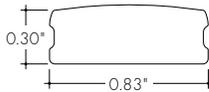




**Features**

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 90' depending on output
- Suitable for undercabinet, millwork, surface mount, direct view, cove, architectural reveals
- Approved for closet/storage space installation per NEC 410.16(A) (3) and 410.16(C)(5) on outputs 5.7W/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
- Vibrant Color options offer premium color quality with R9 values up to 98
- High Efficacy options offer best in class output and efficacy with over 1230 lm/ft and up to 146 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	Vibrant Color VC72						
OUTPUT OPTIONS	VC72VLO	VC72LO	VC72SO	VC72MO	VC72HO	VC72VHO	VC72XHO
Lumens Output (3000K) [with a Clear Lens]	116 lm/ft	295 lm/ft	393 lm/ft	519 lm/ft	627 lm/ft	835 lm/ft	996 lm/ft
Average Power Consumption (for a 4" section)	1.1 W/ft	2.8 W/ft	3.7 W/ft	4.9 W/ft	5.9 W/ft	7.9 W/ft	9.9 W/ft
Efficacy	105 lm/W	105 lm/W	106 lm/W	106 lm/W	106 lm/W	106 lm/W	101 lm/W
Max Run Length (in series)	56.9 ft	32 ft	28 ft	24 ft	21 ft	18 ft	12 ft
Ambient Operating Temperature Range*	-4°F - 122°F (-20°C - 50°C)				-4°F - 104°F (-20°C - 40°C)		-4°F - 77°F (-20°C - 25°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.

CCT	Multiplier (ref. - 30K)	TM-30			
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
1800K	0.50	95	94	99	86
2200K	0.66	96	94	101	95
2400K	0.90	98	96	101	91
2700K	0.93	98	96	102	93
3000K	1.00	97	94	104	99
3500K	1.04	96	94	105	97
4100K	1.05	97	95	104	96

TYPE	High Efficacy HE64						
OUTPUT OPTIONS	HE64VLO	HE64LO	HE64SO	HE64MO	HE64HO	HE64VHO	HE64XHO
Lumens Output (3000K) [with a Clear Lens]	128 lm/ft	277 lm/ft	397 lm/ft	528 lm/ft	750 lm/ft	1028 lm/ft	1238 lm/ft
Average Power Consumption (for a 4" section)	1 W/ft	1.9 W/ft	2.9 W/ft	3.8 W/ft	5.6 W/ft	7.1 W/ft	8.9 W/ft
Efficacy	128 lm/W	146 lm/W	137 lm/W	139 lm/W	134 lm/W	145 lm/W	139 lm/W
Max Run Length (in series)	90 ft	55 ft	34.9 ft	26 ft	17 ft	13 ft	10.3 ft
Ambient Operating Temperature Range*	-4°F - 122°F (-20°C - 50°C)				-4°F - 113°F (-20°C - 45°C)		-4°F - 86°F (-20°C - 30°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.

CCT	Multiplier (ref. - 30K)	TM-30			
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
2200K	0.74	94	91	96	65
2400K	0.87	94	92	97	56
2700K	0.97	94	92	100	57
3000K	1.00	93	91	99	54
3500K	1.01	95	91	99	62
4000K	1.04	95	91	99	68

