

Features

- Extruded aluminum linear suspension system utilizing double rows of LEDs
- Includes 8' silver adjustable cable
- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 24' depending on output
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- Continuous Lens may be ordered separately for multi-fixture runs to create an even, seamless appearance
- 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 1690 lm/ft and up to 119 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

Finish Options (see page 2 for additional information)

Base	<input type="checkbox"/> Silver Anodized
Powder Coat	<input type="checkbox"/> Black <input type="checkbox"/> Bronze <input type="checkbox"/> White
Premium	<input type="checkbox"/> Matte Black <input type="checkbox"/> Warm Nickel <input type="checkbox"/> Aged Brass <input type="checkbox"/> Polished Gold <input type="checkbox"/> Chrome



Technical Information

MODEL	High Color Quality			High Efficacy				High Efficacy
OUTPUT OPTIONS	2x 72SO	2x 72HO	2x 72VHO	2x HE48LO	2x HE48SO	2x HE48MO	2x HE48HO	2x HE64VHO
Lumens Output (3000K) <small>(with a Frosted Lens)</small>	408 lm/ft	663 lm/ft	806 lm/ft	397 lm/ft	550 lm/ft	735 lm/ft	1179 lm/ft	1492 lm/ft
Average Power Consumption <small>(for a 4' section)</small>	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	73 lm/W	69 lm/W	67 lm/W	104 lm/W	98 lm/W	105 lm/W	91 lm/W	99 lm/W
Max Run Length <small>(in series)</small>	20 ft	16 ft	11 ft	24 ft	21 ft	17 ft	12 ft	8 ft
Ambient Operating Temperature Range*	-5°F - 125°F <small>(-20°C - 50°C)</small>	-5°F - 115°F <small>(-20°C - 45°C)</small>	-5°F - 105°F <small>(-20°C - 40°C)</small>	-5°F - 125°F <small>(-20°C - 50°C)</small>	-5°F - 125°F <small>(-20°C - 50°C)</small>	-5°F - 115°F <small>(-20°C - 45°C)</small>	-5°F - 105°F <small>(-20°C - 40°C)</small>	-5°F - 95°F <small>(-20°C - 35°C)</small>

*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 <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)

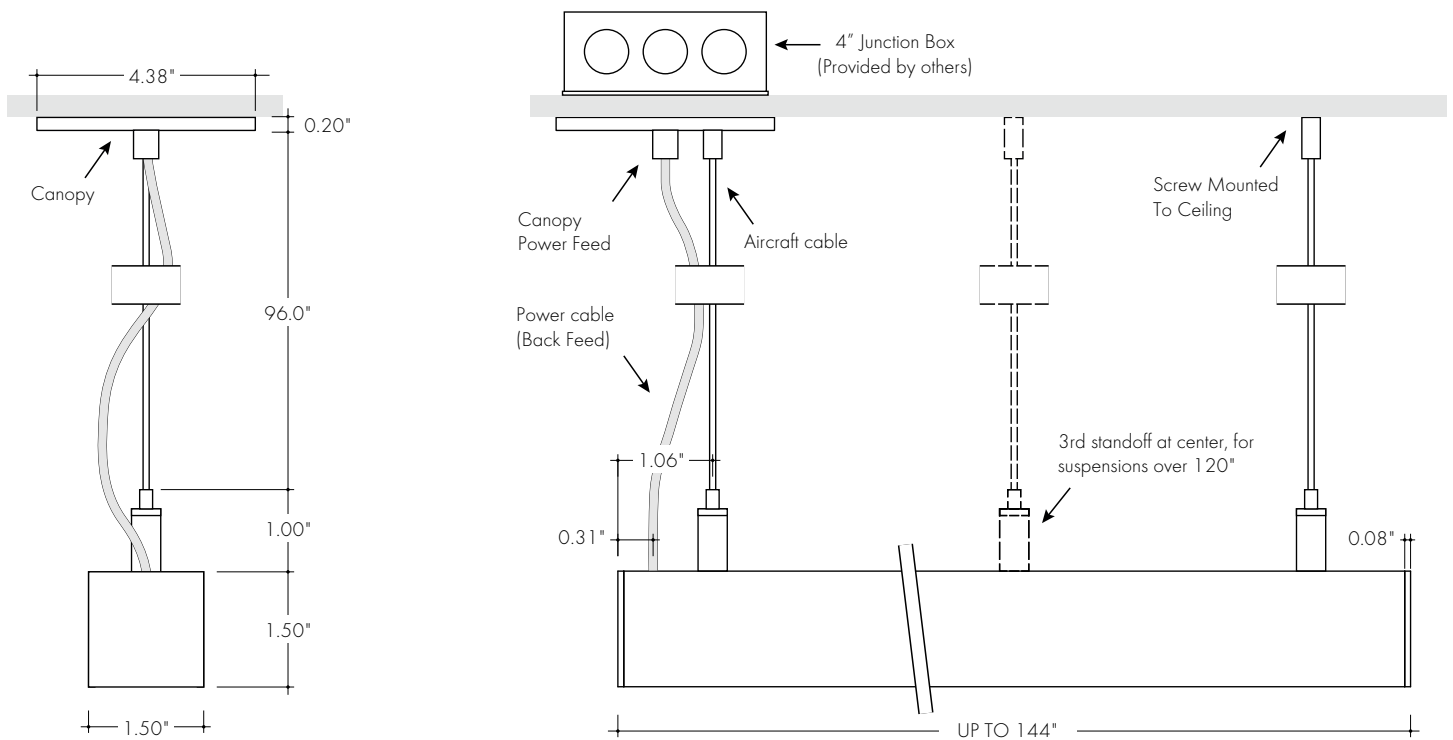
CCT	Multiplier <small>(reference - 3000K)</small>	TM-30			
		CRI	R _f	R _g	R ₉
2200K	0.73	92	91	97	42
2500K	0.81	93	96	96	62
2700K	0.94	92	90	99	58
3000K	1.00	92	89	99	57
3500K	1.02	92	89	99	60
4000K	1.02	92	86	94	71

