6	121	120 4/16	74.4
17	—	—	52	—	—	87	86 15/16	54.2	122	121 12/16	74.8
18	17 5/16	10.7	53	52 2/16	32.0	88	—	—	123	—	—
19	18 13/16	11.4	54	53 10/16	33.3	89	88 7/16	55.5	124	123 4/16	75.6
20	—	—	55	—	—	90	89 15/16	56.2	125	124 13/16	76.0
21	20 5/16	12.6	56	55 2/16	34.0	91	—	—	126	—	—
22	21 13/16	13.2	57	56 10/16	35.2	92	91 8/16	57.5	127	126 5/16	76.8
23	—	—	58	—	—	93	93	58.2	128	127 13/16	77.2
24	23 5/16	14.5	59	58 3/16	36.5	94	—	—	129	—	—
25	24 14/16	15.1	60	59 11/16	37.2	95	94 8/16	59.5	130	129 5/16	78.0
26	—	—	61	—	—	96	—	—	131	130 14/16	78.4
27	26 6/16	16.4	62	61 3/16	38.4	97	96	60.1	132	—	—
28	27 14/16	17.0	63	62 11/16	39.1	98	97 9/16	61.4	133	132 6/16	79.2
29	—	—	64	—	—	99	—	—	134	133 14/16	79.6
30	29 6/16	18.2	65	64 4/16	40.4	100	99 1/16	62.0	135	—	—
31	30 15/16	18.9	66	65 12/16	41.0	101	100 9/16	63.2	136	135 6/16	80.3
32	—	—	67	—	—	102	—	—	137	136 14/16	80.6
33	32 7/16	20.1	68	67 4/16	42.3	103	102 1/16	63.8	138	—	—
34	33 15/16	20.7	69	68 12/16	42.9	104	103 9/16	65.0	139	138 7/16	81.3
35	—	—	70	—	—	105	—	—	140	139 15/16	81.7
36	35 7/16	22.0	71	70 4/16	44.2	106	105 2/16	65.6	141	—	—
37	36 15/16	22.6	72	71 13/16	44.9	107	106 10/16	66.8	142	141 7/16	82.4
38	—	—	73	—	—	108	—	—	143	142 15/16	82.7
39	38 8/16	23.9	74	73 5/16	46.1	109	108 2/16	67.4	144	—	—
40	40	24.5	75	74 13/16	46.7	110	109 10/16	68.5			
41	—	—	76	—	—	111	—	—			
42	41 8/16	25.7	77	76 5/16	48.0	112	111 3/16	69.6			
43	—	—	78	77 14/16	48.6	113	112 11/16	70.1			
44	43	26.4	79	—	—	114	—	—			
45	44 9/16	27.6	80	79 6/16	49.8	115	114 3/16	71.2			
46	—	—	81	80 14/16	50.4	116	115 11/16	71.7			

Voltage Drop Calculator

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

Wattage [W]	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

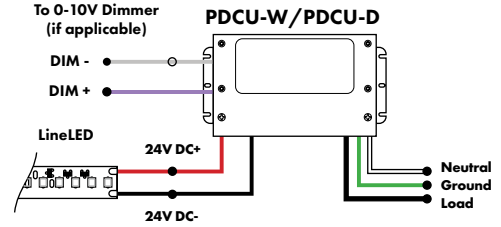
Power Supplies

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.

Universal Power Supply 1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W	24 - 24 VDC
PDCU-W - IP66 Wet Series	96 - 96 W 3X96 - 3X96 W	

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

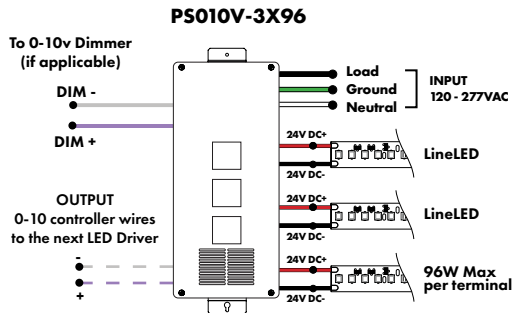
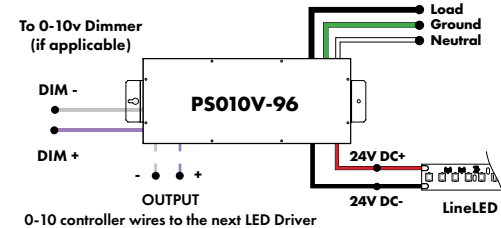


MODELS	PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33"	1.32"	1.56"	1.13"

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

MODEL	POWER	OUTPUT	DIMMING
PS010V - 0-10V Power Supply dims down to 0.1%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC	LIN - Linear LOG - Logarithmic

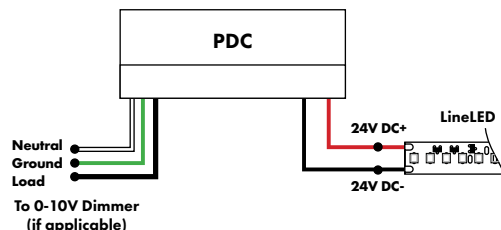
MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



