luminii

Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 90' depending on output
- Suitable for architectural reveals, millwork, recessed, , accent light applications
- Approved for closet/storage space installation per NEC 410.16(A) (3) and 410.16(C)(5) on outputs 5.7 W/ft or less
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens

- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- Vibrant Color options offer premium color quality with R9 values up to 98
- High Efficacy options offer best in class output and efficacy with over 1180 lm/ft and up to 139 lm/W
- Average Life (L70): 50,000hrs
- 7 year warranty

0.55"
0.63"
0.83"
1.21"

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

Declare. | RoHS | CE | UL LISTED | MADE IN U.S.A | Single Bin +/- 30 CCT | TITLE 24 JA8 COMPLIANT | DIM

Technical Information

TYPE	Vibrant Color VC72						
OUTPUT OPTIONS	VC72VLO	VC72LO	VC72SO	VC72MO	VC72HO	VC72VHO	VC72XHO
Lumens Output (3000K) (with a Clear Lens)	111 lm/ft	282 lm/ft	375 lm/ft	496 lm/ft	599 lm/ft	798 lm/ft	952 lm/ft
Average Power Consumption (for a 4' section)	1.1 W/ft	2.8 W/ft	3.7 W/ft	4.9 W/ft	5.9 W/ft	7.9 W/ft	9.9 W/ft
Efficacy	101 lm/W	101 lm/W	101 lm/W	101 lm/W	102 lm/W	101 lm/W	96 lm/W
Max Run Length (in series)	56.9 ft	32 ft	28 ft	24 ft	21 ft	18 ft	12 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°C)				-4°F – 113°F (-20°C – 45°C)	-4°F – 95°F (-20°C – 35°C)	-4°F – 77°F (-20°C – 25°C)

*Ambient Operating Temperature Range to maintain L70 of 50k+ hours in normal mounting conditions for the fixture. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

Vibrant Color (VC72)

CCT	Multiplier (ref. - 30K)	CRI	TM-30		
			R_f	R_g	R9
1800K	0.50	95	94	99	86
2200K	0.66	96	94	101	95
2400K	0.90	98	96	101	91
2700K	0.93	98	96	102	93
3000K	1.00	97	94	104	99
3500K	1.04	96	94	105	97
4100K	1.05	97	95	104	96

TYPE	High Efficacy HE64						
OUTPUT OPTIONS	HE64VLO	HE64LO	HE64SO	HE64MO	HE64HO	HE64VHO	HE64XHO
Lumens Output (3000K) (with a Clear Lens)	122 lm/ft	264 lm/ft	379 lm/ft	504 lm/ft	716 lm/ft	982 lm/ft	1183 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	122 lm/W	139 lm/W	131 lm/W	133 lm/W	128 lm/W	138 lm/W	133 lm/W
Max Run Length (in series)	90 ft	55 ft	34.9 ft	26 ft	17 ft	13 ft	10.3 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°C)					-4°F – 104°F (-20°C – 40°C)	-4°F – 86°F (-20°C – 30°C)

*Ambient Operating Temperature Range to maintain L70 of 50k+ hours in normal mounting conditions for the fixture. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

High Efficacy (HE64)

CCT	Multiplier (ref. - 30K)	CRI	TM-30		
			R_f	R_g	R9
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[3]	FEED POSITION LEFT[5]	FEED POSITION RIGHT[5]

KRXL - Kendo XL Recessed

12"–144" 1" increments
- VC72VLO - Very Low
- VC72LO - Low
- VC72SO - Standard
- VC72MO - Medium
- VC72HO - High
- VC72VHO - Very High
- VC72XHO - Extreme

18K - 1800K
22K - 2200K
24K - 2400K
27K - 2700K
30K - 3000K
35K - 3500K
41K - 4100K

12"–144" 2" increments
- HE64VLO - Very Low
- HE64LO - Low
- HE64SO - Standard
- HE64MO - Medium
- HE64HO - High
- HE64VHO - Very High
- HE64XHO - Extreme

