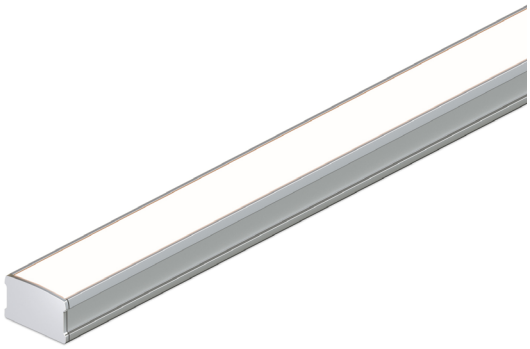
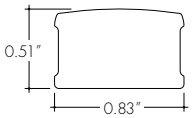


Features

- 24VDC Class 2 and IP68 rated for wet locations, fixtures made to order up to 144". Fixtures can be linked up to 90' depending on output
- Suitable for surface mount, direct view, outdoor, wet, and accent lighting applications
- 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 97
- High Efficacy options offer best in class output and efficacy with over 800 lm/ft and up to 94 lm/W
- Average Life (L70): 50,000hrs
- 5 year warranty

IP68



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		

RoHS Declare. CE · Single Bin +/- 30 CCT · DIM · MADE IN U.S.A · TITLE 24 JA8 COMPLIANT · BAA & BABA · c UL us LISTED

Technical Information

TYPE	Vibrant Color VC72						
OUTPUT OPTIONS	**VC72VLO**	**VC72LO**	**VC72SO**	**VC72MO**	**VC72HO**	**VC72VHO**	**VC72XHO**
Lumens Output (3000K) (with a Clear Lens)	75 lm/ft	191 lm/ft	254 lm/ft	336 lm/ft	406 lm/ft	540 lm/ft	644 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	10.1 W/ft
Efficacy	68 lm/W	68 lm/W	69 lm/W	69 lm/W	69 lm/W	68 lm/W	64 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*	-13°F – 122°F (-25°C – 50°C)					-13°F – 104°F (-25°C – 40°C)	-13°F – 77°F (-25°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.

Vibrant Color (VC72)

CCT	Multiplier (ref. - 30K)	TM-30 CRI	R_f	R_g	R_9
2700K	0.79	96	89	95	97
3000K	1.00	96	93	97	87
3500K	1.03	97	94	99	89
4000K	1.05	96	95	101	90

TYPE	High Efficacy HE64						
OUTPUT OPTIONS	**HE64VLO**	**HE64LO**	**HE64SO**	**HE64MO**	**HE64HO**	**HE64VHO**	**HE64XHO**
Lumens Output (3000K) (with a Clear Lens)	83 lm/ft	179 lm/ft	257 lm/ft	341 lm/ft	485 lm/ft	665 lm/ft	801 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	83 lm/W	94 lm/W	89 lm/W	90 lm/W	87 lm/W	94 lm/W	90 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*	-13°F – 122°F (-25°C – 50°C)					-13°F – 113°F (-25°C – 45°C)	-13°F – 86°F (-25°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.

High Efficacy (HE64)

CCT	Multiplier (ref. - 30K)	TM-30 CRI	R_f	R_g	R_9
2700K	0.90	96	89	94	74
3000K	1.00	96	91	97	69
3500K	1.05	97	92	101	78
4000K	1.09	96	90	99	73

