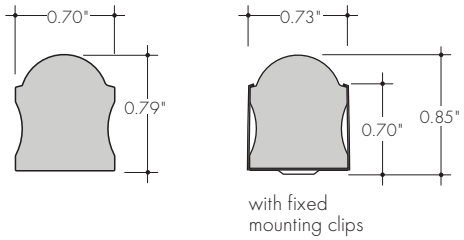
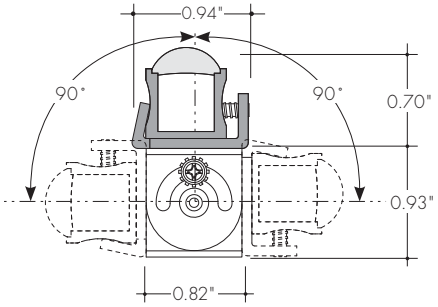
Extruded aluminum linear grazing system, Kendo M Graze features a 11° lightly frosted lens. Available in sections up to 116" long, Kendo M Graze is suitable for highlighting textured surfaces, stone walls or for edge lighting. Class 2 listed for damp location installations. Approved for closet/storage space installation per NFPA 70, article 410.16. 5 year warranty.



with fixed mounting clips



Adjustable mounting bracket allows 90° tilt in both directions.

MADE IN U.S.A

c UL us LISTED

IC RATED

RoHS

Single Bin +/-30 CCT

DIM

Finish options

- Black powder coated
- Bronze powder coated
- Silver anodized
- White powder coated

Technical information

Output Options

Output type	**HO** (LL54)	**VHO** (LL72)
Lumens at 3000K	310 lum/ft	368 lum/ft
Average power consumption at 4'	5.2 W/ft	6.5 W/ft
Maximum system length *Achievable via feed through fixture wiring.*	26'	18'
Operating Voltage	24VDC	24VDC

CCT INFO / LUMEN MULTIPLIER		TM-30-15		
Color Temperature	Multiplier (reference - 3000K)	CRI	R_f	R_g
1900K	0.63	96	94	97
2200K	0.68	96	95	101
2400K	0.72	98	97	101
2700K	0.76	97	96	101
2900K	0.82	98	96	102
3000K	1.00	97	95	104
3500K	1.05	97	94	105
4100K	1.37	97	90	99

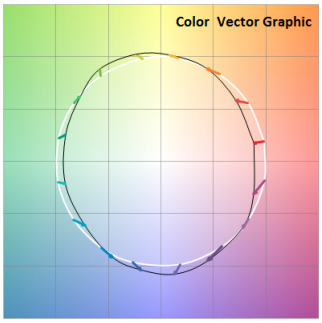
Ordering code

MODEL	LENGTH	CCT	OUTPUT	LENS	MOUNTING	FINISH	POWER FEED
KMG	12	19K	HO	11	A	SA	F1
Kendo M Graze	12"- 116" 4" increments	19K - 1900K 22K - 2200K 24K - 2400K 27K - 2700K 29K - 2900K 30K - 3000K 35K - 3500K 41K - 4100K	HO - High VHO - VeryHigh	11° - Semi-frosted	A - Adjustable F - Fixed	SA - Silver BK - Black BZ - Bronze WH - White (BK,BZ,WH finishes will have an upcharge and require longer lead times)	F1 - 72" wire leads F1X2 - 72" wire lead at both ends F2 - 72" wire leads at one end and quick connect at other F3 - Single quick connect F4 - Dual quick connect

TM-30-15: Data

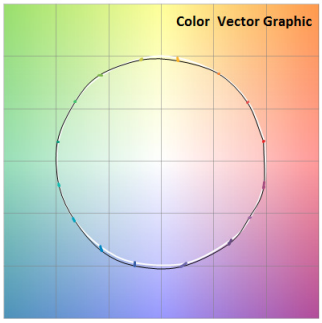
Based on LED Values

22K CCT



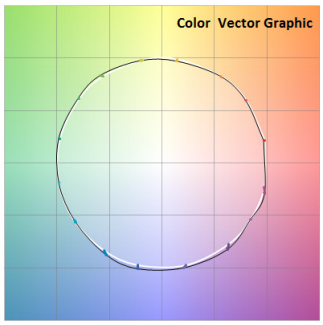
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	79	-10%	0%
2	79	-8%	8%
3	70	-2%	14%
4	85	2%	8%
5	90	5%	5%
6	90	6%	-3%
7	84	-2%	-8%
8	89	-6%	-4%
9	85	-6%	3%
10	78	-6%	11%
11	77	2%	14%
12	79	6%	9%
13	88	8%	-7%
14	67	4%	-20%
15	84	0%	-10%
16	75	-7%	-14%