22K - 2200K
24K - 2400K
27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K

C - Frosted
HF - Half-Frosted
F - Frosted

HS - Hard Surface mounting bracket
GS - Gypsum surface mounting bracket
NB - No Bracket

BASE
SA - Silver Anodized

POWDER COAT
BK - Black
BZ - Bronze
WH - White

PREMIUM
MBK - Matte Black
WN - Warm Nickel
AB - Aged Brass
PG - Polished Gold[4]
CH - Chrome[4]

PLENUM WIRE LEADS (72")
LPB - Wire Back Feed
LNPF - No Power Feed

QUICK CONNECTS (4")
LFB - Female Q/C, Back Feed
LNPF - No Power Feed

PLENUM WIRE LEADS (72")
RPB - Wire Back Feed
RNPF - No Power Feed

QUICK CONNECTS (4")
RFB - Female Q/C, Back 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.
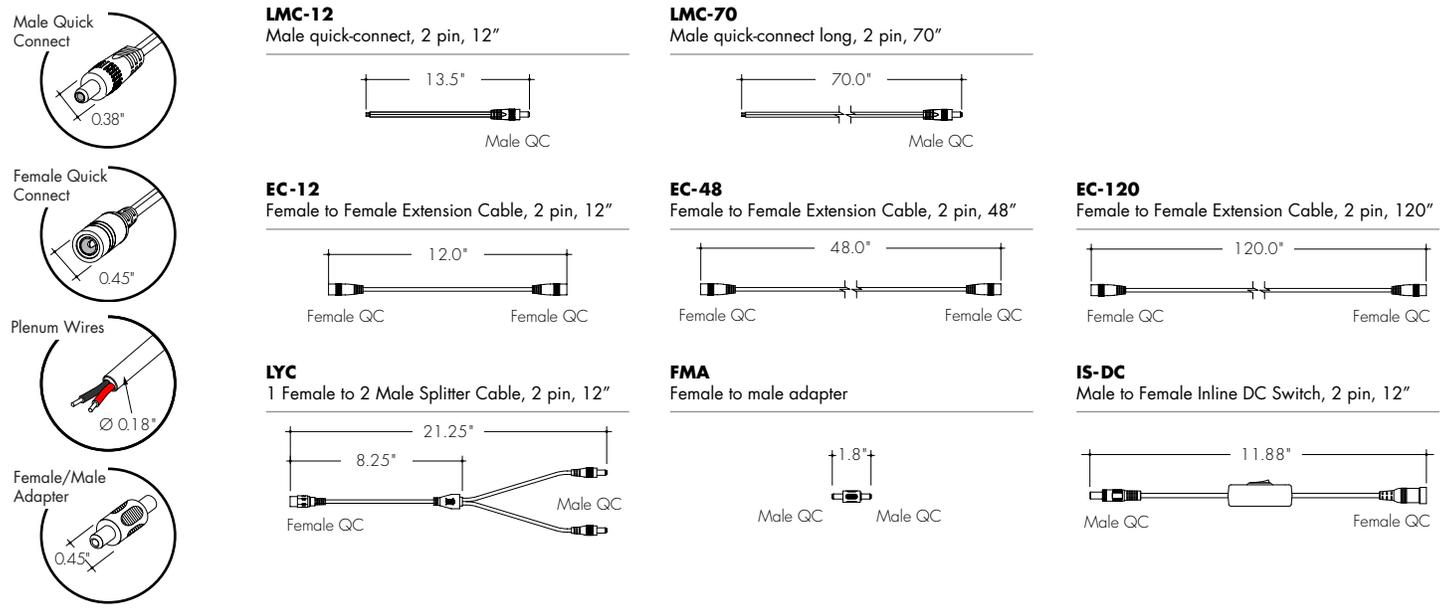4 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".
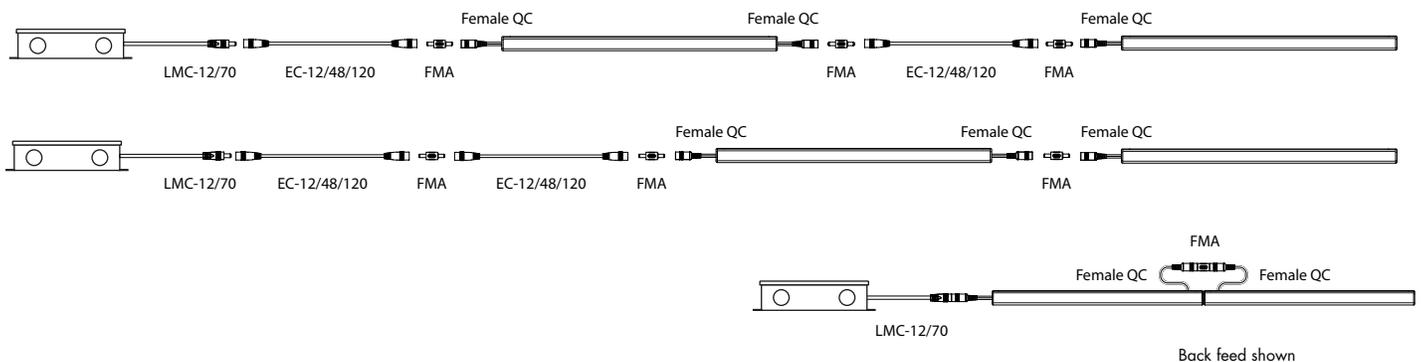5 - LNPF - RNPF is not a valid configuration option