Ordering Code

MODEL	LENGTH ¹	OUTPUT ²	CCT	LENS ³	FINISH ^{4, 5, 6}	LEFT END CAP (A)	RIGHT END CAP (B)	POWER FEED LEFT END ⁸	POWER FEED RIGHT END ⁸
KILOS-Kilo Suspended	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	F-Frosted Lens C-Clear Lens N-No Lens	BASE SA-Silver Anodized POWDER COAT BK-Black BZ-Bronze WH-White PREMIUM MBK-Matte Black WVN-Warm Nickel AB-Aged Brass PG-Polished Gold ⁷ CH-Chrome ⁷	LE-Endcap Left End LN-No Endcap Left End	RE-Endcap Right End RN-No Endcap Right End	LWB-Back Wire Leads LNPF-No Power Feed	RNPF-No Power Feed RWB-Back Wire Leads
	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 - Continuous Lens may be ordered separately for multi-fixture runs to create an even, seamless appearance.
 4 - Canopy has a black finish for Matte Black and Black fixture finishes. Canopy has a White finish for all other fixture finishes.
 5 - Wire cable is black for Matte Black and Black fixture finishes. Wire cable is White for all other fixture finishes.
 6 - Non Base may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
 7 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".
 8 - Wire leads are 96" long.
 9 - NOTE: Each Kilo Suspended fixture/section requires it's own home run to a power supply. They cannot be electrically connected together

Product Dimensions

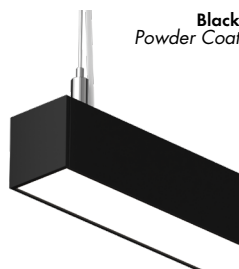


Finish Options

- Canopy finish is black when fixture finish is black or matte black. Canopy finish is white for all other fixture finish options.
- 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 is a soft silver with a clear finish.



Black is a true deep black with a glossy finish.



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



White is a polar bright white and field paintable.



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



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



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



Polished Gold is bright and radiant for a brilliant finish.



Chrome is a highly reflective silver polish.

