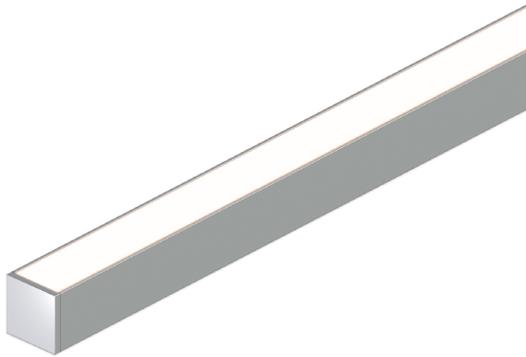
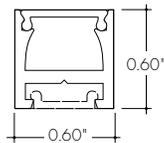


Features



- 24VDC Class 2 and IP68 Wet Rated fixtures made to order up to 144". Fixtures can be linked up to 90' depending on output
- Suitable for undercabinet, millwork, direct view, wet, outdoor, architectural reveals, accent lighting and surface mount applications
- Dot free even illumination with frosted lens
- Average Life (L70): 50,000hrs

- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- Vibrant Color 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 460 lm/ft and up to 66 lm/W
- 5 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
Lumens Output (3000K) [with a Frosted Lens]	53 lm/ft	134 lm/ft	179 lm/ft	236 lm/ft	286 lm/ft	381 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
Efficacy	48 lm/W	48 lm/W	48 lm/W	48 lm/W	48 lm/W	48 lm/W
Max Run Length (in series)	56.9 ft	32 ft	28 ft	24 ft	21 ft	18 ft
Ambient Operating Temperature Range*	-13°F - 122°F (-25°C - 50°C)				-13°F - 86°F (-25°C - 30°C)	

CCT	Multiplier (ref. - 30K)	Vibrant Color (VC72)			
		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
Lumens Output (3000K) [with a Frosted Lens]	58 lm/ft	126 lm/ft	181 lm/ft	240 lm/ft	342 lm/ft	468 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
Efficacy	58 lm/W	66 lm/W	62 lm/W	63 lm/W	61 lm/W	66 lm/W
Max Run Length (in series)	90 ft	55 ft	34.9 ft	26 ft	17 ft	13 ft
Ambient Operating Temperature Range*	-13°F - 122°F (-25°C - 50°C)				-13°F - 104°F (-25°C - 40°C)	

CCT	Multiplier (ref. - 30K)	High Efficacy (HE64)			
		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