24K CCT



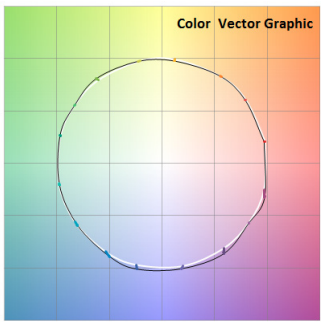
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	97	-1%	0%
2	97	-1%	0%
3	97	0%	1%
4	95	-3%	-1%
5	96	-1%	2%
6	96	1%	3%
7	97	0%	1%
8	98	1%	0%
9	97	0%	2%
10	95	0%	3%
11	93	3%	4%
12	93	3%	1%
13	93	3%	-6%
14	92	2%	-4%
15	95	-1%	-1%
16	91	0%	-6%

27K CCT



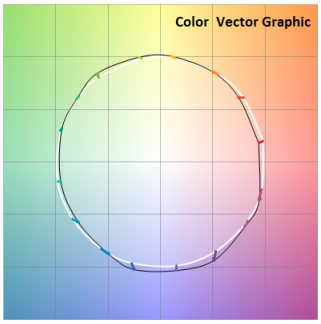
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	97	-1%	0%
2	98	0%	0%
3	96	0%	1%
4	96	-2%	0%
5	96	0%	2%
6	95	2%	2%
7	96	1%	0%
8	98	1%	-1%
9	98	0%	1%
10	95	0%	3%
11	92	2%	5%
12	93	3%	1%
13	95	2%	-3%
14	93	3%	-3%
15	96	0%	-1%
16	91	1%	-6%

29K CCT



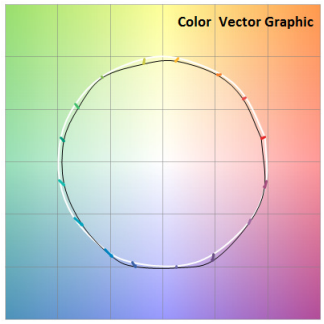
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	79	-10%	0%
2	79	-8%	8%
3	70	-2%	14%
4	85	2%	8%
5	90	5%	5%
6	90	6%	-3%
7	84	-2%	-8%
8	89	-6%	-4%
9	85	-6%	3%
10	78	-6%	11%
11	77	2%	14%
12	79	6%	9%
13	88	8%	-7%
14	67	4%	-20%
15	84	0%	-10%
16	75	-7%	-14%

30K CCT



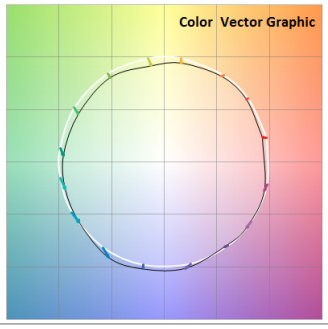
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	90	-4%	-1%
2	91	-4%	3%
3	86	-1%	7%
4	91	1%	5%
5	92	2%	3%
6	93	4%	-1%
7	92	0%	-4%
8	95	-1%	-2%
9	94	-3%	1%
10	87	-3%	6%
11	84	0%	10%
12	88	6%	4%
13	92	4%	-1%
14	88	6%	-6%
15	89	1%	-7%
16	85	0%	-11%

35K CCT



		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	91	-4%	0%
2	93	-3%	0%
3	92	-2%	2%
4	92	-3%	1%
5	91	-5%	1%
6	96	-1%	1%
7	92	-4%	1%
8	93	-3%	2%
9	90	-4%	5%
10	83	-3%	10%
11	83	2%	10%
12	89	3%	4%
13	95	2%	-1%
14	90	5%	-4%
15	90	1%	-5%
16	88	0%	-6%

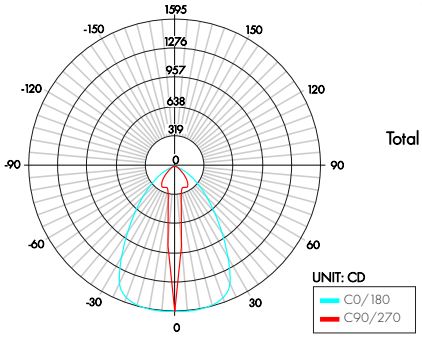
41K CCT



		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	88	-4%	1%
2	93	-2%	1%
3	93	-2%	1%
4	89	-4%	-2%
5	88	-7%	-1%
6	93	-4%	0%
7	88	-7%	3%
8	87	-4%	6%
9	82	-3%	12%
10	79	0%	12%
11	83	5%	9%
12	91	4%	0%
13	89	3%	-6%
14	92	-1%	-3%
15	84	0%	-7%
16	84	-1%	-6%

