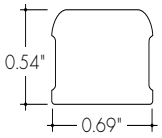


Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 90' depending on output
- Suitable for grazer, surface mount, architectural reveals, handrail, and accent lighting applicaitons. and surface mount applications
- Class 2 listed for damp locations
- Average Life (L70): 50,000hrs
- 7 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 98
- High Efficacy options offer best in class output and efficacy with up to 930 lm/ft and up to 132 lm/W



Finish Options (see page 3 for additional information)

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)	72 lm/ft	185 lm/ft	246 lm/ft	325 lm/ft	393 lm/ft	523 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	65 lm/W	66 lm/W	66 lm/W	66 lm/W	67 lm/W	66 lm/W
Max Run Length (in series)	56.9 ft	32 ft	28 ft	24 ft	21 ft	18 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°C)					-4°F – 95°F (-20°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.

TYPE	High Efficacy HE64					
OUTPUT OPTIONS	**HE64VLO**	**HE64LO**	**HE64SO**	**HE64MO**	**HE64HO**	**HE64VHO**
Lumens Output (3000K) (with a Narrow Beam Grazer)	80 lm/ft	173 lm/ft	248 lm/ft	331 lm/ft	470 lm/ft	644 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	80 lm/W	91 lm/W	86 lm/W	87 lm/W	84 lm/W	91 lm/W
Max Run Length (in series)	90 ft	55 ft	34.9 ft	26 ft	17 ft	13 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°C)					-4°F – 113°F (-20°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.

Vibrant Color (VC72)

CCT	Multiplier (ref. - 30K)	TM-30 CRI	R_f	R_g	R_9
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

High Efficacy (HE64)

CCT	Multiplier (ref. - 30K)	TM-30 CRI	R_f	R_g	R_9
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