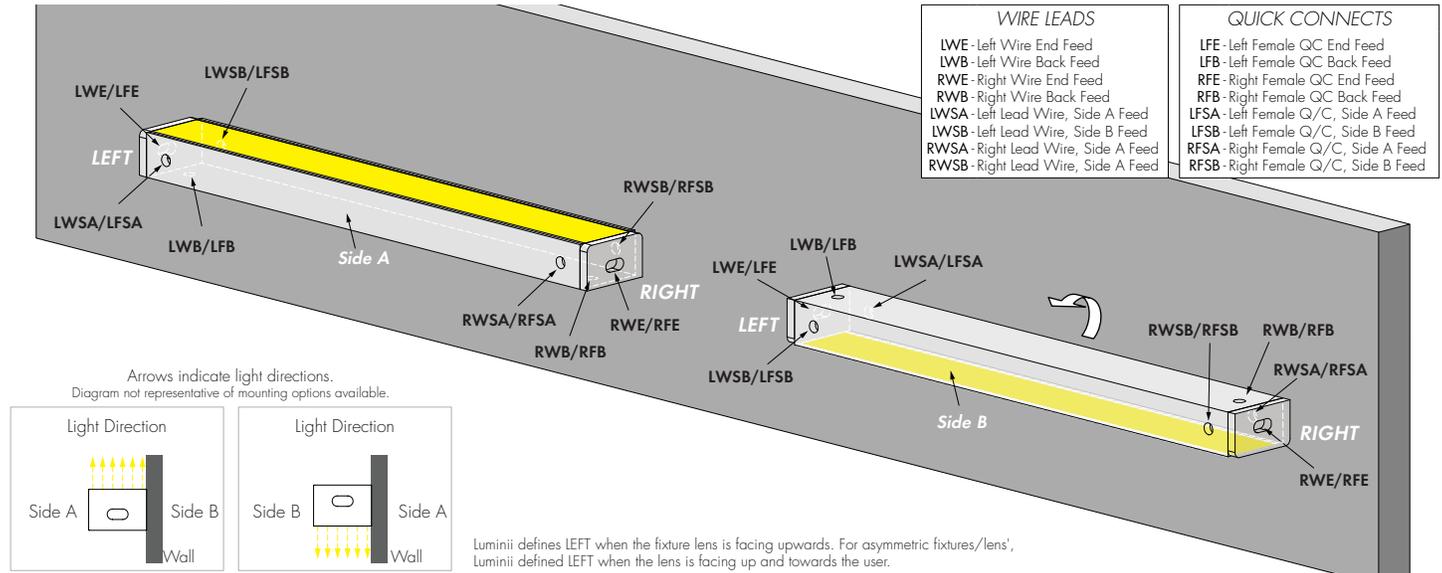
Ordering Code

MODEL	LENGTH ¹	OUTPUT ²	CCT	LENS	MOUNTING	FINISH ³	FEED POSITION LEFT ⁴	FEED POSITION RIGHT ⁴					
BOSW - Bosca Wet	12"-144" 1" increments	VC72VLO - Very Low	27K-2700K 30K-3000K 35K-3500K 40K-4000K	F-Frosted G-Graze	FC-Fixed Clip ⁵ SC-Screw-in A-Adjustable Hinge Mounting	BASE SA-Silver Anodized	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					
		VC72LO - Low							VC72SO - Standard	VC72MO - Medium	VC72HO - High	VC72VHO - Very High	
HE64VLO - Very Low	HE64LO - Low	HE64SO - Standard				HE64MO - Medium			HE64HO - High	HE64VHO - Very High	PREMIUM MBK-Matte Black WN-Warm Nickel AB-Aged Brass PG-Polished Gold ⁶ CH-Chrome ⁶	QUICK CONNECTS (6") LFE-Female Q/C, End Feed LFB-Female Q/C, Back Feed LFSB-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 RFSB-Female Q/C, Side A Feed RFSB-Female Q/C, Side B Feed RNPF-No Power Feed

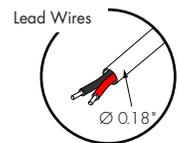
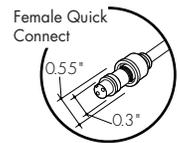
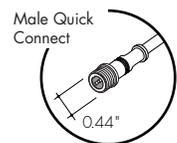
1 - Custom lengths and increments are available, please consult Inside Sales with specific request.
 2 - Title 24 JAB achievable depending on Output, CCT, and lens selections. See multiplier charts to calculate specific efficacies.
 3 - Non Base Finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
 4 - LNPF - RNPF is not a valid configuration option
 5 - Fixed Clip mount not rated for exterior use.
 6 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".

Powerfeeds and Connectors

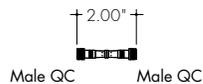
Power Feed Position Options and Orientation



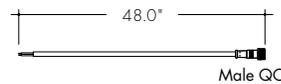
Linking and Extension Cable Options



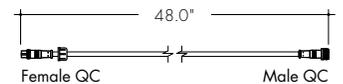
WET-FMA-2-2
Female to Male Adapter, 2 pin



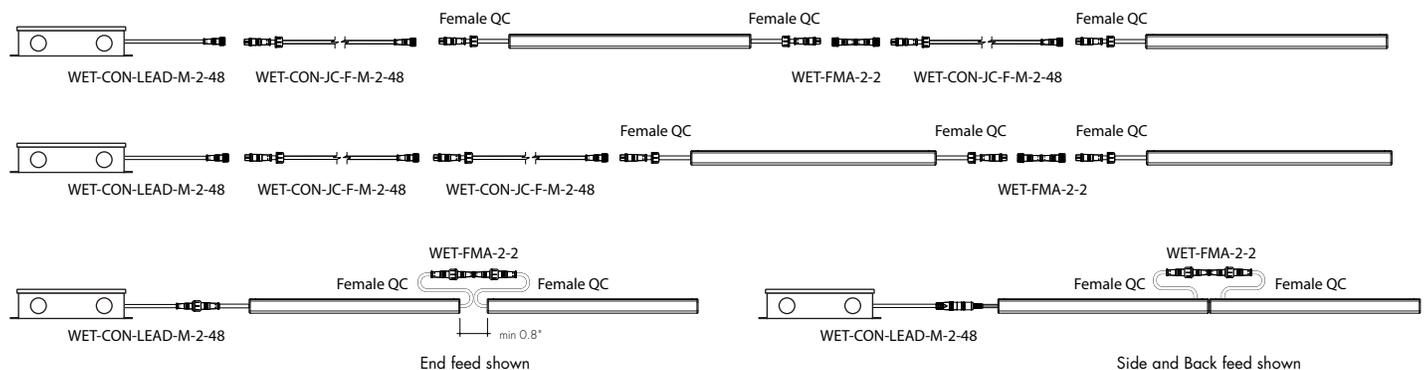
WET-CON-LEAD-M-2-48
Male Wet Connector Cable, 2 pin, 48"