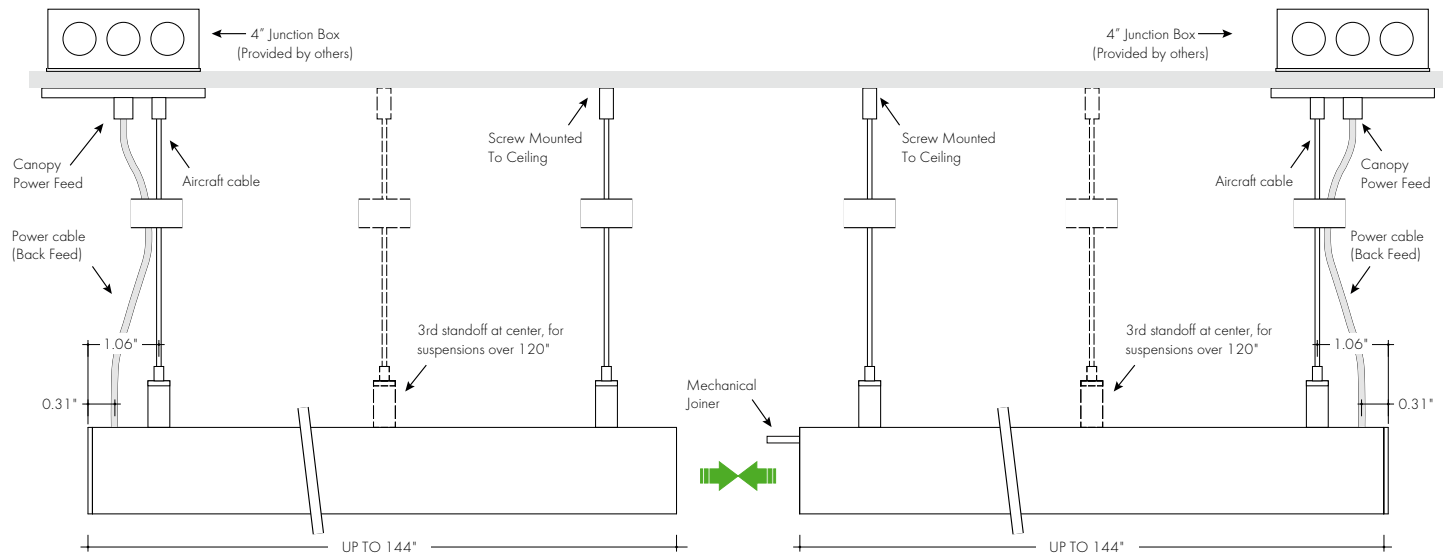
Sample Layout of Power Feed

KILOS-XX-LE-RN-LWB-RNPF

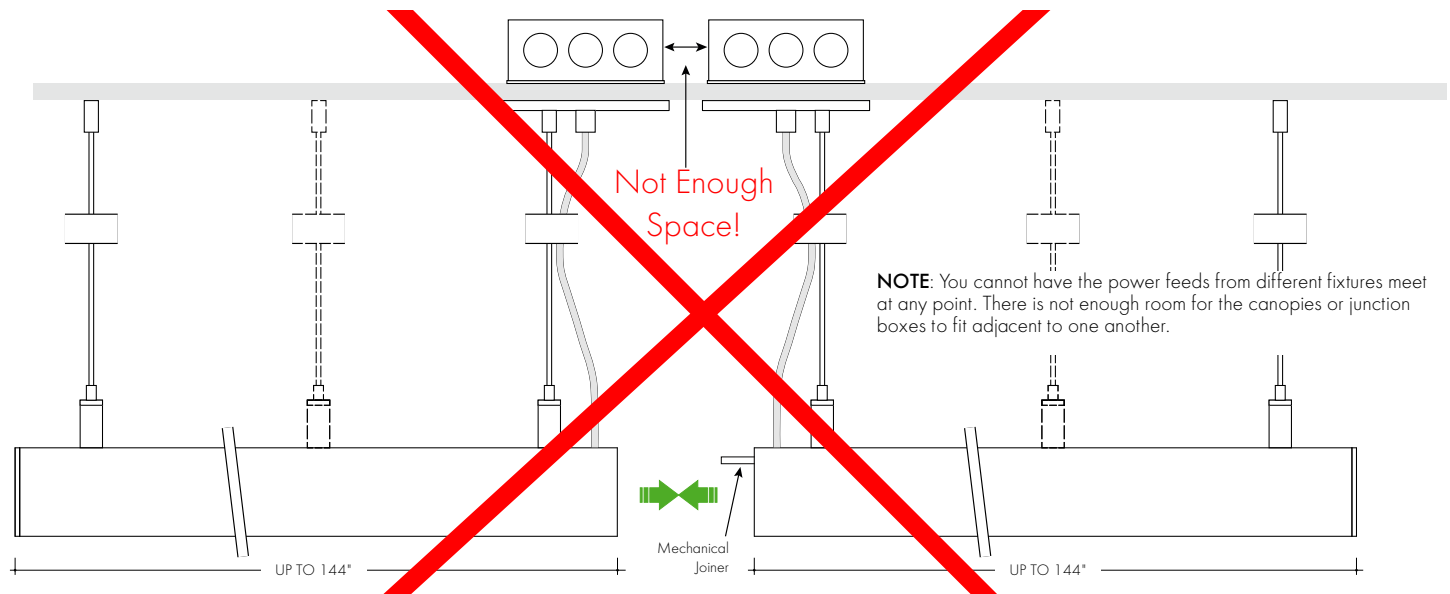
End cap left end, no end cap right end of Fixture
Wire leads on the left backside of Fixture

KILOS-XX-LN-RE-LNPF-RWB

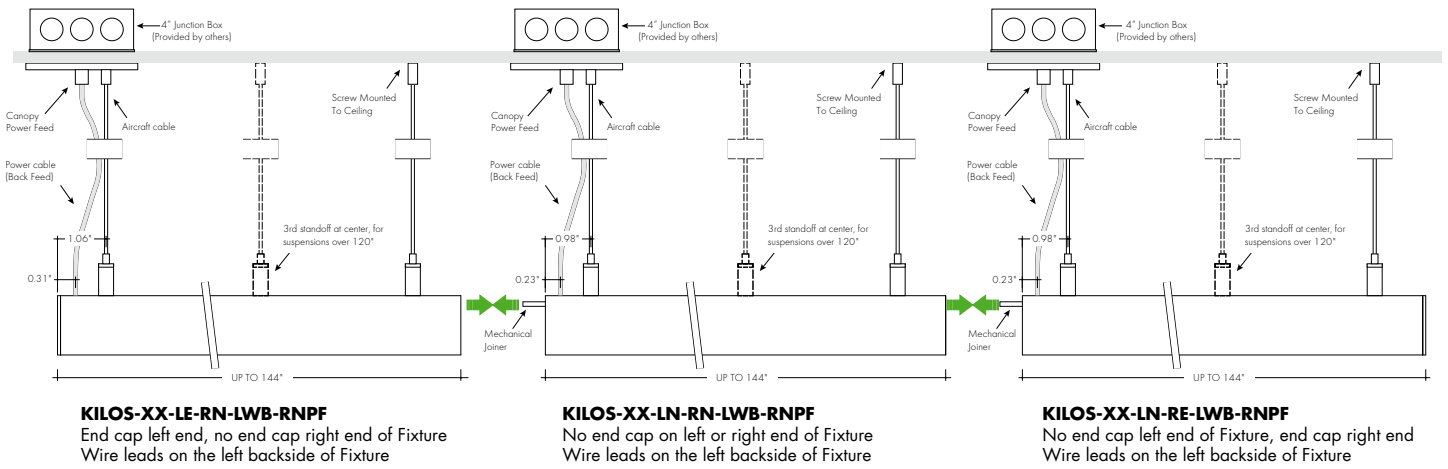
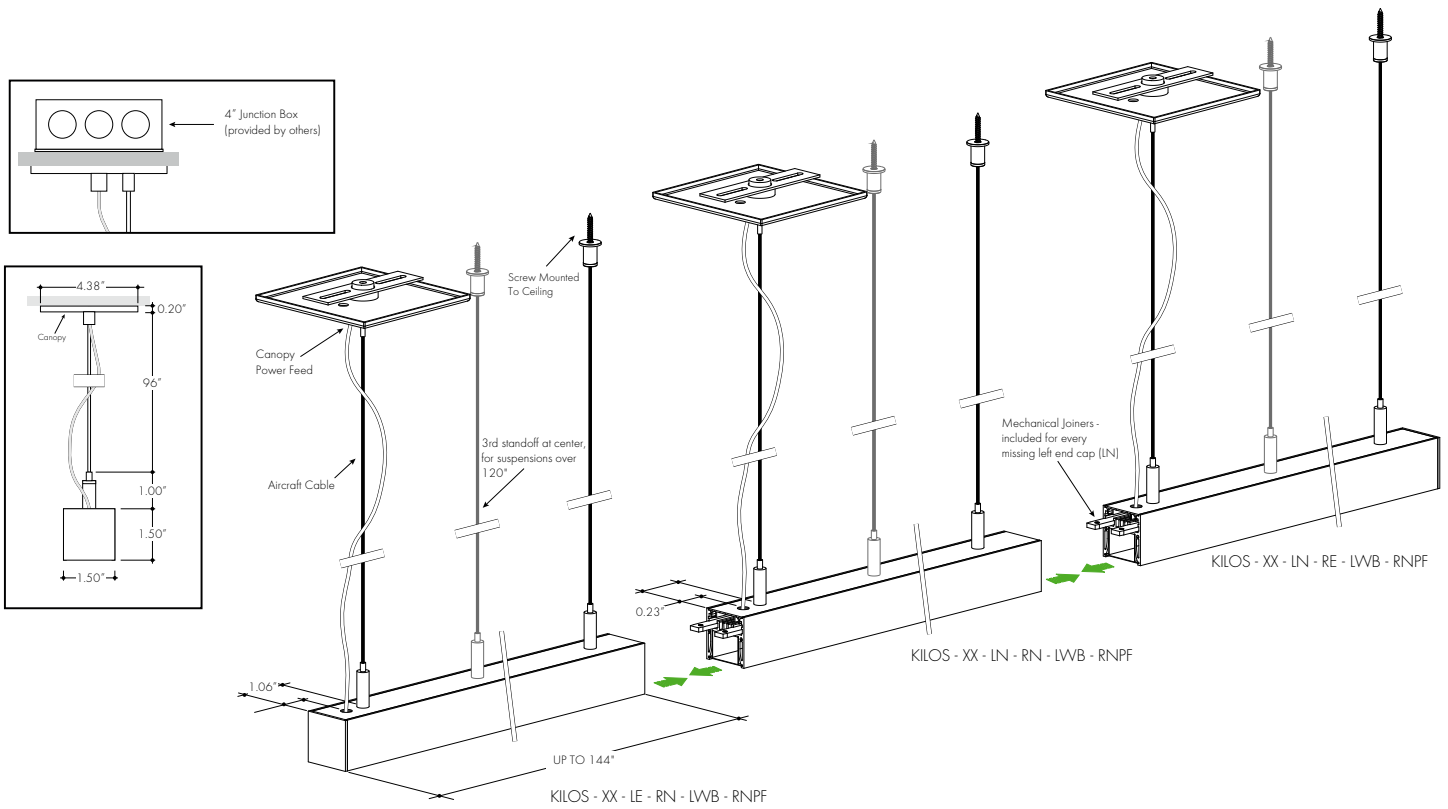
No end cap left end of Fixture, end cap right end
Wire leads on the right backside of Fixture