Triac, MLV, & ELV Compatible Dimmers

MODEL	POWER	OUTPUT
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC

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



Power Supplies

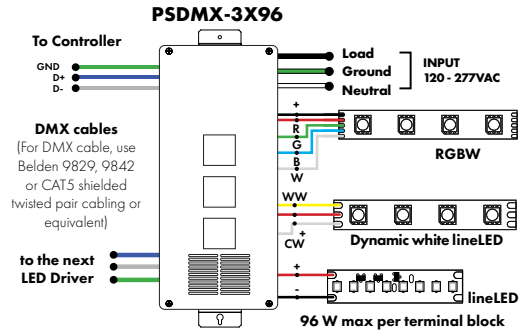
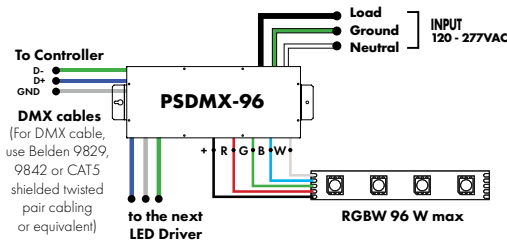
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX - DMX Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

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

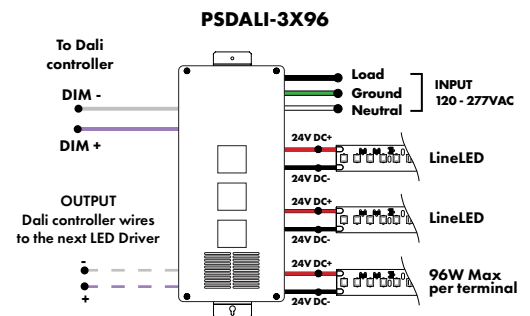
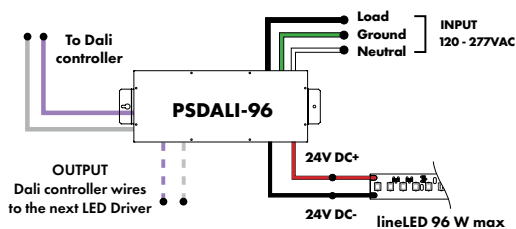


DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDALI - DALI Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

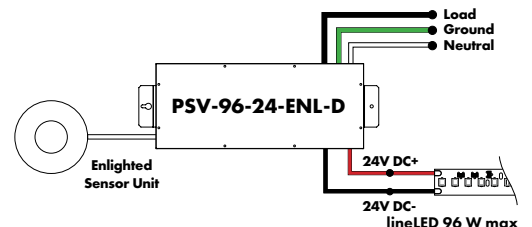
Model	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ENL - Enlighted Dimming dims down to 0%	D - Damp

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



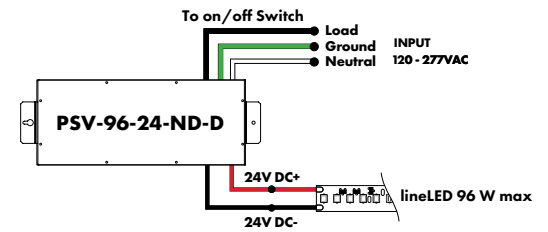
Power Supplies

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.

Non-Dimming Power Supply 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ND - Non Dimming	D - Damp

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



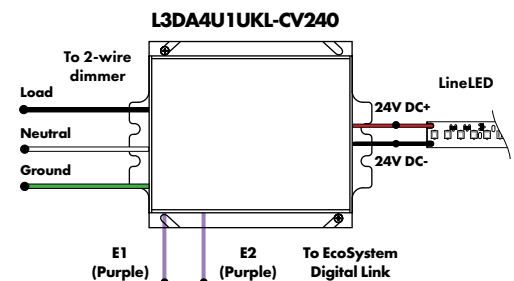
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Lutron Power Supplies 1%

MODEL
L3DA4U1UKL-CV240

HiLume™ 1% EcoSystem Voltage LED driver
40W max

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



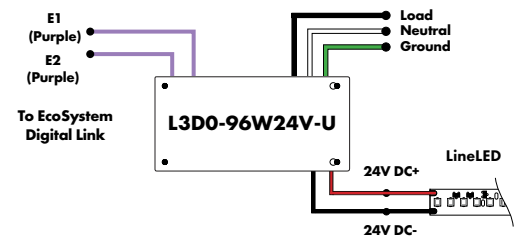
Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 0.1%

MODEL
L3D0-96W24V-U

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

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"



In-Ground Power Supplies

MODEL	POWER	OUTPUT	INPUT
IG - In ground CVE Series CVE - ELV Dimming DALI - eldoLED Dali dimming Both dims down to 0%	96X2 - 2 X 96 Watt	24 - 24 VDC	Blank - 120 V 277 - 240/277 V

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