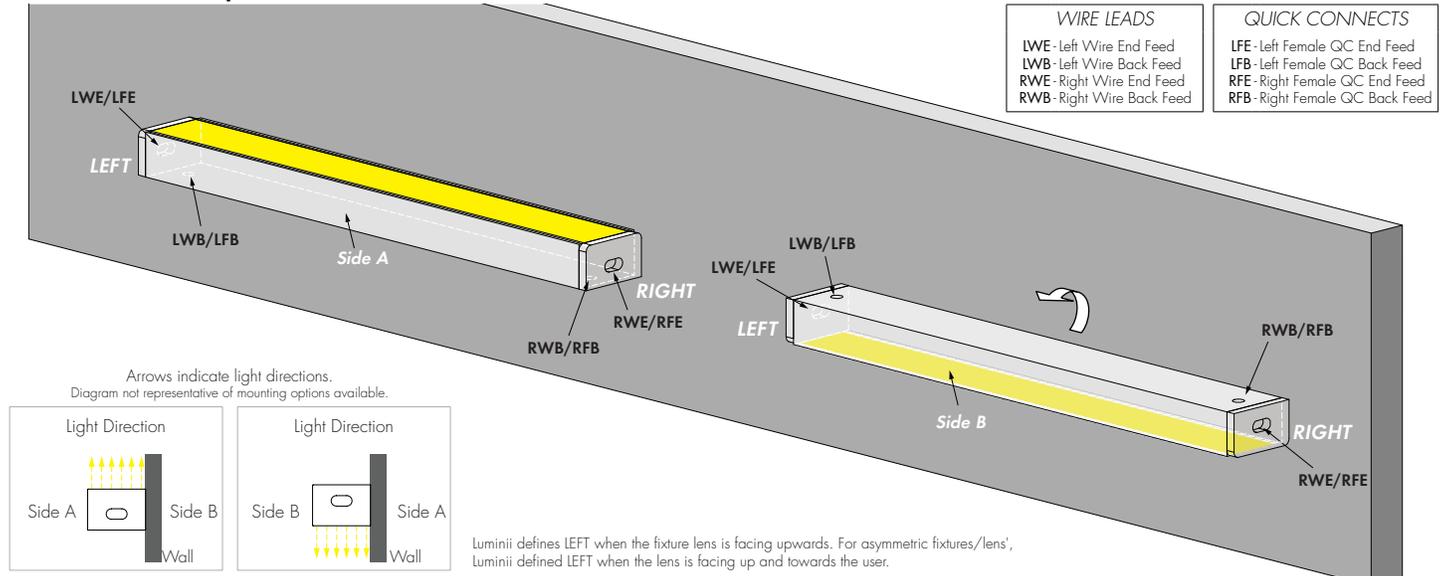
**Ordering Code**

MODEL	LENGTH <sup>1</sup>	OUTPUT <sup>2</sup>	CCT	LENS	MOUNTING	FINISH <sup>3</sup>	FEED POSITION LEFT <sup>5</sup>	FEED POSITION RIGHT <sup>5</sup>
KL - Kendo L	12"-144" 1" increments	VC72VLO - Very Low	18K - 1800K	C - Clear Lens HF - Half-Frosted F - Frosted	FC - Fixed Clip A - Adjustable Hinge Mounting, up to 90° FC45 - Fixed Clip, 45° MAG - Magnetic	BASE SA - Silver Anodized	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
		VC72LO - Low	22K - 2200K					
	12"-144" 2" increments	VC72SO - Standard	24K - 2400K			POWDER COAT BK - Black BZ - Bronze WH - White	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
		VC72MO - Medium	27K - 2700K					
		VC72HO - High	30K - 3000K			PREMIUM MBK - Matte Black WN - Warm Nickel AB - Aged Brass PG - Polished Gold <sup>4</sup> CH - Chrome <sup>4</sup>		
		VC72VHO - Very High	35K - 3500K					
		VC72XHO - Extreme	41K - 4100K					
		HE64VLO - Very Low	22K - 2200K					
		HE64LO - Low	24K - 2400K					
		HE64SO - Standard	27K - 2700K					
		HE64MO - Medium	30K - 3000K					
		HE64HO - High	35K - 3500K					
		HE64VHO - Very High	40K - 4000K					
		HE64XHO - Extreme						