Invalid Sample Layout of Power Feed

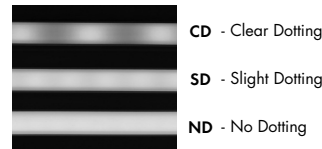


Sample Layout of Power Feed



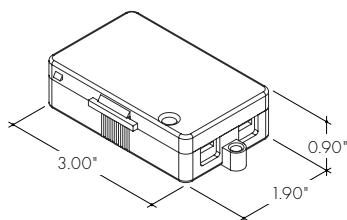
Light Transmission and Dotting

Output Options	Lens/Accessory							
	Clear Lens				Frosted Lens			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%
72SO	CD	CD	CD	CD	ND	ND	ND	ND
72HO	CD	CD	CD	CD	ND	ND	ND	ND
72VHO	CD	CD	CD	CD	ND	ND	ND	ND
HE48LO	CD	CD	CD	CD	ND	ND	ND	ND
HE48SO	CD	CD	CD	CD	ND	ND	ND	ND
HE48MO	CD	CD	CD	CD	ND	ND	ND	ND
HE48HO	CD	CD	CD	CD	ND	ND	ND	ND
HE64VHO	CD	CD	CD	CD	ND	ND	ND	ND
Transmission Percentage	114%				100%			

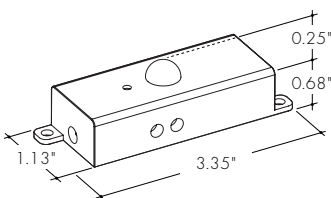


Accessory Options

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

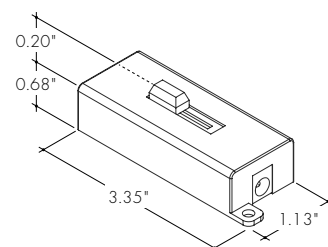


OS-DC-F4-BK
Occupancy Sensor



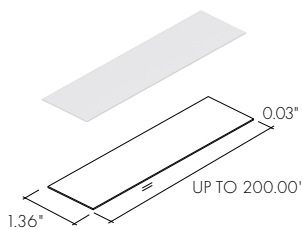
Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output.

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.

Continuous Lens (Field Cuttable)



KILOC-FF - Kilo Channel Continuous Frosted Lens
KILOC-CC - Kilo Channel Continuous Clear Lens

XX - Order in 10' increments up to 200'

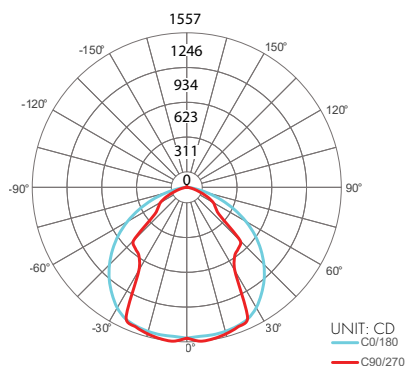
Note: Order the continuous (field cuttable) lens up to 200'. Recommended to avoid seams between multiple fixtures joining together.