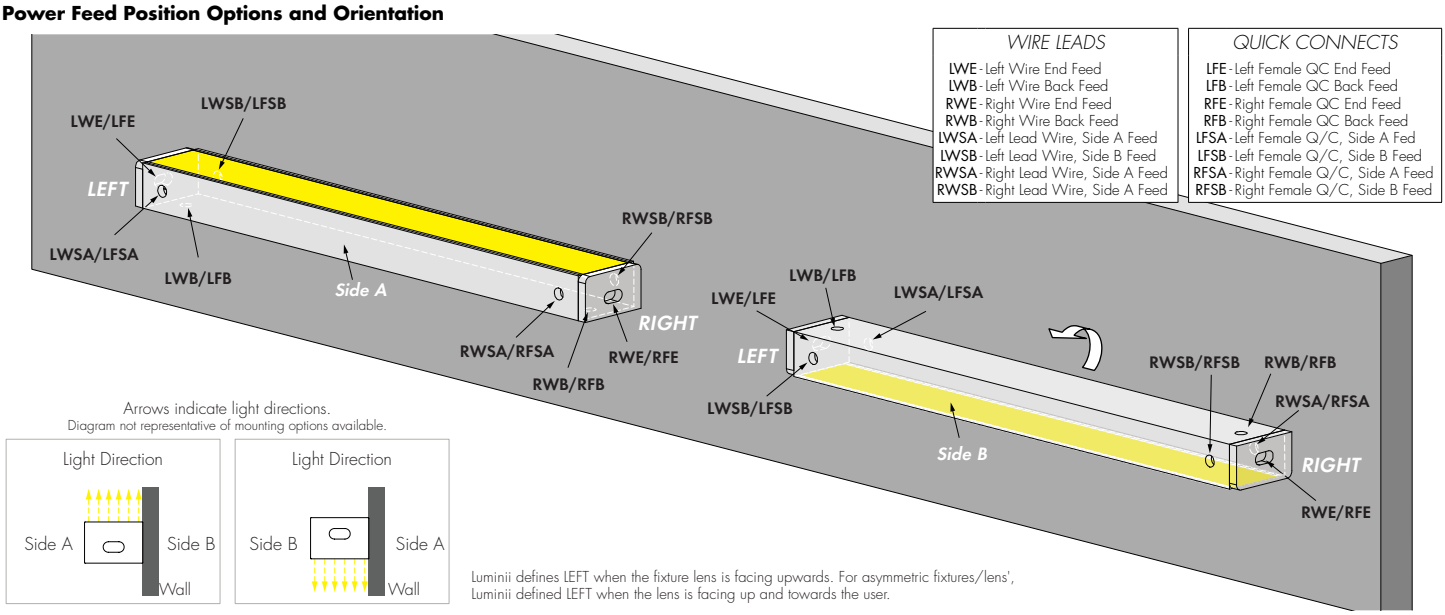
Ordering Code

MODEL	LENGTH[1]	OUTPUT[2]	CCT	LENS	MOUNTING	FINISH[3]	FEED POSITION LEFT[5]	FEED POSITION RIGHT[5]
KXLW - Kendo XL Wet	12"–144" 1" increments	VC72VLO - Very Low VC72LO - Low VC72SO - Standard VC72MO - Medium VC72HO - High VC72VHO - Very High VC72XHO - Extreme	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	C - Clear Lens F - Frosted	FC - Fixed Clip A - Adjustable Hinge Mounting, up to 90° FC45 - Fixed Clip 45°	*BASE* SA - Silver Anodized *POWDER COAT* BK - Black BZ - Bronze WH - White	*WIRE LEADS (72")* LWE - Wire End Feed LWB - Wire Back Feed LWSA - Wire Side A Feed LWSB - Wire Side B Feed LNPF - No Power Feed	*WIRE LEADS (72")* RWE - Wire End Feed RWB - Wire Back Feed RWSA - Wire Side A Feed RWSB - Wire Side B Feed RNPF - No Power Feed
	12"–144" 2" increments	HE64VLO - Very Low HE64LO - Low HE64SO - Standard HE64MO - Medium HE64HO - High HE64VHO - Very High HE64XHO - Extreme	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 (6")* LFE - Female Q/C, End Feed LFB - Female Q/C, Back Feed LFSA - Female Q/C,Side A Feed LFSB - Female Q/C,Side B Feed LNPF - No Power Feed	*QUICK CONNECTS (6")* RFE - Female Q/C, End Feed RFB - Female Q/C, Back Feed RFSA - Female Q/C,Side A Feed RFSB - Female Q/C,Side B Feed RNPF - No Power Feed

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 - LNPF - RNPF is not a valid configuration option
5 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".

