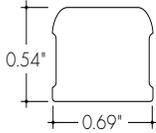## Features

- 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, grazer, outdoor, wet, architectural reveals, handrail, and accent lighting
- Average Life (L70): 50,000hrs
- 5 year warranty

- 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 680 lm/ft and over 97 lm/W

IP68

0.54"

0.69"

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

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 Narrow Beam Grazer)	67 lm/ft	171 lm/ft	227 lm/ft	300 lm/ft	363 lm/ft	483 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	61 lm/W	61 lm/W	61 lm/W	61 lm/W	62 lm/W	61 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 – 95°F (-25°C – 35°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	R9
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 Narrow Beam Grazer)	74 lm/ft	160 lm/ft	229 lm/ft	305 lm/ft	434 lm/ft	594 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	74 lm/W	84 lm/W	79 lm/W	80 lm/W	78 lm/W	84 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 – 113°F (-25°C – 45°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	R9
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]	ACCESSORIES

KMW - Kendo M Wet

12"–144" 1" increments

VC72VLO - Very Low
VC72LO - Low
VC72SO - Standard
VC72MO - Medium
VC72HO - High
VC72VHO - Very High

27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K

GR - Narrow Beam Grazer

FC - Fixed Clip
A - Adjustable Hinge Mounting
FC45 - Fixed Clip 45°
EFC - Tamper Resistant Fixed Clip

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

___ - N/A, leave blank
BLS - Blade louver, Silver
BLBK - Blade louver, Black
BLWH - Blade louver, White
GSS - Glare shield, Silver
GSBK - Glare shield, Black
GSWH - Glare shield, White

12"–144" 2" increments

HE64VLO - Very Low
HE64LO - Low
HE64SO - Standard
HE64MO - Medium
HE64HO - High
HE64VHO - Very High

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 (4")
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 (4")
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.
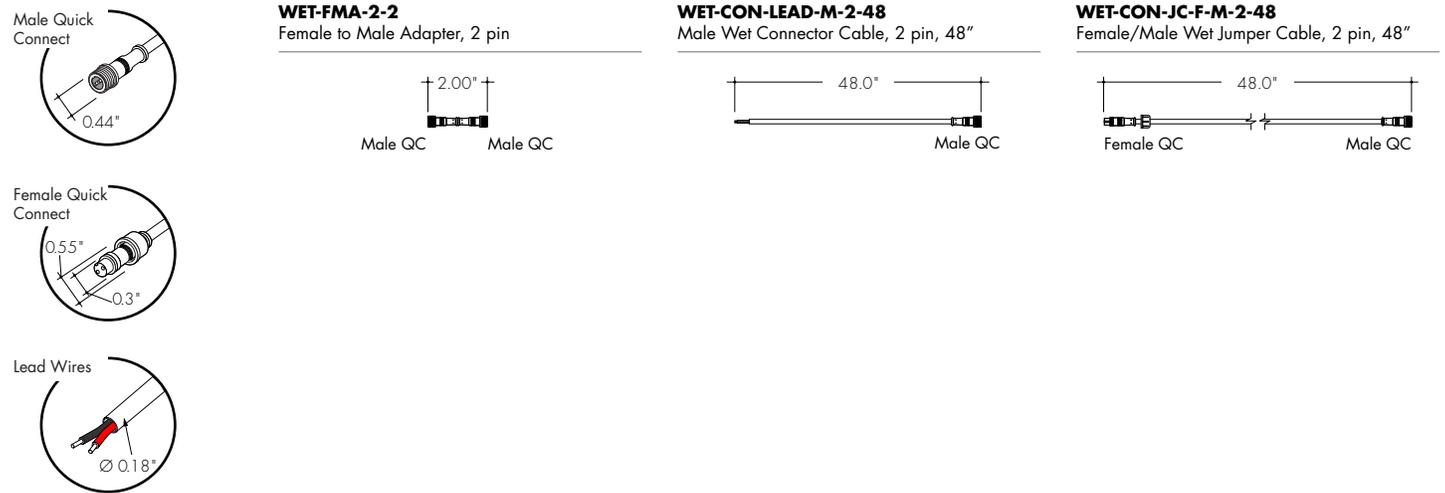4 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".
5 - LNPF - RNPF is not a valid configuration option
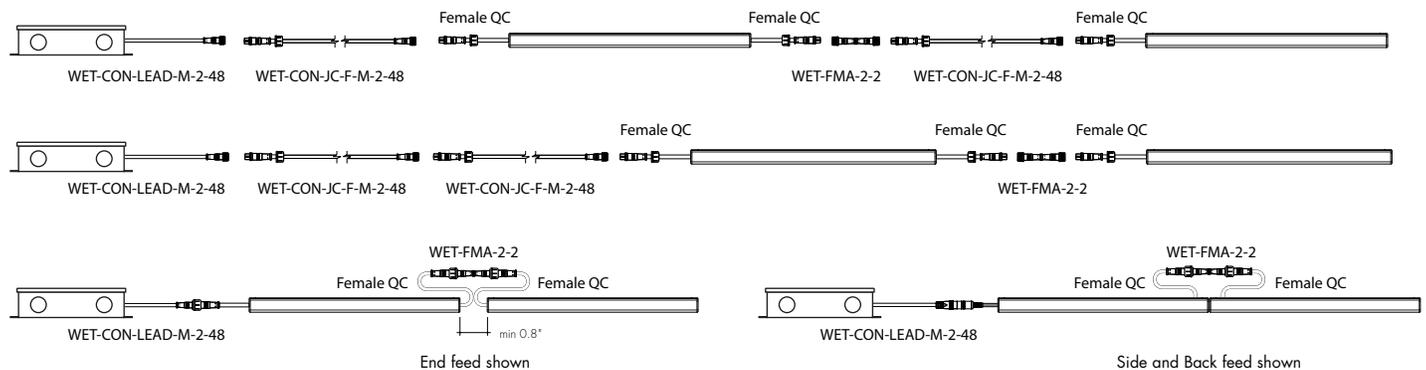
Powerfeeds and Connectors