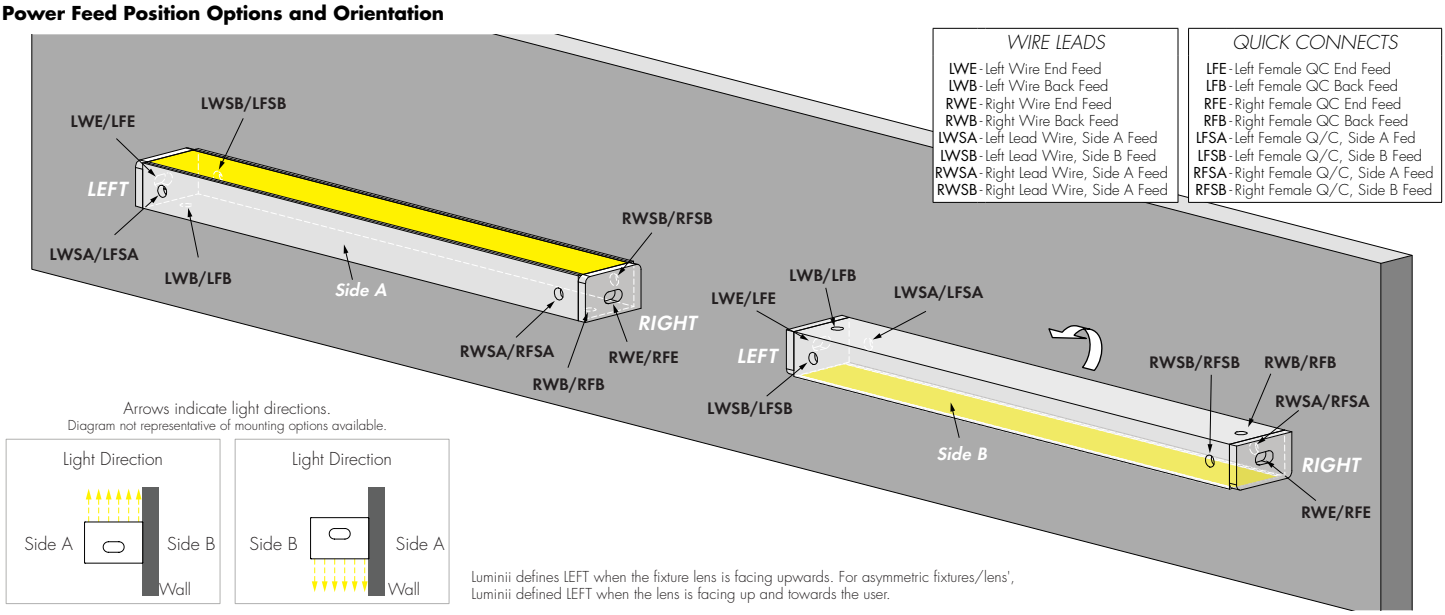
Ordering Code

MODEL	LENGTH[1]	OUTPUT[2]	CCT	LENS	MOUNTING	FINISH[4]	FEED POSITION LEFT[6]	FEED POSITION RIGHT[6]	ACCESSORIES
KM-BABA - Kendo M BABA	12"–144" 1" increments	VC72VLO - Very Low VC72LO - Low VC72SO - Standard VC72MO - Medium VC72HO - High VC72VHO - Very High	18K - 1800K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	GR - Narrow Beam Grazer	FC - Fixed Clip A - Adjustable Hinge Mounting FC45 - Fixed Clip, 45° MAG - Magnetic	*POWDER COAT* BK - Black BZ - Bronze WH - White *PREMIUM* MBK - Matte Black WN - Warm Nickel AB - Aged Brass PG - Polished Gold[5] CH - Chrome[5]	*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 *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	*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 *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	___ - 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	22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K						

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 - 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

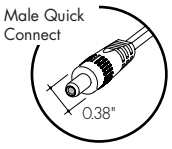
QUICK CONNECTS

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 Fed
LFSB - Left Female Q/C, Side B Fed
RFSA - Right Female Q/C, Side A Feed
RFSB - Right Female Q/C, Side B Feed

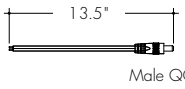
Arrows indicate light directions.
Diagram not representative of mounting options available.

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.

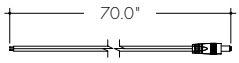
Linking and Extension Cable Options

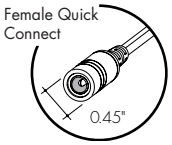


LMC-12
Male quick-connect, 2 pin, 12"

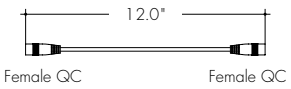


LMC-70
Male quick-connect long, 2 pin, 70"

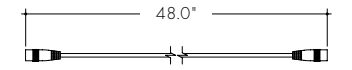




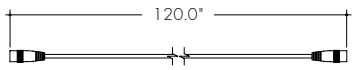
EC-12
Female to Female Extension Cable, 2 pin, 12"

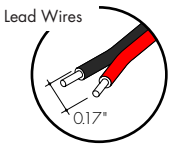


EC-48
Female to Female Extension Cable, 2 pin, 48"

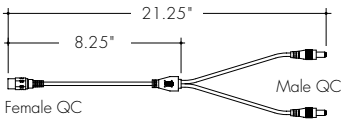


EC-120
Female to Female Extension Cable, 2 pin, 120"





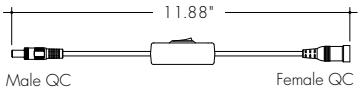
LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12"

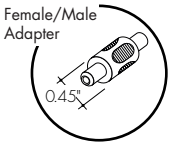


FMA
Female to male adapter



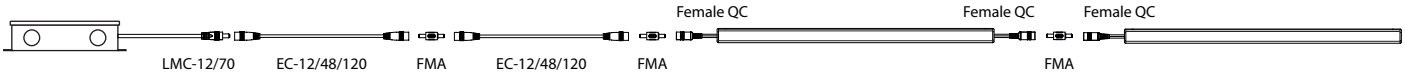
IS-DC
Male to Female Inline DC Switch, 2 pin, 12"