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

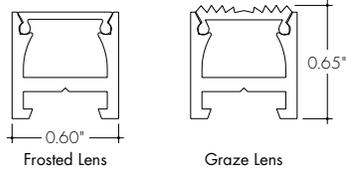


Sample Layout

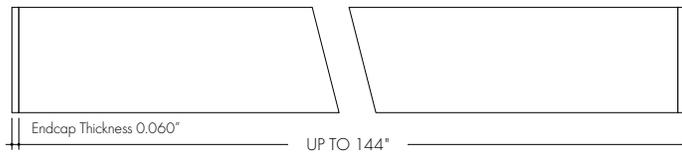


Product Dimensions

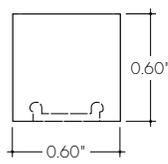
Fixture/Lens Profile



Fixture Side

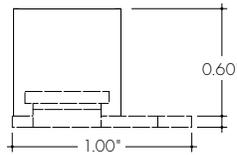


Fixture/Mounting Profile

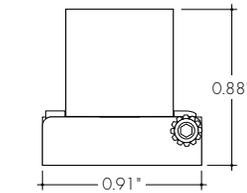


Frosted Lens using the Clip-in Channel

Fixed Clip mount not rated for exterior use.



Frosted Lens using the Screw-in Channel



Frosted Lens using the Adjustable Bracket, up to 90°

Finish Options

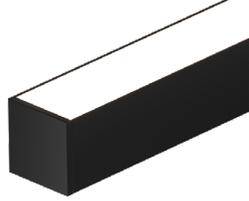
- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Base finishes may have extended lead times and price adder.
- Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".
- Custom RALs are available, please consult Inside Sales with specific request.

Silver Anodized Base



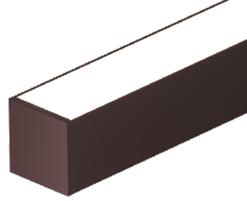
Silver Anodized is a soft silver with a clear finish.

Black Powder Coat



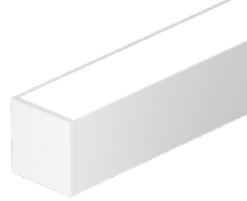
Black is a true deep black with a glossy finish.

Bronze Powder Coat



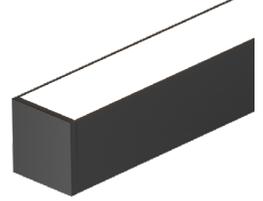
Bronze is a rich, dark brown with a satin finish.

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



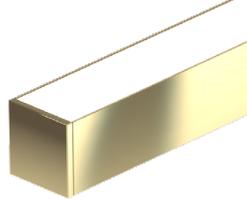
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

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.

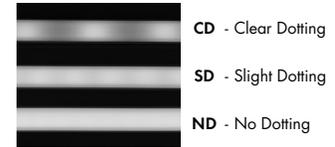
Chrome Premium



Chrome is a highly reflective silver polish.