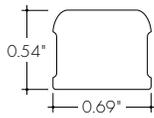### Power Feed Position Options and Orientation

WIRE LEADS	
LWE	Left Wire End Feed
LWB	Left Wire Back Feed
RWE	Right Wire End Feed
RWB	Right Wire Back Feed
LWSA	Left Lead Wire, Side A Feed
LWSB	Left Lead Wire, Side B Feed
RWSA	Right Lead Wire, Side A Feed
RWSB	Right Lead Wire, Side A Feed

QUICK CONNECTS	
LFE	Left Female QC End Feed
LFB	Left Female QC Back Feed
RFE	Right Female QC End Feed
RFB	Right Female QC Back Feed
LFSA	Left Female Q/C, Side A Feed
LFSB	Left Female Q/C, Side B Feed
RFSA	Right Female Q/C, Side A Feed
RFSB	Right Female Q/C, Side B Feed

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

Male Quick Connect — 0.44"

Female Quick Connect — 0.55" / 0.3"

Lead Wires — Ø 0.18"

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

2.00"
Male QC — Male QC

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

48.0"
Male QC

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

48.0"
Female QC — Male QC

Sample Layout

WET-CON-LEAD-M-2-48   WET-CON-JC-F-M-2-48   Female QC   Female QC   WET-FMA-2-2   WET-CON-JC-F-M-2-48

WET-CON-LEAD-M-2-48   WET-CON-JC-F-M-2-48   WET-CON-JC-F-M-2-48   Female QC   Female QC   Female QC   WET-FMA-2-2

WET-CON-LEAD-M-2-48   WET-FMA-2-2   Female QC   Female QC   min 0.8"   End feed shown
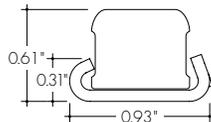
WET-CON-LEAD-M-2-48   WET-FMA-2-2   Female QC   Female QC   Side and Back feed shown
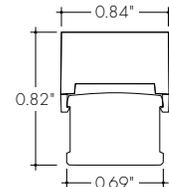
Product Dimensions

Narrow Beam
Grazer Lens

0.54"
0.69"

Narrow Beam Grazer Lens using
the Exterior Fixed Clip

0.61"
0.31"
0.93"

Narrow Beam Grazer Lens with Blade
Louver or Glare Shield Accesory

0.84"
0.82"
0.69"
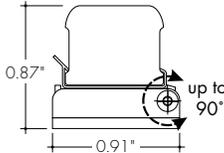
Narrow Beam Grazer Lens with
Adjustable Hinged Bracket

0.87"
0.91"
up to 90°
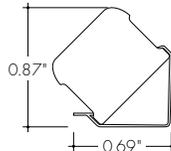
Narrow Beam Grazer Lens with
45° Mounting Bracket

0.87"
0.69"
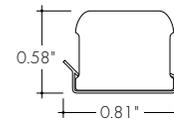
Narrow Beam Grazer Lens with
Fixed Mounting Bracket

0.58"
0.81"

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
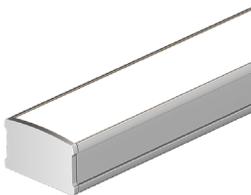
Silver Anodized is a soft
silver with a clear finish.