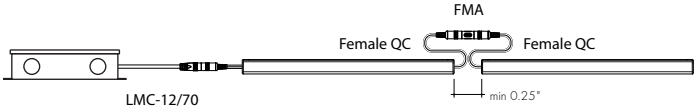




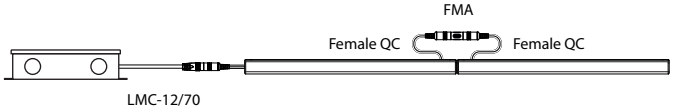
Sample Layout





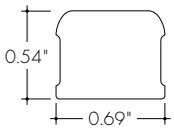


End feed shown

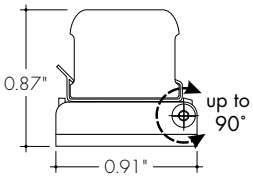


Side and Back feed shown

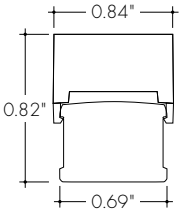
Product Dimensions



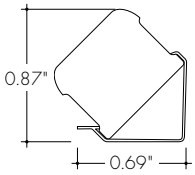
Narrow Beam Grazer Lens



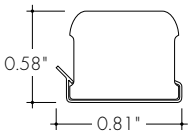
Narrow Beam Grazer Lens with Adjustable Hinged Bracket



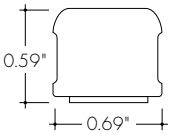
Narrow Beam Grazer Lens with Blade Louver or Glare Shield Accesory



Narrow Beam Grazer Lens with 45° Mounting Bracket



Narrow Beam Grazer Lens with Fixed Mounting Bracket

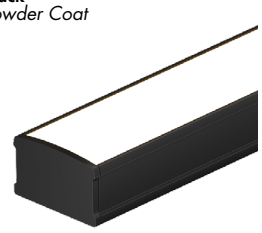


Narrow Beam Grazer Lens with Magnetic Fixed Mounting Bracket

Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- 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.

Black
Powder Coat



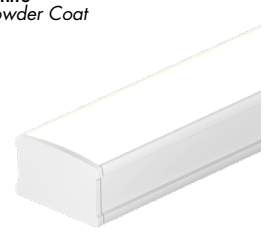
Black is a true deep black with a glossy finish.

Bronze
Powder Coat



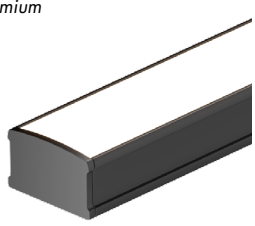
Bronze is a rich, dark brown with a satin finish.

White
Powder Coat



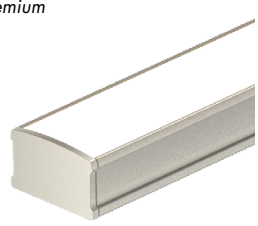
White is a polar bright white and field paintable.

Matte Black
Premium



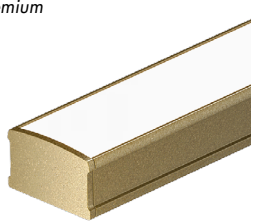
Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel
Premium



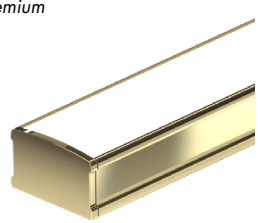
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass
Premium



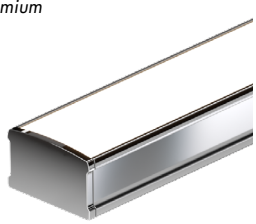
Aged Brass is a deep brown shade with slightly golden undertones.

Polished Gold
Premium



Polished Gold is bright and radiant for a brilliant finish.

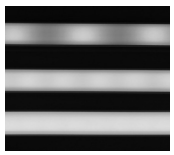
Chrome
Premium



Chrome is a highly reflective silver polish.