Powerfeeds and Connectors
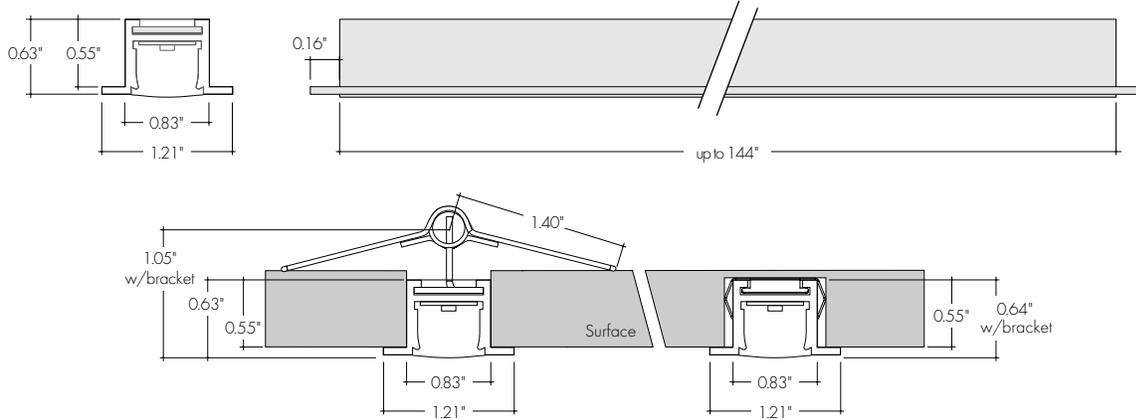
Power Feed Position Options and Orientation

PLENUM WIRE LEADS	QUICK CONNECTS
LPE - Left Wire End Feed	**LFE** - Left Female QC End Feed
RPB - Right Wire Back Feed	**RFB** - Right Female QC Back Feed

LEFT

LPB/LFB

Side A

RIGHT

LPB/LFB

LEFT

RPB/RFB

RPB/RFB

Side B

RIGHT

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

Light Direction
Side A | Side B
Wall

Light Direction
Side B | Side A
Wall

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
0.38"

Female Quick Connect
0.45"

Plenum Wires
Ø 0.18"

Female/Male Adapter
0.45"