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
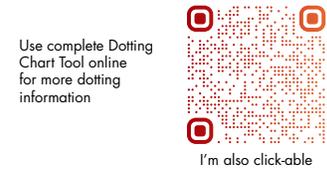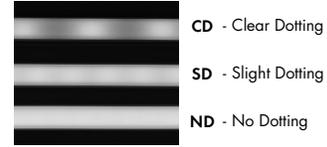
Polished Gold is bright and
radiant for a brilliant finish.

Chrome
Premium

Chrome is a highly
reflective silver polish.

Light Transmission and Dotting

Output Options	Lens/Accessory			
	Narrow Beam Grazer			
Dimming Level	100%	50%	10%	1%
VC72VLO	CD	CD	CD	CD
VC72LO	CD	CD	CD	CD
VC72SO	CD	CD	CD	CD
VC72MO	CD	CD	CD	CD
VC72HO	CD	CD	CD	CD
VC72VHO	CD	CD	CD	CD
HE64VLO	CD	CD	CD	CD
HE64LO	CD	CD	CD	CD
HE64SO	CD	CD	CD	CD
HE64MO	CD	CD	CD	CD
HE64HO	CD	CD	CD	CD
HE64VHO	CD	CD	CD	CD
Transmission Percentage	100%			

CD - Clear Dotting

SD - Slight Dotting

ND - No Dotting

Use complete Dotting Chart Tool online for more dotting information
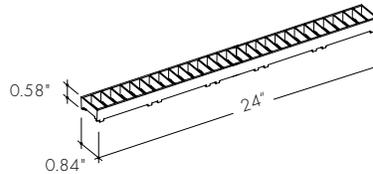
I'm also click-able

Accessory Options

LV-GS-KMSC-24-XX
Glare Shield reduces glare at high angle, field cuttable.
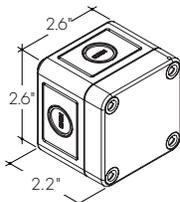Also available with complete fixture, use ordering code
-GSXX

0.58"
24"
0.84"
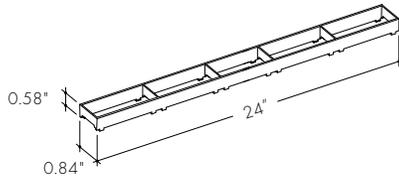
LV-BL-KMSC-24-XX
Blade Louver reduces glare at high angle in two directions
Also available with complete fixture, use ordering code
-BLXX

0.58"
24"
0.84"

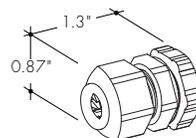| XX	Color
WH	White
BK	Black
SL	SIlver

LVSP-WET
Splice box: wet rated, low voltage, gray, IP66
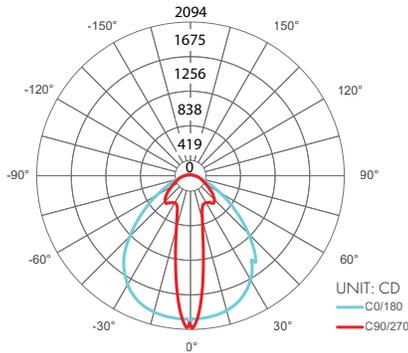
2.6"
2.6"
2.2"

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

1.3"
0.87"

Photometry

KMW-48-VC72VHO-30K- GR

Kendo M Wet, 4ft, VHO, 3000K, Narrow Beam Grazer Lens

Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	202	42%
	0-40	287	60%
	0-60	419	87%
	0-90	477	99%
Total	0-180	483	100%