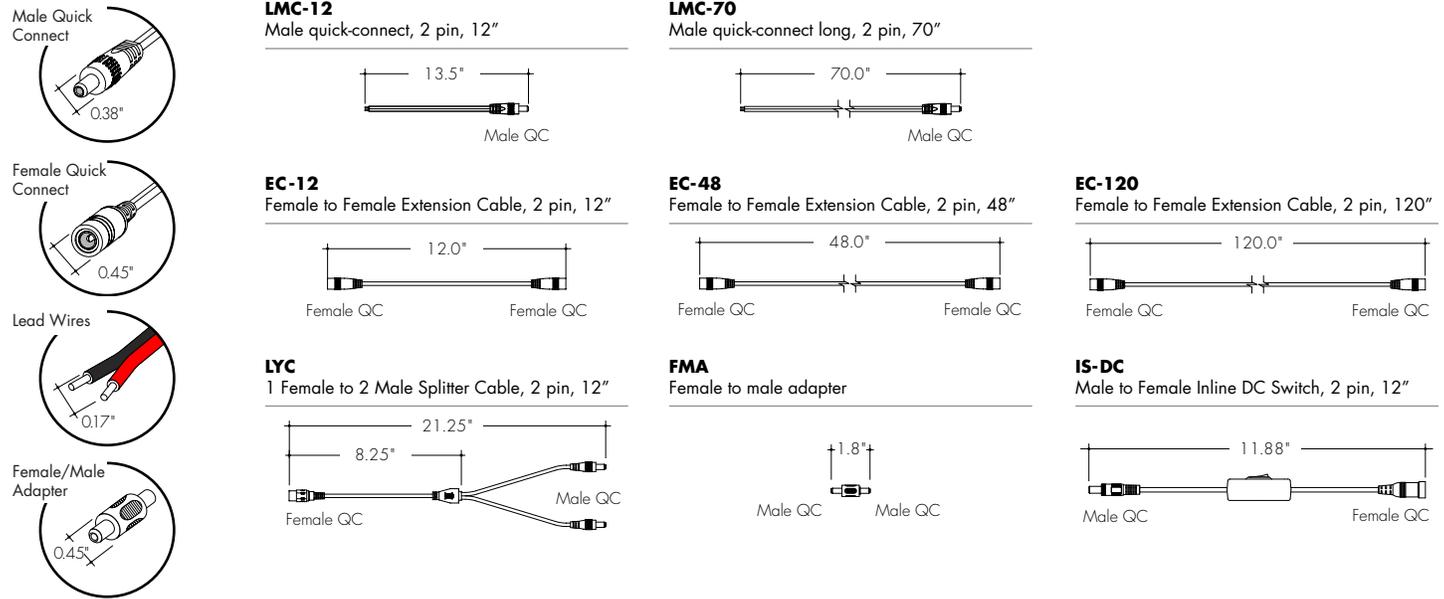
1 - Custom lengths and increments are available, please consult Inside Sales with specific request.  
 2 - Title 24 JA8 achievable depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.  
 3 - Non Base finishes may have extended lead times. Custom RALs 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**

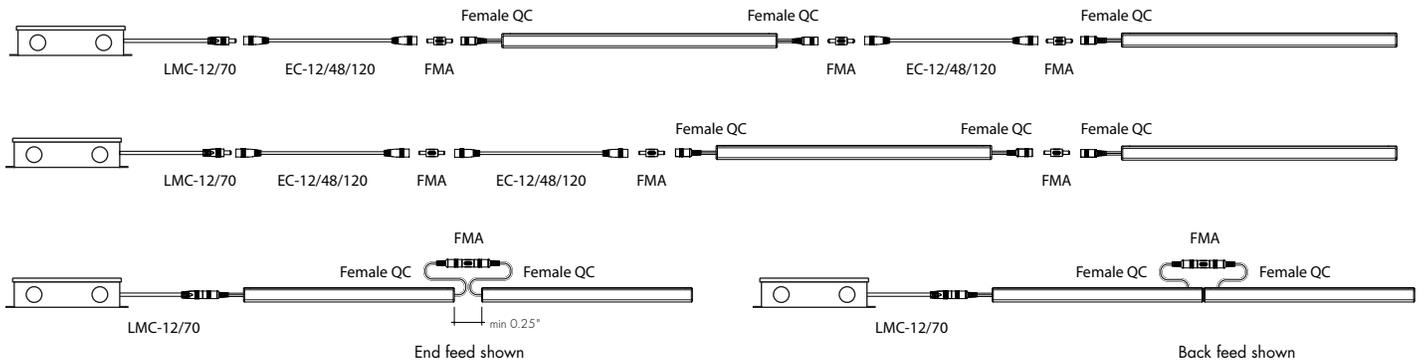
**Power Feed Position Options and Orientation**



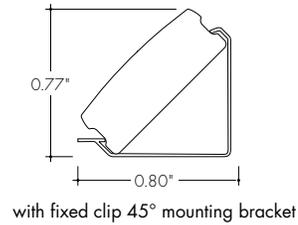
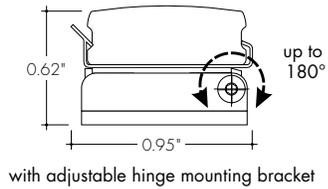
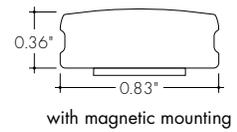
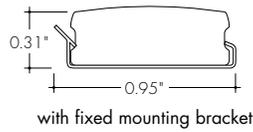
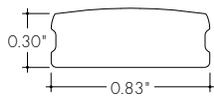
**Linking and Extension Cable Options**



**Sample Layout**



**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**

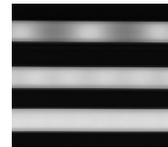


Chrome is a highly reflective silver polish.