Powerfeeds and Connectors

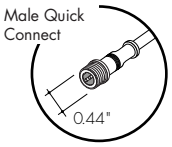
Power Feed Position Options and Orientation

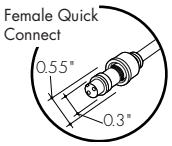


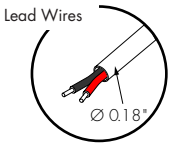
Arrows indicate light directions.
Diagram not representative of mounting options available.

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.

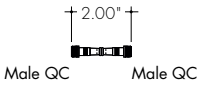
Linking and Extension Cable Options



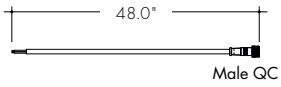




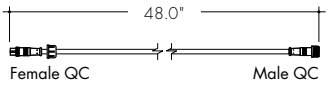
WET-FMA-2-2
Female to Male Adapter, 2 pin



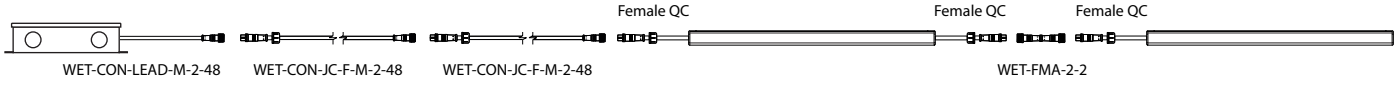
WET-CON-LEAD-M-2-48
Male Wet Connector Cable, 2 pin, 48"

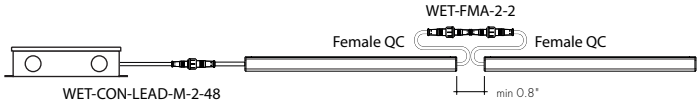


WET-CON-JC-F-M-2-48
Female/Male Wet Jumper Cable, 2 pin, 48"

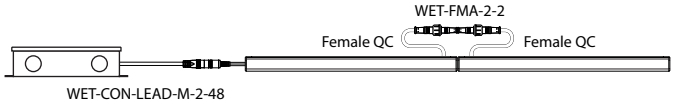


Sample Layout



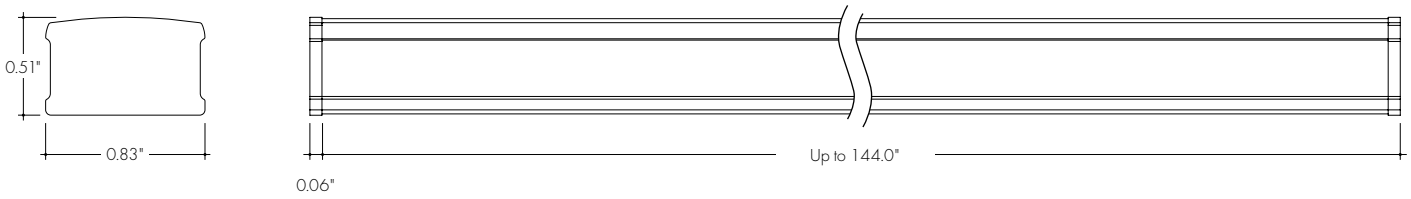


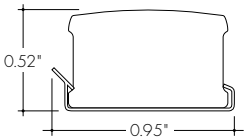
End feed shown



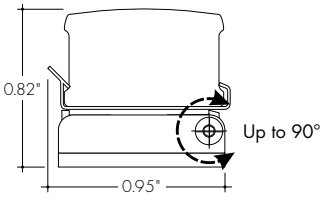
Side and Back feed shown

Product Dimensions

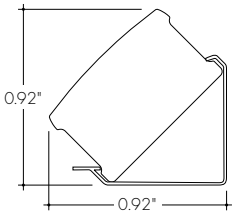




with fixed clip mounting bracket



with adjustable hinge mounting bracket, Up to 90°

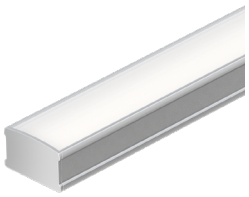


with fixed clip 45° mounting bracket

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.