LMC-12
Male quick-connect, 2 pin, 12"
13.5"
Male QC

LMC-70
Male quick-connect long, 2 pin, 70"
70.0"
Male QC

EC-12
Female to Female Extension Cable, 2 pin, 12"
12.0"
Female QC | Female QC

EC-48
Female to Female Extension Cable, 2 pin, 48"
48.0"
Female QC | Female QC

EC-120
Female to Female Extension Cable, 2 pin, 120"
120.0"
Female QC | Female QC

LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12"
21.25"
8.25"
Female QC
Male QC

FMA
Female to male adapter
1.8"
Male QC | Male QC

IS-DC
Male to Female Inline DC Switch, 2 pin, 12"
11.88"
Male QC | Female QC

Sample Layout

Female QC | Female QC | Female QC
LMC-12/70 | EC-12/48/120 | FMA | FMA | EC-12/48/120 | FMA

Female QC | Female QC | Female QC
LMC-12/70 | EC-12/48/120 | FMA | EC-12/48/120 | FMA | FMA

FMA
Female QC | Female QC
LMC-12/70

Back feed shown

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Product Dimensions

0.63" 0.55"

0.83"

1.21"

0.16"

up to 144"

1.40"

1.05"
w/bracket

0.63"

0.55"

Surface

0.83"

1.21"

0.55"

0.64"
w/bracket

0.83"

1.21"

GS - Gypsum surface mounting bracket   **HS** - Hard surface mounting bracket

Note: Spring Bracket minimum ceiling thickness is 3/8", maximum ceiling thickness for drywall is 5/8".

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

Black
Powder Coat

Bronze
Powder Coat

White
Powder Coat

Matte Black
Premium
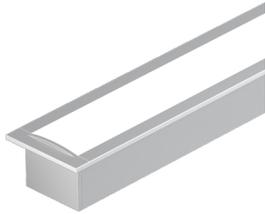
Silver Anodized is a soft silver with a clear finish.

Black is a true deep black with a glossy finish.

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

White is a polar bright white and field paintable.

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

Warm Nickel
Premium

Aged Brass
Premium

Polished Gold
Premium

Chrome
Premium

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

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

Polished Gold is bright and radiant for a brilliant finish.

Chrome is a highly reflective silver polish.

Light Transmission and Dotting

Output Options	Clear Lens				Half Frosted Lens				Frosted Lens			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%
VC72VLO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
VC72LO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
VC72SO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
VC72MO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
VC72HO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
VC72VHO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
VC72XHO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
HE64VLO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
HE64LO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
HE64SO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
HE64MO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
HE64HO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
HE64VHO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
HE64XHO	CD	CD	CD	CD	ND	ND	SD	CD	ND	ND	ND	ND
Transmission Percentage	100%				80%				63%			

Use complete Dotting Chart Tool online for more dotting information

I'm also click-able

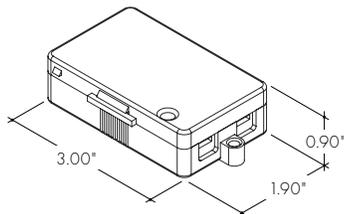**CD** - Clear Dotting

SD - Slight Dotting

ND - No Dotting

Accessory Options

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

3.00"
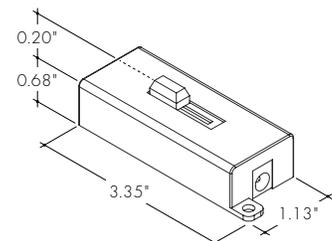0.90"
1.90"

OS-DC-F4-BK
Occupancy Sensor

0.25"
0.68"
1.13"
3.35"
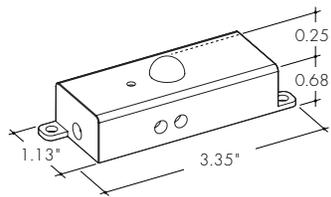
Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output.