Photometry

KiloS-48-72VHO-30K-C

Kilo S, 4ft, 3000K, VHO, Clear Lens

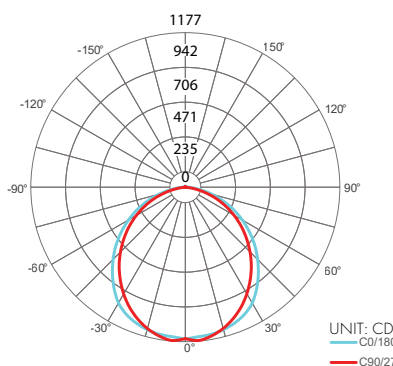
Zonal Lumen Summary 3000K



KiloS-48-72VHO-30K-F

Kilo S, 4ft, 3000K, VHO, Frosted Lens

Zonal Lumen Summary 3000K



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 Color Quality (72)

Nominal Length (in)	Actual Length	Watts			Nominal Length (in)	Actual Length	Watts			Nominal Length (in)	Actual Length	Watts			Nominal Length (in)	Actual Length	Watts		
		SO	HO	VHO			SO	HO	VHO			SO	HO	VHO			SO	HO	VHO
12	11 5/16	5.1	8.6	11.5	47	46 1/16	20.6	32.9	42.3	82	81 15/16	34.7	53.6	68.8	117	116 11/16	47.3	70.1	88.4
13	12 8/16	5.6	9.4	12.6	48	47 4/16	21.3	33.9	43.4	83	-	-	-	-	118	117 14/16	47.7	70.6	88.8
14	13 10/16	6.2	10.5	14.1	49	48 6/16	21.8	34.6	44.2	84	83 2/16	35.2	54.4	70.7	119	-	-	-	-
15	14 13/16	6.7	11.2	15.0	50	49 9/16	22.2	35.2	45.0	85	84 5/16	35.5	54.9	72.0	120	119	48.0	71.0	89.3
16	15 15/16	7.1	12.0	16.0	51	50 11/16	22.7	36.2	46.3	86	85 7/16	35.9	55.4	72.4	121	120 3/16	48.5	71.7	90.0
17	-	-	-	-	52	51 14/16	23.1	36.8	47.1	87	86 10/16	36.5	56.1	73.1	122	121 5/16	48.7	72.2	90.4
18	17 2/16	7.8	13.1	17.4	53	-	-	-	-	88	87 12/16	36.9	56.6	73.5	123	122 8/16	48.9	72.6	90.8
19	18 4/16	8.2	13.8	18.4	54	53	23.5	37.4	48.0	89	88 15/16	37.3	57.1	74.0	124	123 10/16	49.3	73.3	91.5
20	19 7/16	8.7	14.5	19.3	55	54 3/16	24.1	38.4	49.2	90	-	-	-	-	125	124 13/16	49.5	73.8	91.9
21	20 10/16	9.3	15.6	20.7	56	55 5/16	24.5	39.0	50.0	91	90 1/16	37.7	57.6	74.4	126	125 15/16	49.7	74.3	92.3
22	21 12/16	9.8	16.4	21.7	57	56 8/16	25.0	39.6	50.8	92	91 4/16	38.3	58.4	75.3	127	-	-	-	-
23	22 15/16	10.2	17.1	22.6	58	57 10/16	25.6	40.5	52.0	93	92 6/16	38.7	59.0	76.0	128	127 2/16	50.1	74.8	93.0
24	-	-	-	-	59	58 13/16	26.1	41.1	52.8	94	93 9/16	39.1	59.7	76.7	129	128 5/16	50.4	75.1	93.5
25	24 1/16	10.7	17.8	23.5	60	59 15/16	26.5	41.7	53.6	95	94 11/16	39.8	60.6	77.7	130	129 7/16	50.7	75.4	94.1
26	25 4/16	11.4	18.9	24.9	61	-	-	-	-	96	95 14/16	40.2	61.2	78.4	131	130 10/16	51.1	75.8	94.8
27	26 6/16	11.9	19.7	25.7	62	61 2/16	27.1	42.6	54.7	97	-	-	-	-	132	131 12/16	51.4	76.1	95.3
28	27 9/16	12.3	20.5	26.6	63	62 4/16	27.5	43.1	55.4	98	97	40.6	61.7	78.8	133	132 15/16	51.6	76.4	95.8
29	28 11/16	13.1	21.6	27.8	64	63 7/16	27.9	43.7	56.1	99	98 3/16	41.1	62.3	79.2	134	-	-	-	-
30	29 14/16	13.6	22.4	28.7	65	64 10/16	28.5	44.5	57.1	100	99 5/16	41.4	62.7	79.4	135	134 1/16	51.8	76.7	-
31	-	-	-	-	66	65 12/16	28.9	45.0	57.8	101	100 8/16	41.7	63.0	79.6	136	135 4/16	52.1	77.1	-
32	31	14.0	23.1	29.6	67	66 15/16	29.3	45.5	58.4	102	101 10/16	42.2	63.6	80.0	137	136 6/16	52.2	77.4	-
33	32 3/16	14.7	24.1	31.0	68	-	-	-	-	103	102 13/16	42.6	64.0	80.4	138	137 9/16	52.4	77.7	-
34	33 5/16	15.1	24.7	31.9	69	68 1/16	29.6	45.9	59.1	104	103 15/16	43.0	64.5	81.0	139	138 11/16	52.8	78.2	-
35	34 8/16	15.5	25.4	32.8	70	69 4/16	30.2	46.5	60.0	105	-	-	-	-	140	139 14/16	53.3	78.7	-
36	35 10/16	16.2	26.3	34.2	71	70 6/16	30.5	47.0	60.6	106	105 2/16	43.6	65.3	81.9	141	-	-	-	-
37	36 13/16	16.6	26.9	35.1	72	71 9/16	30.8	47.4	61.3	107	106 5/16	44.0	65.7	82.5	142	141	53.8	79.1	-
38	37 15/16	17.1	27.6	35.9	73	72 11/16	31.4	48.1	62.1	108	107 7/16	44.4	66.2	83.1	143	142 3/16	54.5	79.7	-
39	-	-	-	-	74	73 14/16	31.8	48.8	62.5	109	108 10/16	44.9	66.9	84.0	144	143 5/16	54.9	80.2	-
40	39 2/16	17.7	28.5	37.2	75	-	-	-	-	110	109 12/16	45.2	67.3	84.6					
41	40 4/16	18.1	29.2	38.0	76	75	32.1	49.4	62.9	111	110 15/16	45.5	67.7	85.2					
42	41 7/16	18.5	29.8	38.8	77	76 3/16	32.7	50.4	63.5	112	-	-	-	-					
43	42 10/16	19.2	30.8	40.0	78	77 5/16	33.1	51.1	63.9	113	112 1/16	45.8	68.0	85.7					
44	43 12/16	19.6	31.5	40.8	79	78 8/16	33.5	51.7	64.3	114	113 4/16	46.2	68.6	86.6					
45	44 15/16	20.1	32.2	41.5	80	79 10/16	34.0	52.5	66.2	115	114 6/16	46.5	69.0	87.2					
46	-	-	-	-	81	80 13/16	34.3	53.1	67.5	116	115 9/16	46.8	69.5	87.7					