Light Transmission and Dotting

Output Options	Lens/Accessory											
	Clear Lens				Half Frosted Lens				Frosted Lens			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%
VC72VLO	CD	CD	CD	CD	ND	SD	SD	CD	ND	ND	ND	ND
VC72LO	CD	CD	CD	CD	ND	SD	SD	CD	ND	ND	ND	ND
VC72SO	CD	CD	CD	CD	ND	SD	SD	CD	ND	ND	ND	ND
VC72MO	CD	CD	CD	CD	ND	SD	SD	CD	ND	ND	ND	ND
VC72HO	CD	CD	CD	CD	ND	SD	SD	CD	ND	ND	ND	ND
VC72VHO	CD	CD	CD	CD	ND	SD	SD	CD	ND	ND	ND	ND
VC72XHO	CD	CD	CD	CD	ND	SD	SD	CD	ND	ND	ND	ND
HE64VLO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE64LO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE64SO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE64MO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE64HO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE64VHO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
HE64XHO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
<b>Transmission Percentage</b>	100%				83%				67%			

Use complete Dotting Chart Tool online for more dotting information

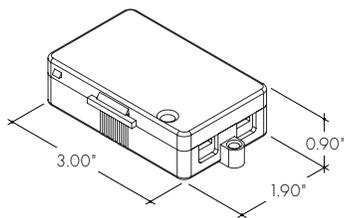


CD - Clear Dotting  
SD - Slight Dotting  
ND - No Dotting

Accessory Options

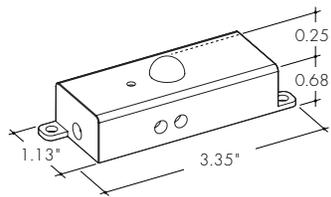
LVSP-4T-BK

Low Voltage, 4 Terminal Splice Box, Black, IP20



OS-DC-F4-BK

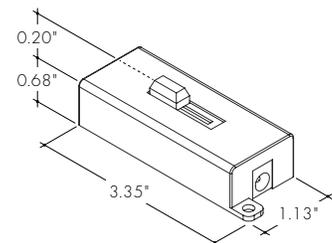
Occupancy Sensor



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

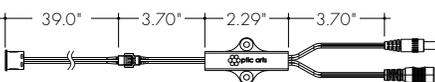


Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output.

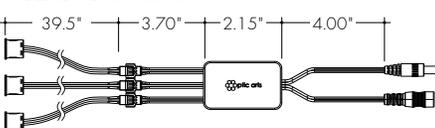
NL.EX.D1.B & NL.EX.D3.B

Near Infrared Remote Door Sensor

NL.EX.D1.B - 1 IR Sensor



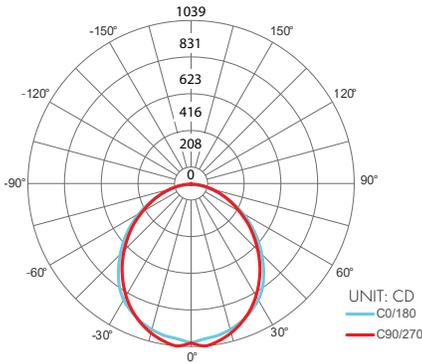
NL.EX.D3.B - 3 IR Sensor



Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output. For more information visit Sensor Spec Sheet [Link](#)

Photometry

KL-48-VC72VHO-30K-HF  
Kendo L, 4ft, VHO, 3000K, Half Frosted Lens

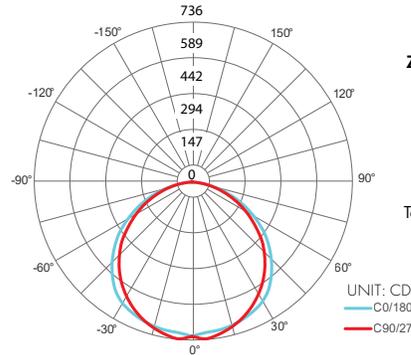


Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	195	28%
0-40	317	46%
0-60	546	78%
0-90	686	99%
<b>Total</b>	<b>696</b>	<b>100%</b>