DIM-DC-F4-BK
24VDC Low Voltage In-line Dimmer Module
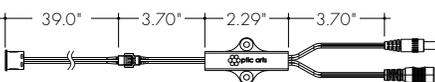
0.20"
0.68"
3.35"
1.13"

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

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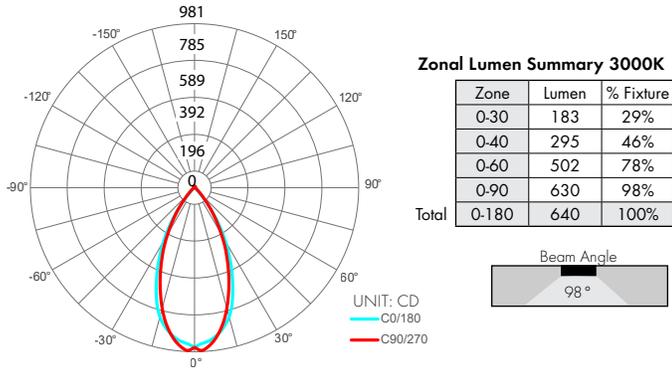Near Infrared Remote Door Sensor

NL.EX.D1.B - 1 IR Sensor

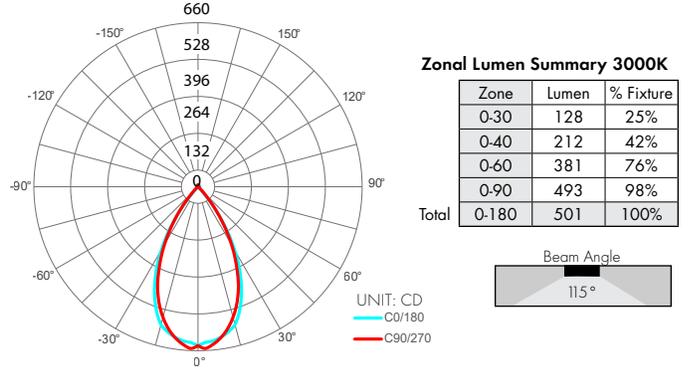39.0" | 3.70" | 2.29" | 3.70"

NL.EX.D3.B - 3 IR Sensor

39.5" | 3.70" | 2.15" | 4.00"
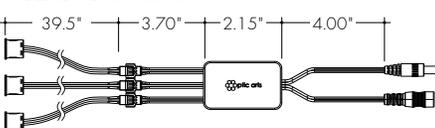
Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output. For more information visit Sensor Spec Sheet (Link)
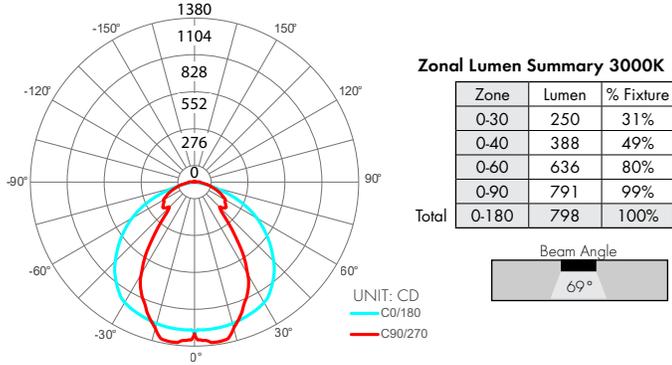
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Photometry

KRXL-48-VC72VHO-30K-HF
Kendo XL Recessed, 4ft, 3000K, VHO, Half Frosted Lens

Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	183	29%
	0-40	295	46%
	0-60	502	78%
	0-90	630	98%
Total	0-180	640	100%

UNIT: CD
— C0/180
— C90/270

Beam Angle
98°

KRXL-48-VC72VHO-30K-F
Kendo XL Recessed, 4ft, 3000K, VHO, Frosted Lens

Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	128	25%
	0-40	212	42%
	0-60	381	76%
	0-90	493	98%
Total	0-180	501	100%

UNIT: CD
— C0/180
— C90/270

Beam Angle
115°

KRXL-48-VC72VHO-30K-C
Kendo XL Recessed, 4ft, 3000K, VHO, Clear Lens

Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	250	31%
	0-40	388	49%
	0-60	636	80%
	0-90	791	99%
Total	0-180	798	100%

UNIT: CD
— C0/180
— C90/270

Beam Angle
69°

REV0.3 02172026 *LUMINII RESERVES THE RIGHTS TO CHANGE SPECIFICATION & INSTRUCTION WITHOUT NOTICE www.luminii.com T: 224-333-6033

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.