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)

Nominal Length (in)	Actual Length	Watts				Nominal Length (in)	Actual Length	Watts				Nominal Length (in)	Actual Length	Watts				Nominal Length (in)	Actual Length	Watts			
		LO	SO	MO	HO			LO	SO	MO	HO			LO	SO	MO	HO			LO	SO	MO	HO
12	10 12/16	3.0	4.4	5.8	11.7	47	46 3/16	14.0	22.1	26.9	47.0	82	81 10/16	22.4	37.9	47.1	78.1	118	-	-	-	-	
13	12 12/16	3.7	5.4	7.0	14.7	48	-	-	-	-	83	-	-	-	-	-	118	117 1/16	34.3	54.2	66.8	90.6	
14	-	-	-	-	-	49	48 2/16	14.4	22.8	27.8	48.4	84	83 9/16	22.7	38.8	48.2	79.0	119	-	-	-	-	
15	14 11/16	4.4	6.4	8.1	16.8	50	-	-	-	-	85	-	-	-	-	-	120	119	35.1	55.1	67.9	91.1	
16	-	-	-	-	-	51	50 2/16	15.0	23.7	29.0	50.4	86	85 9/16	23.0	39.7	49.3	79.9	121	121	35.8	56.0	69.0	91.5
17	16 11/16	5.0	7.2	9.0	18.5	52	-	-	-	-	87	-	-	-	-	-	122	-	-	-	-		
18	-	-	-	-	-	53	52 1/16	15.6	24.6	30.2	52.3	88	87 8/16	23.2	40.6	50.5	80.8	123	122 15/16	36.4	57.2	69.8	92.1
19	18 10/16	5.7	8.2	10.2	20.6	54	-	-	-	-	89	-	-	-	-	-	124	-	-	-	-		
20	-	-	-	-	-	55	54 1/16	16.1	25.5	31.3	54.2	90	89 8/16	23.4	41.5	51.6	81.6	125	124 15/16	37.0	58.3	70.6	92.6
21	20 10/16	6.2	9.2	11.4	22.3	56	-	-	-	-	91	-	-	-	-	-	126	-	-	-	-		
22	-	-	-	-	-	57	56	16.7	26.4	32.5	56.1	92	91 7/16	23.7	42.4	52.8	82.4	127	126 14/16	37.7	59.4	71.4	93.1
23	22 9/16	6.7	10.2	12.6	23.9	58	58	17.3	27.3	33.7	57.9	93	-	-	-	-	-	128	-	-	-	-	
24	-	-	-	-	-	59	-	-	-	-	94	93 7/16	24.3	43.3	54.0	83.0	129	128 14/16	38.3	60.0	72.1	93.2	
25	24 9/16	7.1	11.2	13.9	25.4	60	59 15/16	17.8	28.1	34.9	59.6	95	-	-	-	-	-	130	-	-	-	-	
26	-	-	-	-	-	61	-	-	-	-	96	95 6/16	24.9	44.3	55.3	83.6	131	130 13/16	38.9	60.7	72.8	93.3	
27	26 8/16	7.7	12.3	15.1	27.4	62	61 15/16	18.3	29.0	36.0	62.1	97	-	-	-	-	-	132	-	-	-	-	
28	-	-	-	-	-	63	-	-	-	-	98	97 6/16	25.6	45.3	56.5	84.3	133	132 13/16	39.5	61.3	73.5	93.5	
29	28 8/16	8.4	13.5	16.4	29.5	64	63 14/16	18.6	29.9	37.2	65.4	99	-	-	-	-	-	134	-	-	-	-	
30	-	-	-	-	-	65	-	-	-	-	100	99 5/16	26.6	46.2	57.5	84.9	135	134 12/16	40.1	62.4	74.2	93.8	
31	30 7/16	9.0	14.6	17.6	31.6	66	65 14/16	18.9	30.8	38.3	68.6	101	-	-	-	-	-	136	-	-	-	-	
32	-	-	-	-	-	67	-	-	-	-	102	101 5/16	27.6	47.2	58.4	85.5	137	136 12/16	40.8	63.4	74.8	94.2	
33	32 6/16	9.7	15.6	18.7	33.7	68	67 13/16	19.3	31.8	39.4	70.7	103	-	-	-	-	-	138	-	-	-	-	
34	-	-	-	-	-	69	-	-	-	-	104	103 4/16	28.5	48.1	59.4	86.2	139	138 11/16	41.4	64.4	75.4	94.5	
35	34 6/16	10.4	16.5	19.8	35.7	70	69 13/16	19.8	32.8	40.6	71.8	105	-	-	-	-	-	140	-	-	-	-	
36	-	-	-	-	-	71	-	-	-	-	106	105 4/16	29.1	49.1	60.5	86.8	141	140 11/16	42.0	65.0	76.1	94.1	
37	36 5/16	11.0	17.4	20.8	37.7	72	71 12/16	20.2	33.9	41.7	72.8	107	-	-	-	-	-	142	-	-	-	-	
38	-	-	-	-	-	73	-	-	-	-	108	107 3/16	29.7	50.1	61.7	87.4	143	142 10/16	42.5	65.4	76.5	93.7	
39	38 5/16	11.6	18.4	22.0	39.6	74	73 12/16	20.7	34.8	42.8	74.0	109	-	-	-	-	-	144	-	-	-	-	
40	-	-	-	-	-	75	-	-	-	-	110	109 3/16	30.4	51.0	62.8	88.1							
41	40 4/16	12.2	19.4	23.3	41.4	76	75 11/16	21.3	35.6	44.0	75.1	111	-	-	-	-	-						
42	-	-	-	-	-	77	-	-	-	-	112	111 2/16	31.3	51.6	63.6	88.6							
43	42 4/16	12.8	20.3	24.5	43.1	78	77 11/16	21.8	36.4	45.1	76.3	113	-	-	-	-	-						
44	-	-	-	-	-	79	-	-	-	-	114	113 2/16	32.4	52.5	64.7	89.4							
45	44 3/16	13.4	21.3	25.7	45.0	80	79 10/16	22.2	37.1	46.0	77.1	115	-	-	-	-	-						
46	-	-	-	-	-	81	-	-	-	-	116	115 1/16	33.6	53.3	65.8	90.2							