Light Transmission and Dotting

	Lens/Accessory			
Output Options	**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

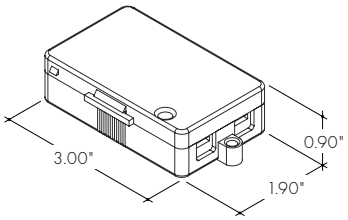
ND - No Dotting

Use complete Dotting Chart Tool online for more dotting information

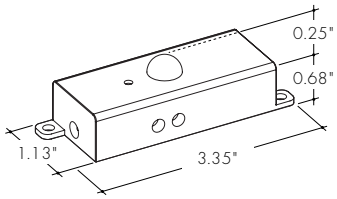
I'm also click-able

Accessory Options

LVSP-4T-BK
Low Voltage, 4 Terminal Splice Box, Black, IP20

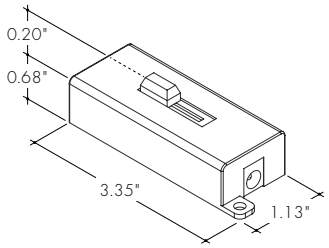


OS-DC-F4-BK
Occupancy Sensor



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

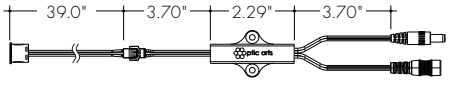
DIM-DC-F4-BK
24VDC Low Voltage In-line Dimmer Module



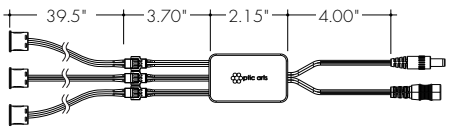
Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output.

NL.EX.D1.B & **NL.EX.D3.B**
Near Infrared Remote Door Sensor

NL.EX.D1.B - 1 IR Sensor

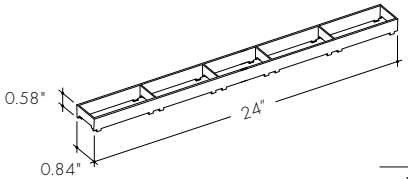


NL.EX.D3.B - 3 IR Sensor



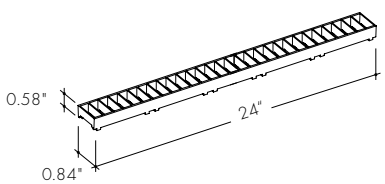
Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output. For more information visit Sensor Spec Sheet (Link)

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



XX	Color
WH	White
BK	Black
SL	SIlver

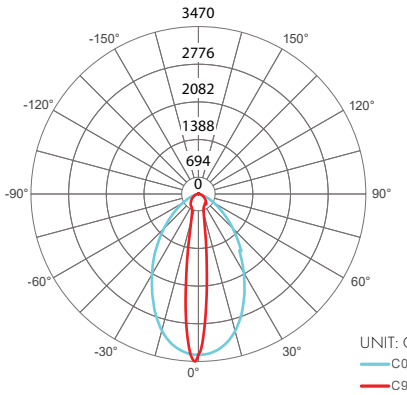
LV-BL-KMSC-24-XX
Blade Louver reduces glare at high angle in two directions Also available with complete fixture, use ordering code **-BLXX**



Photometry

KM-48-VC72VHO-30K-GR

Kendo M, 4ft, VHO, 3000K, Narrow BeamGrazer Lens



Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	243	46%
	0-40	329	63%
	0-60	458	88%
	0-90	517	99%
Total	0-180	523	100%

Beam Angle

14°

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]	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.

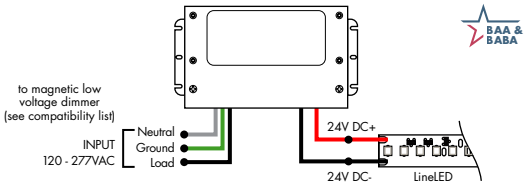
For use with Static White

Ordering Code - Dimming Power Supplies 1% 120VAC - 277VAC

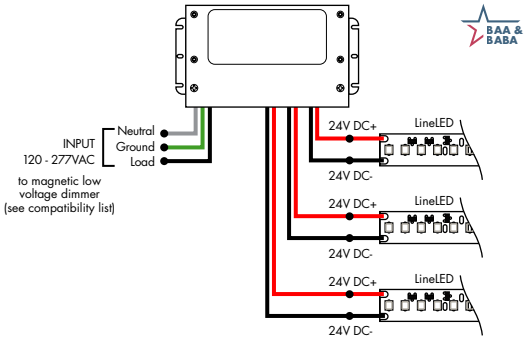
MODEL		WATTAGE		OUTPUT		INPUT
	–		–		–	
PSD - PSD Series		48 - 48 Watts 96 - 96 Watts 288 - 288 Watts		24 - 24 VDC		Blank - 120 VAC 277 - 277 VAC