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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.
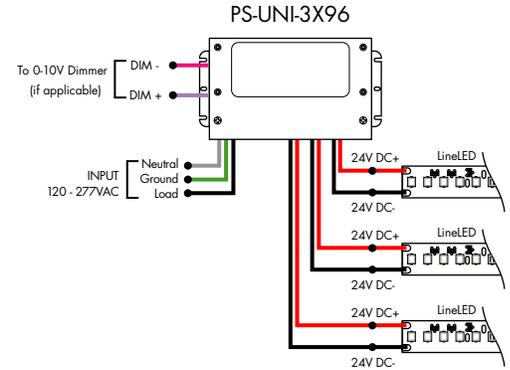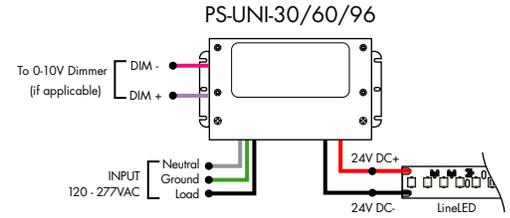
For use with Static White

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

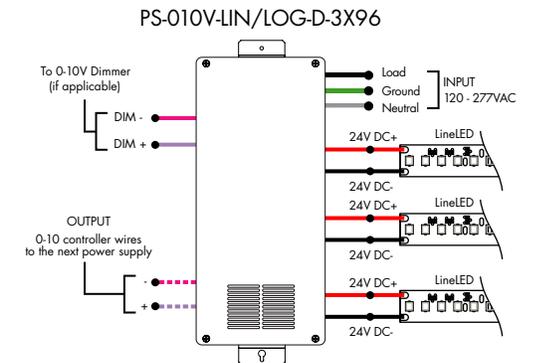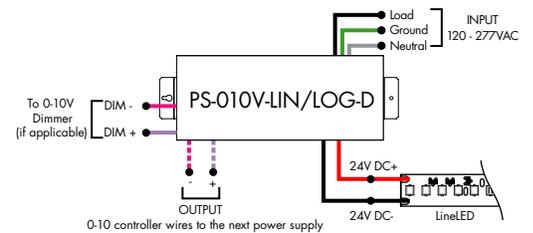| MODELS	PS-UNI-30W	PS-UNI-60W	PS-UNI-96W	PS-UNI-3X96W
Length	6.50"	7.40"	8.66"	11.85"
Width	3.73"	3.73"	3.73"	4.32"
Depth	1.61"	1.61"	1.61"	1.81"

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
OUTPUT
0-10 controller wires to the next power supply

PS-010V-LIN/LOG-D-3X96
OUTPUT
0-10 controller wires to the next power supply

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	**D**-Dry	**96**-96 Watts	**24**-24 VDC	**AWNR**-Athena
	010V-LOG-0-10V Dimming (0.1%), Logarithmic				
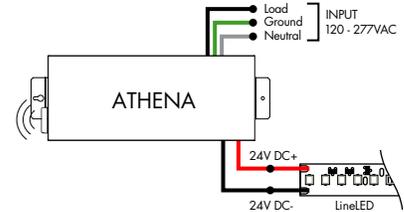
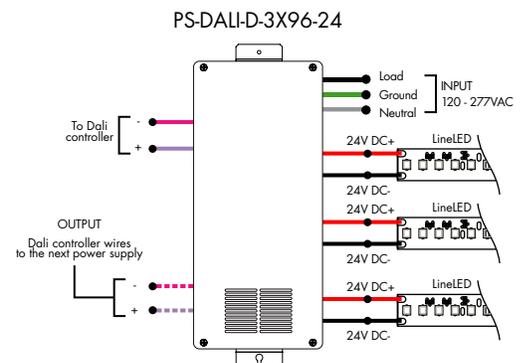| MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