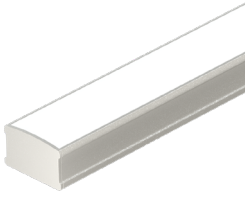
White
Powder Coat

White is a polar bright white and field paintable.

Matte Black
Premium

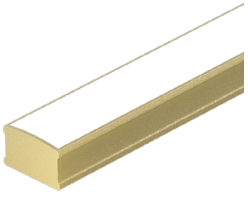
Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel
Premium



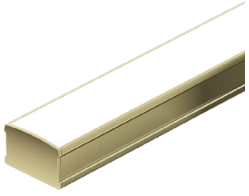
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass
Premium



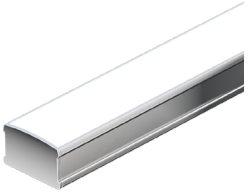
Aged Brass is a deep brown shade with slightly golden undertones.

Polished Gold
Premium



Polished Gold is bright and radiant for a brilliant finish.

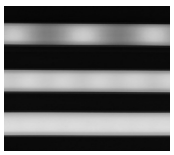
Chrome
Premium



Chrome is a highly reflective silver polish.

Light Transmission and Dotting

Output Options	Lens/Accessory							
	Clear Lens				Frosted Lens			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%
VC72VLO	CD	CD	CD	CD	ND	ND	ND	ND
VC72LO	CD	CD	CD	CD	ND	ND	ND	ND
VC72SO	CD	CD	CD	CD	ND	ND	ND	ND
VC72MO	CD	CD	CD	CD	ND	ND	ND	ND
VC72HO	CD	CD	CD	CD	ND	ND	ND	ND
VC72VHO	CD	CD	CD	CD	ND	ND	ND	ND
VC72XHO	CD	CD	CD	CD	ND	ND	ND	ND
HE64VLO	CD	CD	CD	CD	ND	ND	ND	ND
HE64LO	CD	CD	CD	CD	ND	ND	ND	ND
HE64SO	CD	CD	CD	CD	ND	ND	ND	ND
HE64MO	CD	CD	CD	CD	ND	ND	ND	ND
HE64HO	CD	CD	CD	CD	ND	ND	ND	ND
HE64VHO	CD	CD	CD	CD	ND	ND	ND	ND
HE64XHO	CD	CD	CD	CD	ND	ND	ND	ND
Transmission Percentage	100%				82%			



CD - Clear Dotting

SD - Slight Dotting

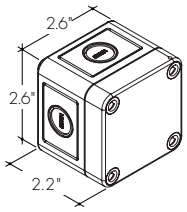
ND - No Dotting

Use complete Dotting Chart Tool online for more dotting information

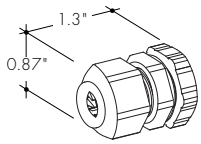
I'm also click-able

Accessory Options

LVSP-WET
Splice box: wet rated, low voltage, gray, IP66

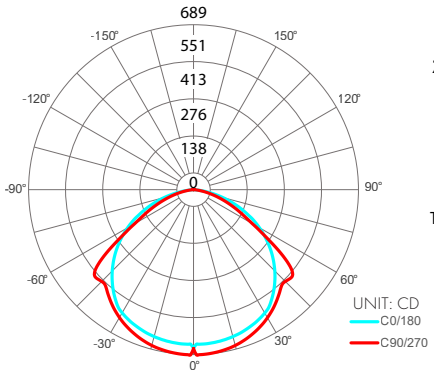


LVSP-WET-CM
Connector for splice box, low voltage for cable management, gray.