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 (HE64)

Nominal Length (in)	Actual Length	Watts	Nominal Length (in)	Actual Length	Watts	Nominal Length (in)	Actual Length	Watts
		VHO			VHO			VHO
12	11 8/16	14.5	47	46 5/16	58.2	82	81 3/16	91.5
13	–	–	48	47 14/16	60.1	83	82 11/16	92.1
14	13	16.4	49	–	–	84	–	–
15	14 9/16	18.2	50	49 6/16	62.0	85	84 3/16	92.7
16	–	–	51	50 14/16	63.8	86	85 11/16	93.3
17	16 1/16	20.1	52	–	–	87	–	–
18	17 9/16	22.0	53	52 6/16	65.6	88	87 4/16	94.0
19	–	–	54	53 15/16	67.4	89	88 12/16	94.6
20	19 1/16	23.9	55	–	–	90	–	–
21	20 10/16	25.7	56	55 7/16	69.6	91	90 4/16	95.2
22	–	–	57	56 15/16	71.2	92	91 12/16	95.8
23	22 2/16	27.6	58	–	–	93	–	–
24	23 10/16	29.5	59	58 7/16	72.8	94	93 4/16	–
25	–	–	60	59 15/16	74.4	95	94 13/16	–
26	25 2/16	31.4	61	–	–	96	–	–
27	26 10/16	33.3	62	61 8/16	75.6	97	96 5/16	–
28	–	–	63	63	76.8	98	97 13/16	–
29	28 3/16	35.2	64	–	–	99	–	–
30	29 11/16	37.2	65	64 8/16	78.0	100	99 5/16	–
31	–	–	66	–	–	101	100 14/16	–
32	31 3/16	39.1	67	66	79.2	102	–	–
33	32 11/16	41.0	68	67 9/16	80.3	103	102 6/16	–
34	–	–	69	–	–	104	103 14/16	–
35	34 4/16	42.9	70	69 1/16	81.3	105	–	–
36	35 12/16	44.9	71	70 9/16	82.4	106	105 6/16	–
37	–	–	72	–	–	107	106 15/16	–
38	37 4/16	46.7	73	72 1/16	83.4	108	–	–
39	38 12/16	48.6	74	73 9/16	85.1	109	108 7/16	–
40	–	–	75	–	–	110	109 15/16	–
41	40 4/16	50.4	76	75 2/16	86.8	111	–	–
42	41 13/16	52.3	77	76 10/16	88.5	112	111 7/16	–
43	–	–	78	–	–	113	112 15/16	–
44	43 5/16	54.2	79	78 2/16	90.2	114	–	–
45	44 13/16	56.2	80	79 10/16	90.8	115	114 8/16	–
46	–	–	81	–	–	116	116	–

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

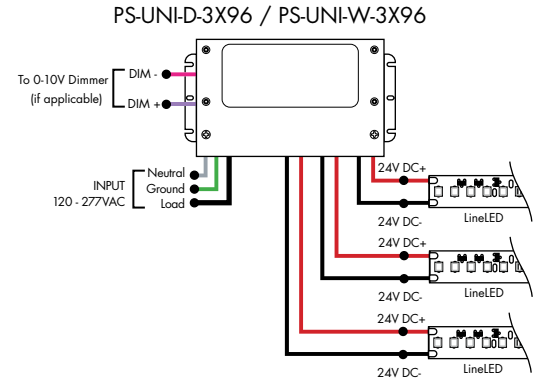
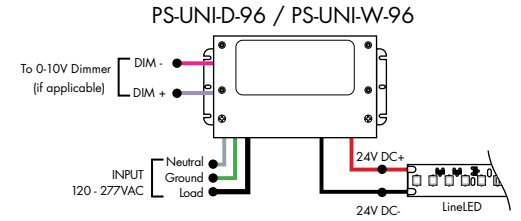
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

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



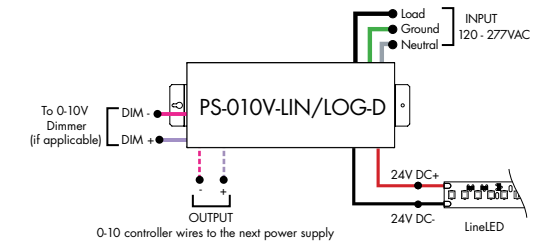
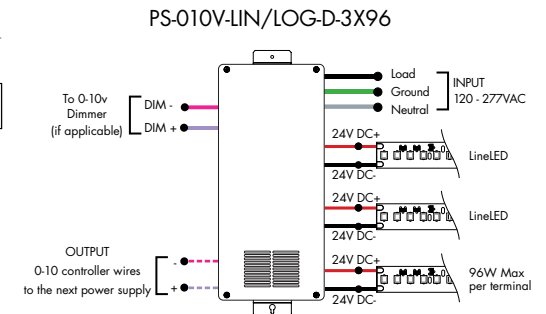
MODELS	PS-UNI-W-30W	PS-UNI-W-60W	PS-UNI-W-96W	PS-UNI-W-3X96W
Length	6.50"	7.40"	8.66"	11.85"
Width	3.73"	3.73"	3.73"	4.32"
Depth	1.61"	1.61"	1.61"	1.81"