MODELS	PSD-48-24	PSD-96-24	PSD-288-24
Length	11.25"	11.25"	13.06"
Width	3.42"	3.42"	8.42"
Depth	3.24"	3.27"	4.47"

PSD-48/96-24



PSD-288-24



For use with Static White

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

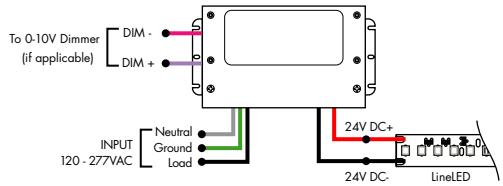
MODEL		INPUT CONTROL		WATTAGE		OUTPUT
	–		–		–	
PS - Power Supply, 120-277VAC		UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)		30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts		24 - 24 VDC

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

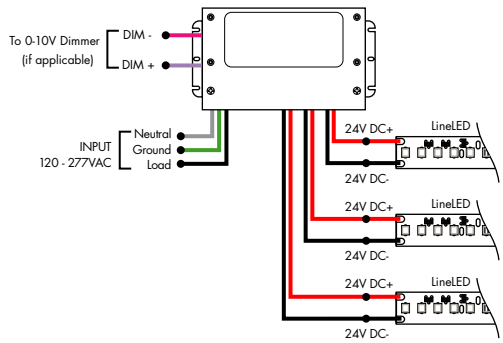
0-10V - 0.1% dimming
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

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



Power Supplies

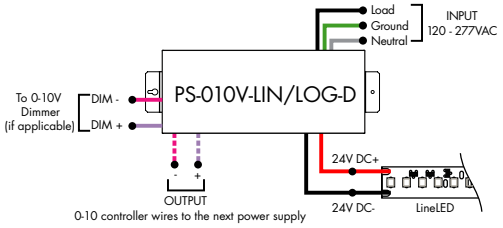
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

For use with Static White

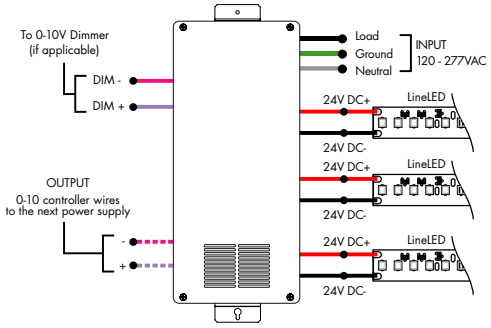
Ordering Code - 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

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



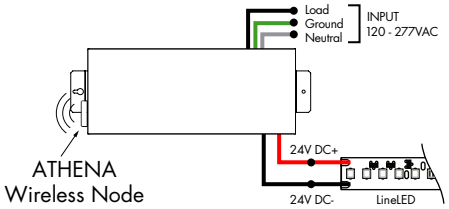
For use with Static White

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 Wireless Node

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

PS-010V-LIN/LOG-D-96-ANWR

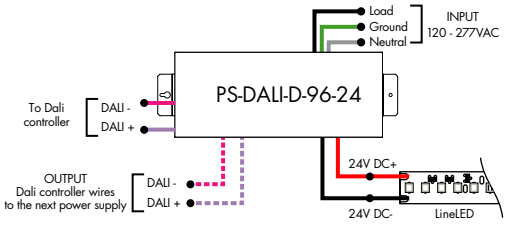


For use with Static White

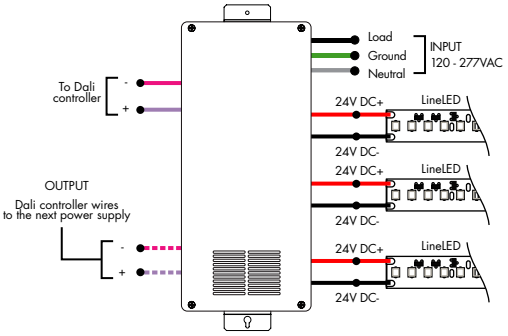
Ordering Code - DALI Dimming Power Supplies 0.1% 120VAC - 277VAC