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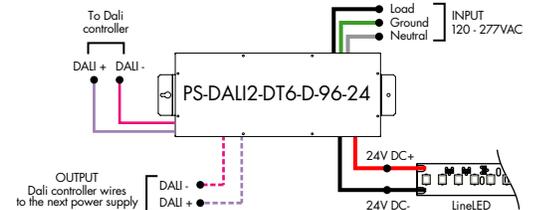
Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

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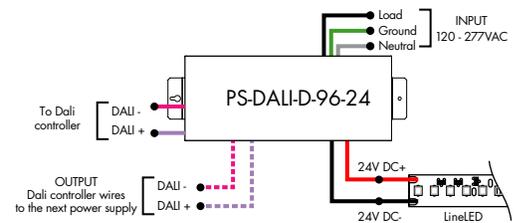
Model	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"

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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.
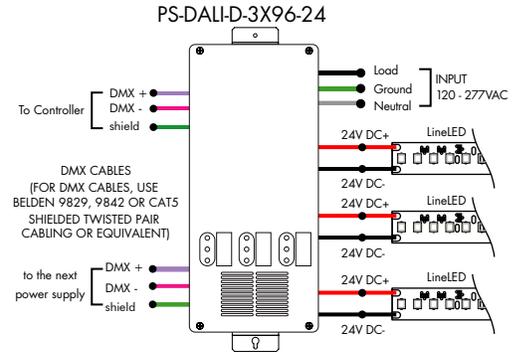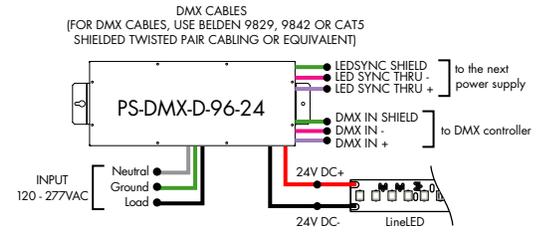
For use with Static White

Ordering Code - 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.

DMX CABLES
(FOR DMX CABLES, USE BELDEN 9829, 9842 OR CAT5 SHIELDED TWISTED PAIR CABLING OR EQUIVALENT)
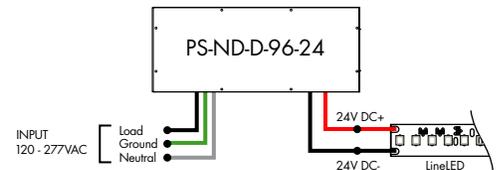
PS-DMX-D-96-24

PS-DALI-D-3X96-24

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"

PS-ND-D-96-24

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"
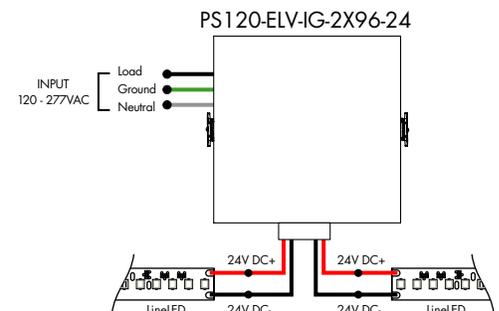
PS120-ELV-IG-2X96-24

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.
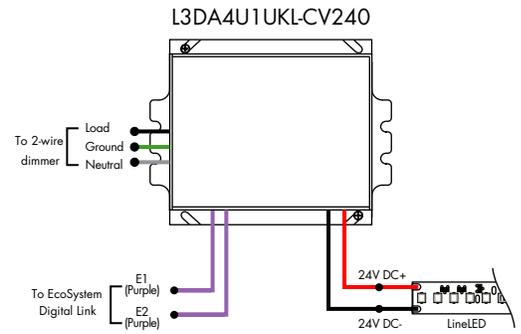
⊗LUTRON®

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"