Light Transmission and Dotting

Output Options	Lens/Accessory							
	Graze 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
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
Transmission Percentage	100%				75%			



Use complete Dotting Chart Tool online for more dotting information



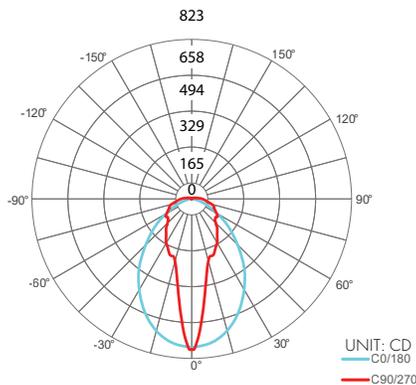
Photometry

BOSW-48-VC72VHO-30K-G

Bosca Wet, 4ft, 3000K, VHO, Graze Lens

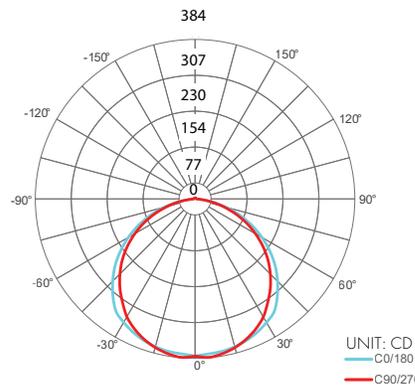
BOSW-48-VC72VHO-30K-F

Bosca Wet, 4ft, 3000K, VHO, Frosted Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	117	31%
0-40	175	46%
0-60	277	73%
0-90	358	94%
Total	0-180	381 100%



Zonal Lumen Summary 3000K

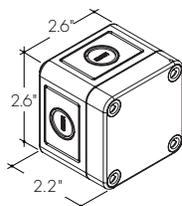
Zone	Lumen	% Fixture
0-30	75	26%
0-40	124	44%
0-60	222	78%
0-90	282	99%
Total	0-180	285 100%



Accessory Options

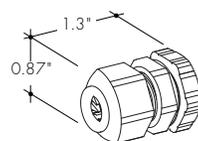
LVSP-WET

Splice box: wet rated, low voltage, gray, IP66



LVSP-WET-CM

Connector for splice box, low voltage for cable management, gray.



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

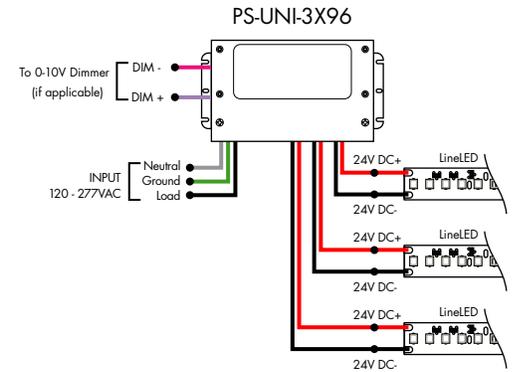
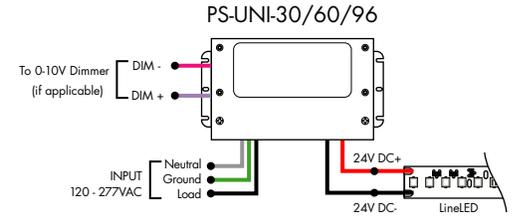
Ordering Code - Universal Dimming Power Supplies 0.1% 120VAC - 277VAC

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
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"

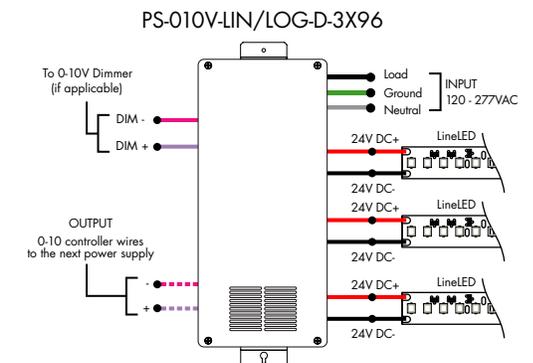
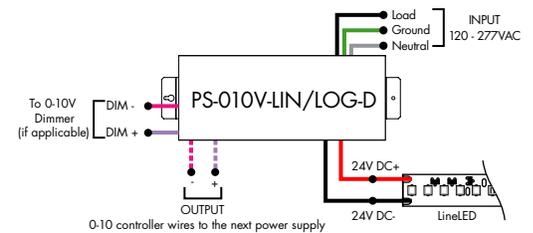


For use with Static White

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"