KL-48-VC72VHO-30K-F  
Kendo L, 4ft, VHO, 3000K, Frosted Lens

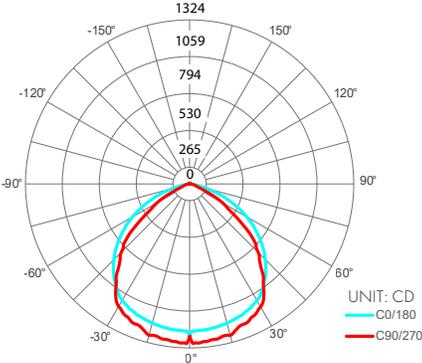


Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	142	26%
0-40	236	42%
0-60	425	76%
0-90	549	99%
<b>Total</b>	<b>557</b>	<b>100%</b>



KL-48-VC72VHO-30K-C  
Kendo L, 4ft, VHO, 3000K, Clear Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	252	30%
0-40	416	50%
0-60	710	85%
0-90	829	99%
<b>Total</b>	<b>835</b>	<b>100%</b>



**Power Consumption**

Please visit the link/QR code below to access the Luminii Power Consumption Chart tool on our website.

There you will be able to select your fixture, output, and desired power feed to get a full power consumption table.



I'm also click-able

Desired Nominal Length: \_\_\_\_\_

Desired Output: \_\_\_\_\_

Desired CCT: \_\_\_\_\_

**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.

### For use with Static White

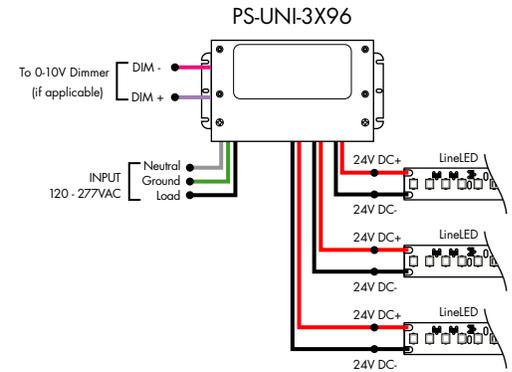
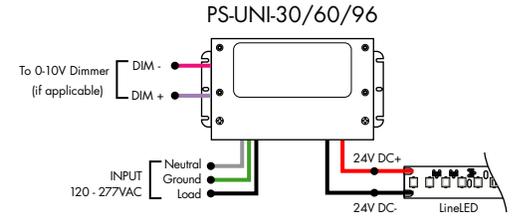
#### Ordering Code - Universal Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)	30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC

Compatibility: View a complete list of compatible dimmers on the PS-UNI product page.

0-10V - 0.1% dimming  
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

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

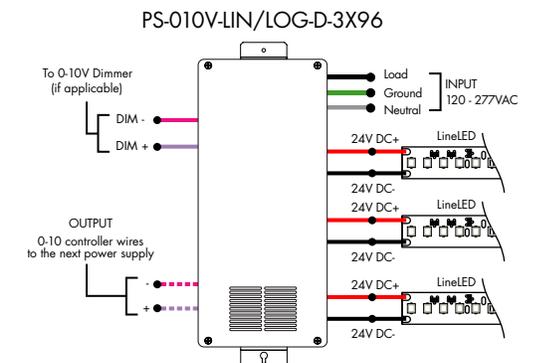
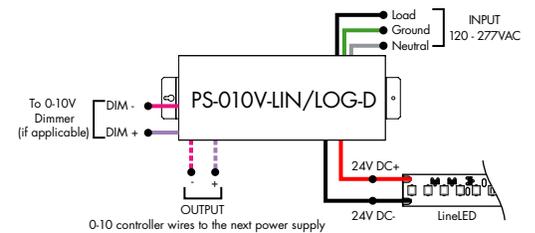


### For use with Static White

#### 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
<b>Length</b>	14.40"	15.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.45"



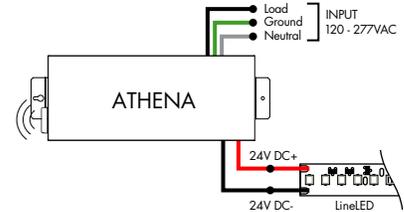
## Power Supplies

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.