Beam Angle

21°

UNIT: CD
— C0/180
— C90/270

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: _____

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Voltage Drop Calculator

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

Wattage [W]	Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
10	544.1	342.2	215.1	135.3	85.1	53.5	33.7
15	362.7	228.1	143.4	90.2	56.7	35.7	22.4
20	272.0	171.1	107.6	67.7	42.6	26.8	16.8
25	217.6	136.9	86.1	54.1	34.0	21.4	13.5
30	181.4	114.1	71.7	45.1	28.4	17.8	11.2
35	155.5	97.8	61.5	38.7	24.3	15.3	9.6
40	136.0	85.5	53.8	33.8	21.3	13.4	8.4
45	120.9	76.0	47.8	30.1	18.9	11.9	7.5
50	108.8	68.4	43.0	27.1	17.0	10.7	6.7
55	98.9	62.2	39.1	24.6	15.5	9.7	6.1
60	90.7	57.0	35.9	22.6	14.2	8.9	5.6
65	83.7	52.6	33.1	20.8	13.1	8.2	5.2
70	77.7	48.9	30.7	19.3	12.2	7.6	4.8
75	72.5	45.6	28.7	18.0	11.3	7.1	4.5
80	68.0	42.8	26.9	16.9	10.6	6.7	4.2
85	64.0	40.3	25.3	15.9	10.0	6.3	4.0
90	60.5	38.0	23.9	15.0	9.5	5.9	3.7
96	56.7	35.6	22.4	14.1	8.9	5.6	3.5

Power Supplies

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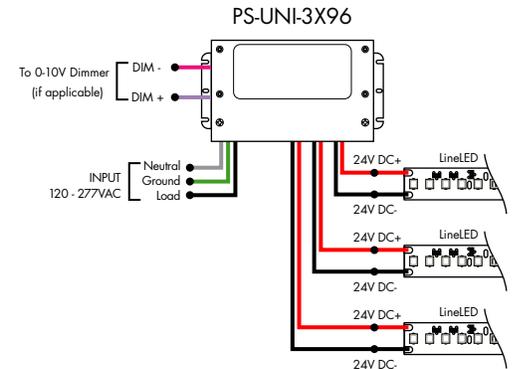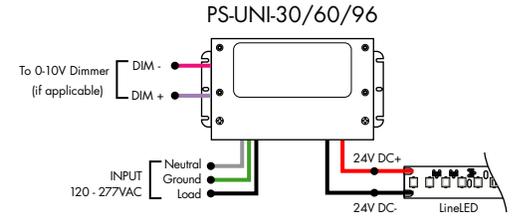
For use with Static White

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

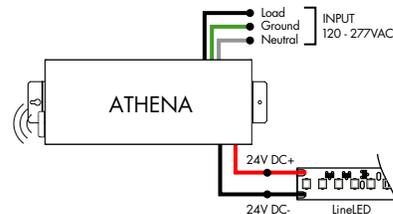| MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.45"
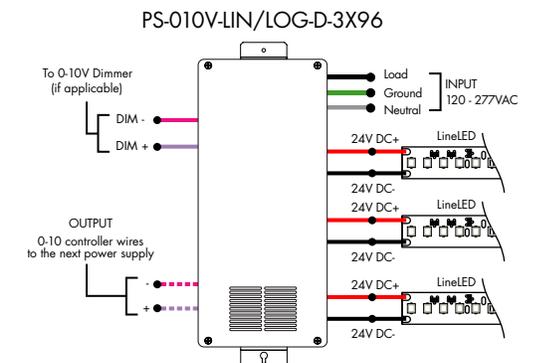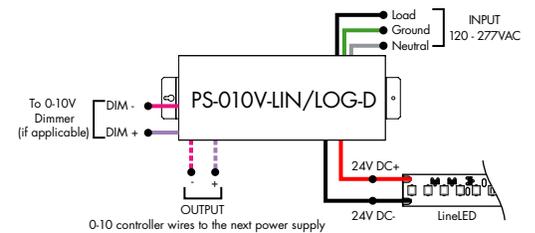
PS-010V-LIN/LOG-D-3X96

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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
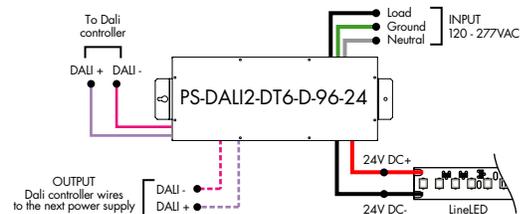
D - Dry