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"



PS-DALI-D-3X96-24



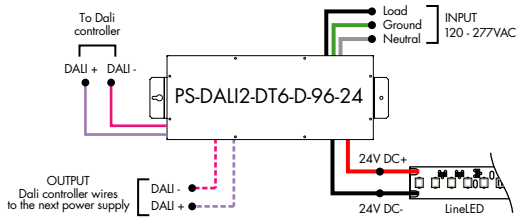
Power Supplies

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 - 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

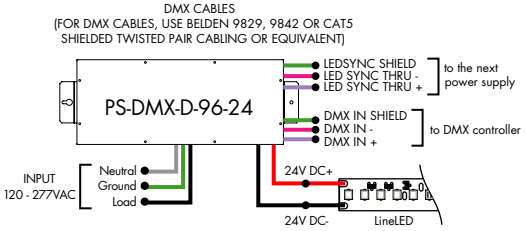


Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

For use with Static White

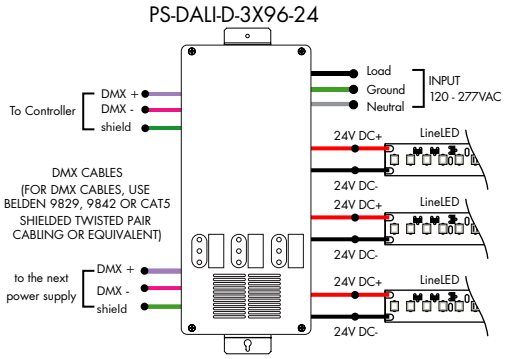
Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

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"

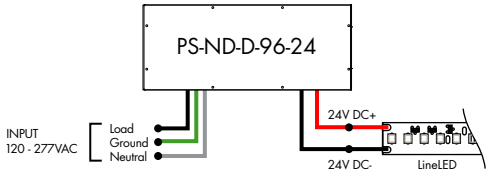
ZONAL CONTROL POWER SUPPLIES.
CONTROL MULTIPLE TAPES/ZONES USING DMX CHANNELS.



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"

Power Supplies

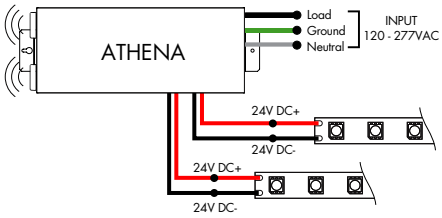
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

For use with Static White

Ordering Code - Athena VintageDim® 0-10V Two Channel LED Driver, 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS-Power Supply, 120-277VAC	010V-2CH-0-10V Dimming Two Channel Control, LED1 Brightness and LED2 Brightness	D-Dry	96-96 W	24-24 VDC	AWNR-Athena

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

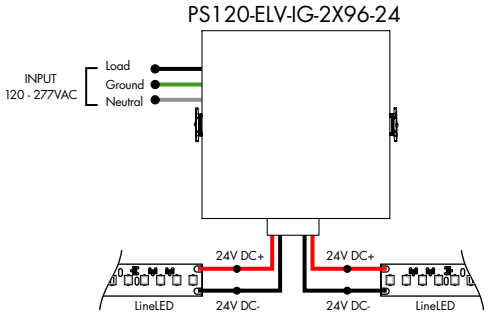


For use with Static White

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"



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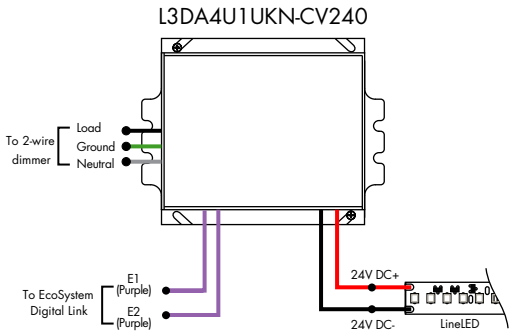
Lutron Power Supplies 1%

MODEL

L3DA4U1UKL-CV240

Hi-lume™ 1% EcoSystem Voltage LED driver 40W max

MODELS	L3DA4U1UKL-CV240
Length	4.98"
Width	4.00"
Depth	2.62"



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"