Photometry

KXLW-48-VC72VHO-30K-C
Kendo XL Wet, 4ft, VHO, 3000K, Clear Lens

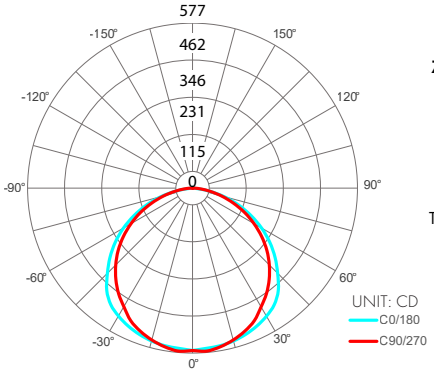


Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	141	26%
	0-40	236	44%
	0-60	436	81%
	0-90	537	99%
Total	0-180	540	100%

Beam Angle
118°

KXLW-48-VC72VHO-30K-F
Kendo XL Wet, 4ft, VHO, 3000K, Frosted Lens



Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	113	26%
	0-40	188	43%
	0-60	338	77%
	0-90	435	99%
Total	0-180	440	100%

Beam Angle
115°

*LUMINII RESERVES THE RIGHTS TO CHANGE SPECIFICATION & INSTRUCTION WITHOUT NOTICE

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, ouput, 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

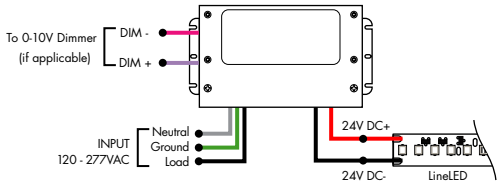
MODEL		INPUT CONTROL		WATTAGE		OUTPUT
	–		–		–	
PS - Power Supply, 120-277VAC		UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)		30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts		24 - 24 VDC

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

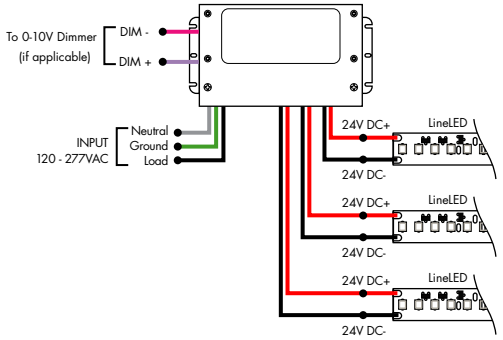
0-10V - 0.1% dimming
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

MODELS	PS-UNI-30W	PS-UNI-60W	PS-UNI-96W	PS-UNI-3X96W
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"

PS-UNI-30/60/96



PS-UNI-3X96

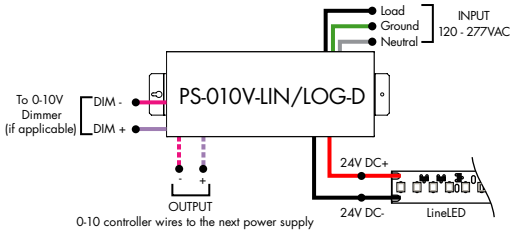


For use with Static White

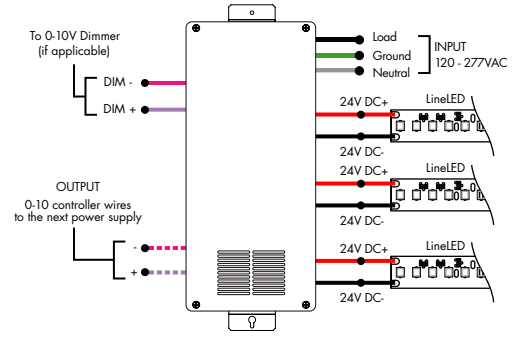
Ordering Code - 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

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
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.45"