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

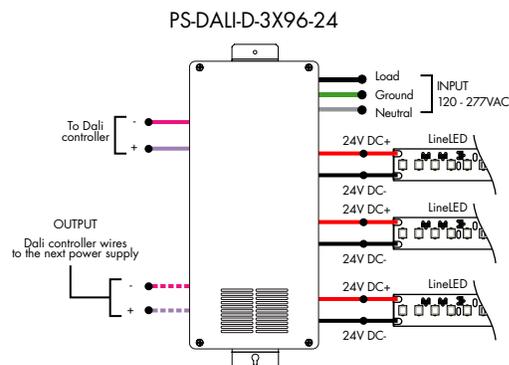| Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

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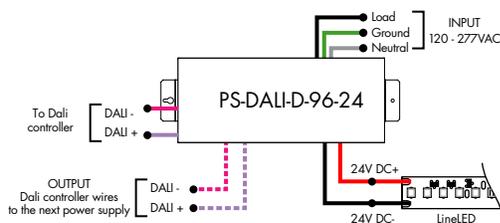
Model	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"

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.
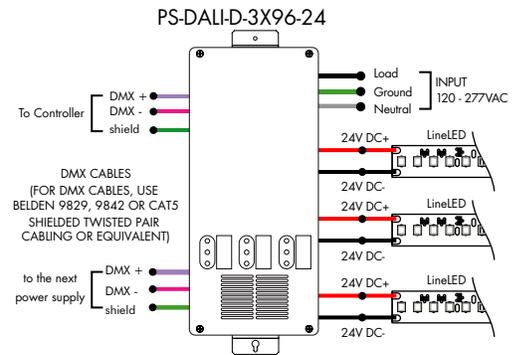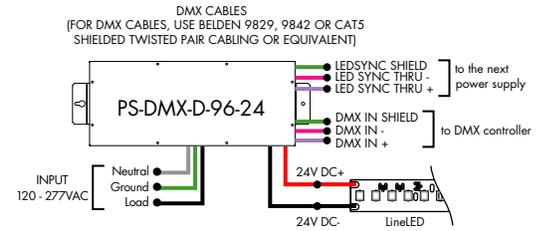
For use with Static White

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

PS-DMX-D-96-24

PS-DALI-D-3X96-24

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

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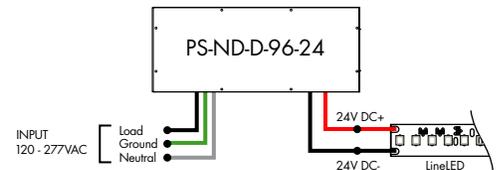CONTROL MULTIPLE TAPES/ZONES USING DMX CHANNELS.

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

PS-ND-D-96-24

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

PS120-ELV-IG-2X96-24

MODELS	2X96W
Length	8.40"
Width	8.30"
Depth	8.10"
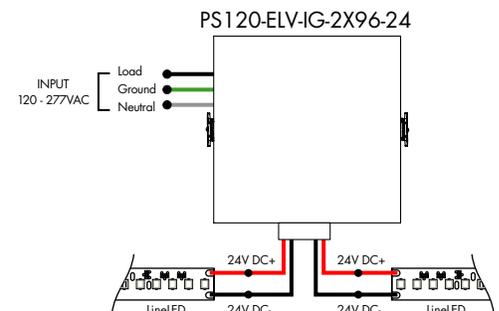
Power Supplies

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.
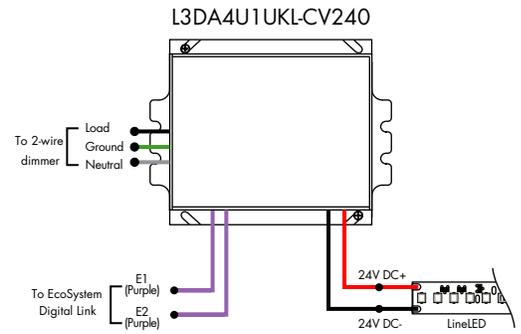
LUTRON®

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

To 2-wire dimmer — Load, Ground, Neutral
To EcoSystem Digital Link — E1 (Purple), E2 (Purple)
24V DC+, 24V DC-, LineLED

LUTRON®

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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"

To EcoSystem Digital Link — E1 (Purple), E2 (Purple)
Load, Ground, Neutral — INPUT 120 - 277VAC
L3D0-96W24V-U
24V DC+, 24V DC-, LineLED