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"

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

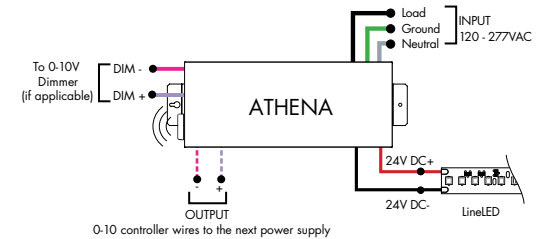
MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.45"



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"



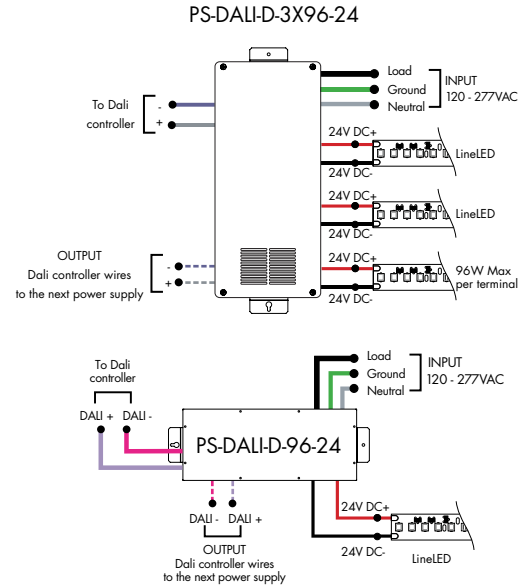
Power Supplies

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 DALI 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"

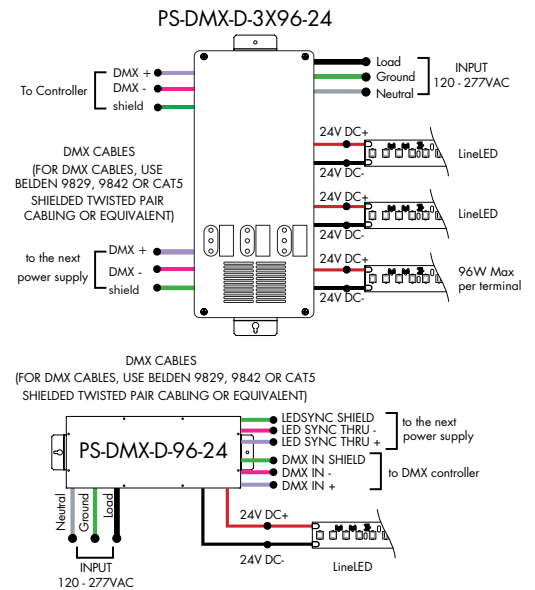


Ordering Code DMX Dimming Power Supplies 0.1% 120VAC - 277VAC Requires Zonal Control

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.

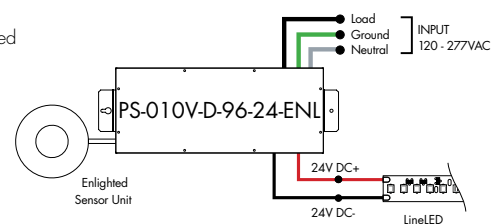
MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"



Ordering Code Enlightened 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"

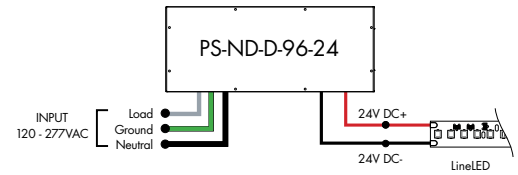


Power Supplies

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

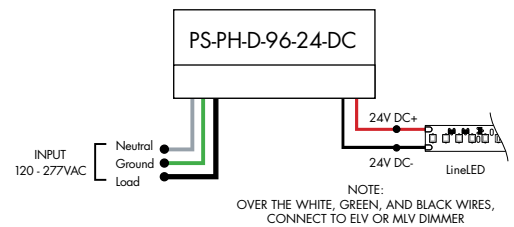
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	ND - Non Dimming	D - Dry	96-96 Watts	24 - 24 VDC



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

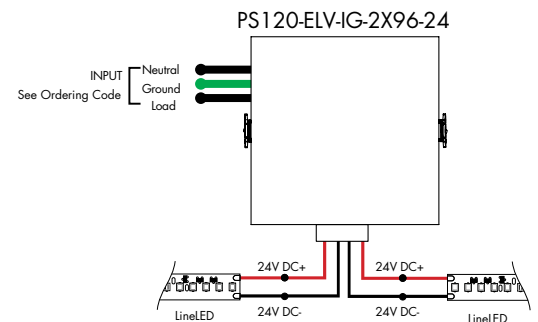


MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart ([link](#))

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.



Luminii is a Lutron OEM Advantage Partner

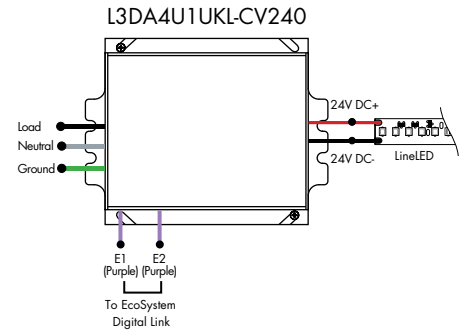
Lutron Power Supplies 1%

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"