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



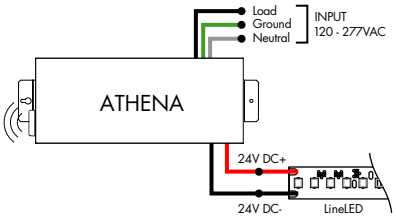
Power Supplies

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	AWNR-Athena

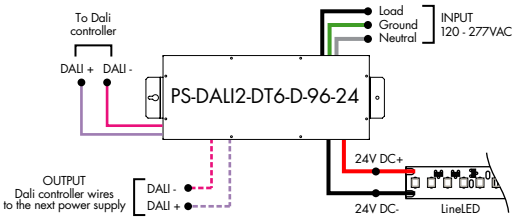


MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

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

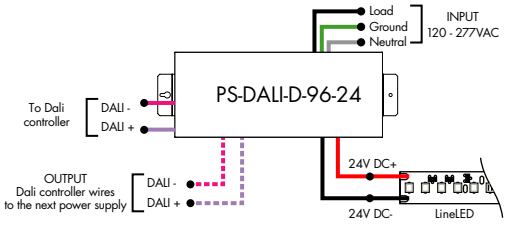


Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

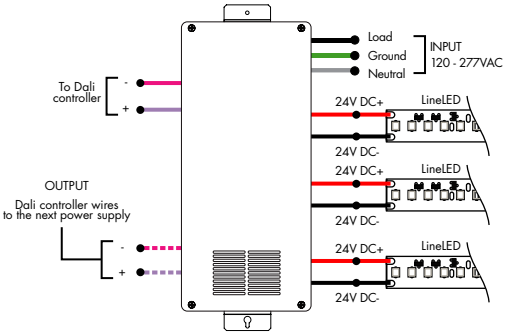
For use with Static White

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



PS-DALI-D-3X96-24



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.

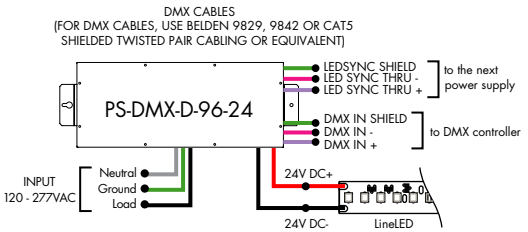
For use with Static White

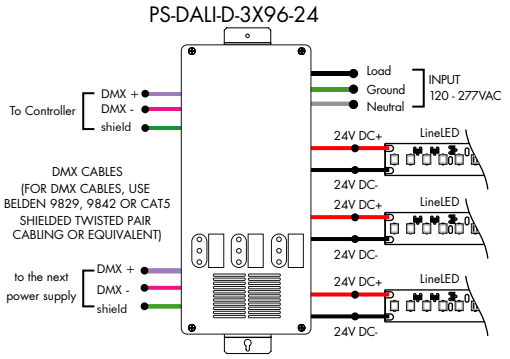
Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

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.



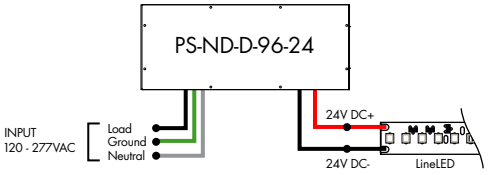


For use with Static White

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"

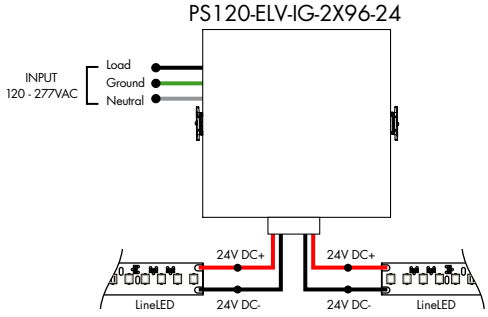


For use with Static White

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.

LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 1%

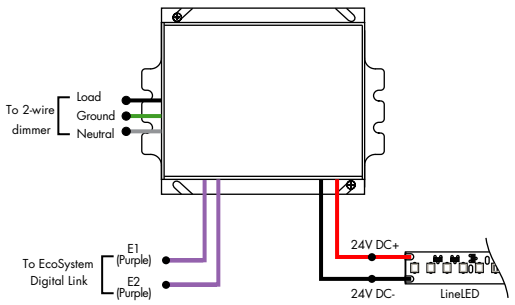
MODEL

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



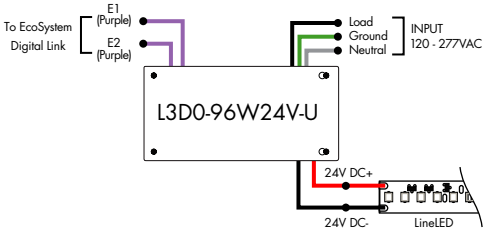
LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 0.1%

MODEL

L3D0-96W24V-U

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

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"