### For use with Static White

#### Ordering Code - Athena 0-10V LED Driver

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
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	24 - 24 VDC	AWN-R-Athena

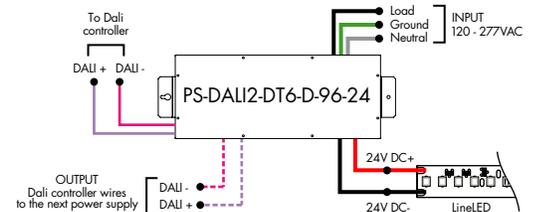


MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

### For use with Static White

#### Ordering Code - DALI 2 Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	DALI2-DT6 - DALI2 DT6 (0.1%)	D-Dry	96-96 Watts	24 - 24 VDC

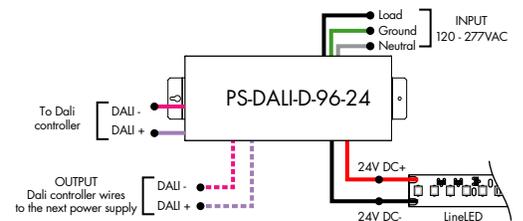


Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

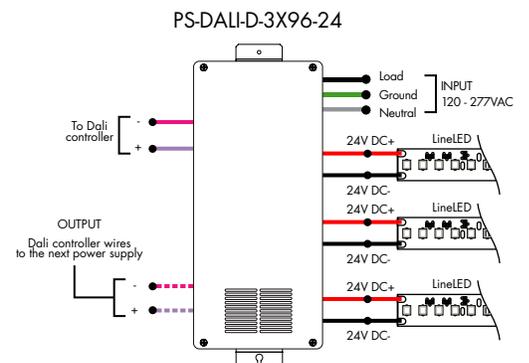
### For use with Static White

#### 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"



## 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.

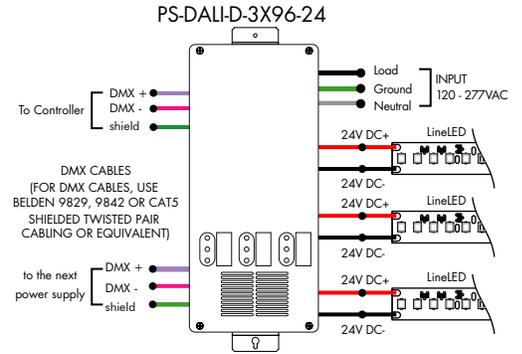
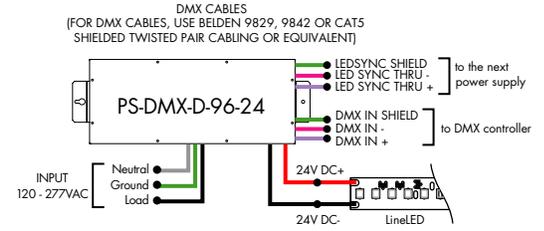
### For use with Static White

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

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

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

ZONAL CONTROL POWER SUPPLIES.  
CONTROL MULTIPLE TAPES/ZONES USING DMX CHANNELS.

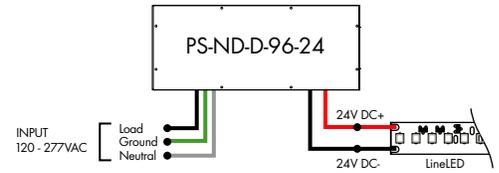


### For use with Static White

#### 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"

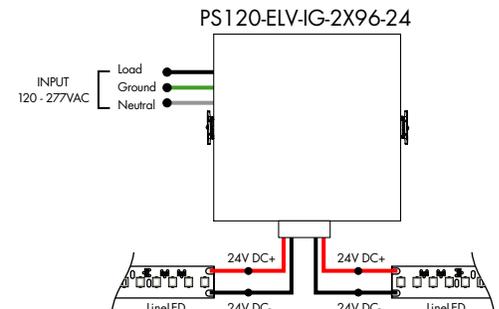


### For use with Static White

#### 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

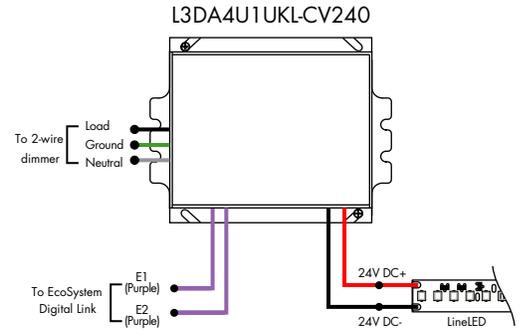
Lutron Power Supplies 1%

MODEL

**L3DA4U1UKL-CV240**

HiLume™ 1% EcoSystem Voltage LED driver 40W max

MODELS	L3DA4U1UKL-CV240
<b>Length</b>	4.98"
<b>Width</b>	4.00"
<b>Depth</b>	2.62"



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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
<b>Length</b>	10.50"
<b>Width</b>	5.50"
<b>Depth</b>	2.00"