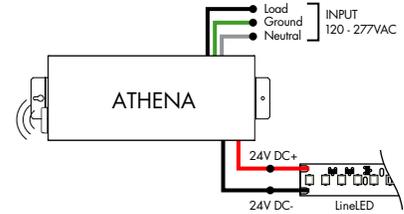
Power Supplies

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

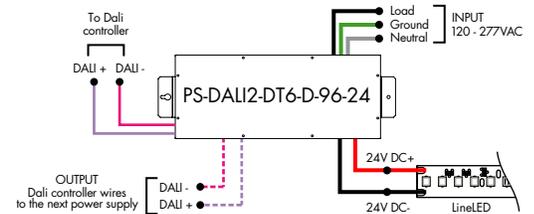


MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

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

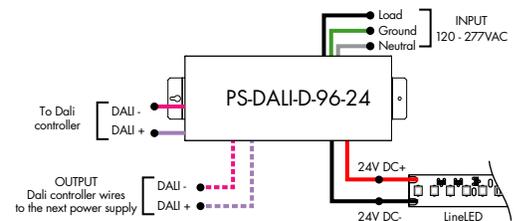


Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

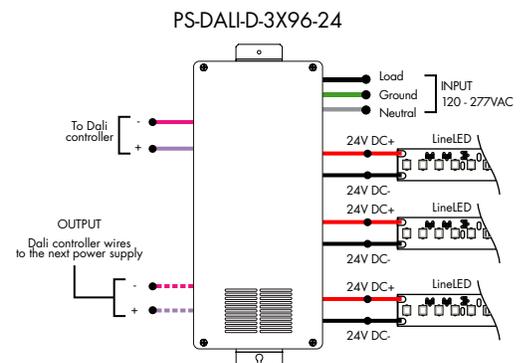
For use with Static White

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.

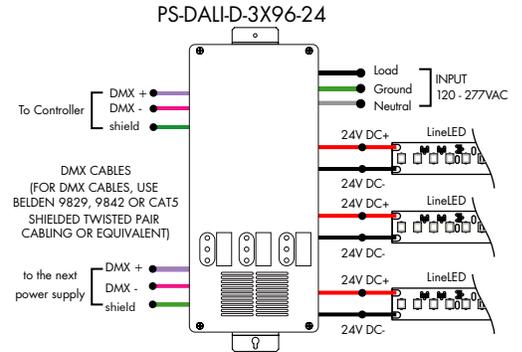
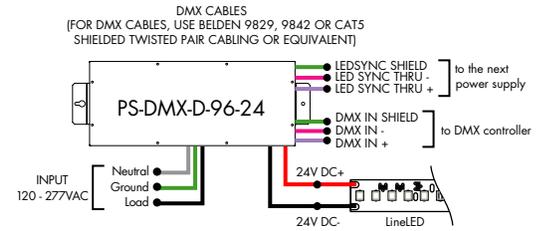
For use with Static White

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.

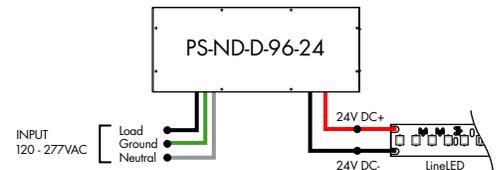


For use with Static White

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"

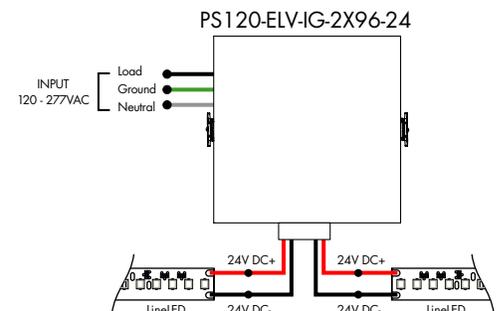


For use with Static White

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

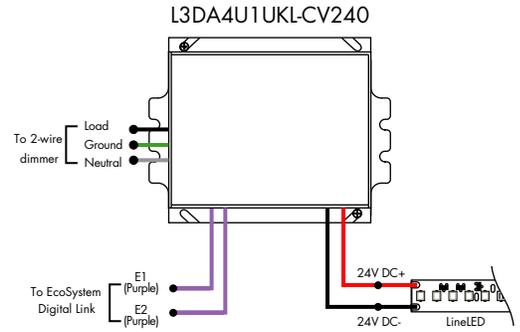
Lutron Power Supplies 1%

MODEL

L3DA4U1UKL-CV240

HiLume™ 1% EcoSystem Voltage LED driver 40W max

MODELS	L3DA4U1UKL-CV240
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"