Photometry

KMG-48-30K-HO-11-XX



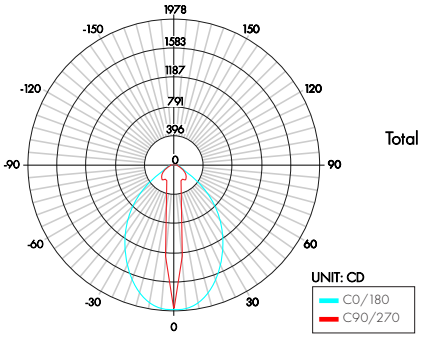
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	497	40%
0-40	728	59%
0-60	1050	85%
0-90	1201	97%
Total 0-180	1239	100%

Beam Angle

11 °

KMG-48-30K-VHO-11-XX



Zonal Lumen Summary 3000K

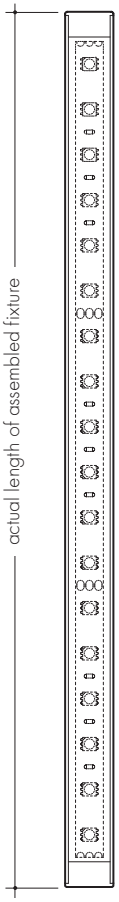
Zone	Lumen	% Fixture
0-30	593	40%
0-40	830	56%
0-60	1224	83%
0-90	1438	98%
Total 0-180	1471	100%

Beam Angle

11 °

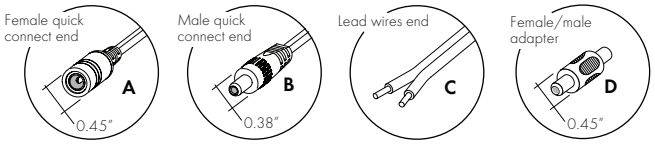
Power consumption per fixture length

Based on operation with PSD series of power supplies.



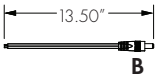
Nominal Length	Actual Length	HO W/ft	HO Total wattage	Actual Length	VHO W/ft	VHO Total wattage
12″	12-11/16"	5.35	5.30	12-11/16"	6.75	6.75
16″	16-10/16"	5.33	7.06	16-9/16"	6.75	9.00
20″	20-10/16"	5.31	8.82	20-9/16"	6.75	11.25
24″	24-9/16"	5.30	10.60	24-8/16"	6.75	13.50
28″	28-7/16"	5.28	12.33	28-7/16"	6.75	16.75
32″	32-7/16"	526	14.06	32-6/16"	6.75	19.00
36″	36-6/16"	5.25	15.80	36-5/16"	6.65	19.95
40″	40-5/16"	5.23	17.40	41-4/16"	6.65	22.20
44″	44-4/16"	5.21	19.00	45-3/16"	6.65	24.40
48″	48-3/16"	5.20	20.60	49-2/16"	6.55	26.20
52″	53-7/16"	5.18	22.40	53-1/16"	6.55	28.50
56″	57-6/16"	5.16	24.20	57 "	6.55	30.50
60″	61-5/16"	5.15	26.00	60-15/16"	6.45	32.25
64″	65-4/16"	5.13	27.60	64-14/16"	6.45	34.40
68″	69-3/16"	5.11	29.20	68-13/16"	6.45	36.55
72″	73-2/16"	5.10	30.80	72-12/16"	6.40	38.40
76″	77-1/16"	5.08	32.40	76-11/16"	6.40	40.50
80″	81-1/16"	5.06	34.00	80-10/16"	6.40	43.00
84″	85 "	5.05	35.70	84-9/16"	6.25	43.75
88″	88-14/16"	5.03	37.10	88-8/16"	6.25	46.00
92″	92-13/16"	5.01	38.50	92-7/16"	6.25	48.00
96″	96-13/16"	5.00	40.00	97-6/16"	6.15	49.20
100″	100-12/16"	4.98	41.60	101-5/16"	6.15	51.25
104″	104-11/16"	4.96	43.20	105-3/16"	6.15	53.00
108″	108-10/16"	4.95	44.80	109-3/16"	6.00	54.00
112″	112-9/16"	4.93	46.20	113-2/16"	6.00	56.00
116″	116-8/16"	4.91	47.60	117-1/16"	6.00	58.00

Connectors & Accessories

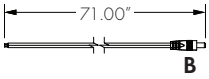


Linking and extension cable options

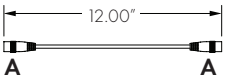
Male quick-connect
Part # LMC



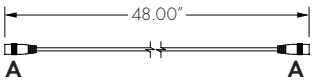
Male quick-connect long
Part # LMC-70



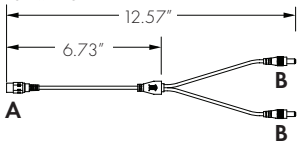
12″ extension cable
Part # EC-12



48″ extension cable
Part # EC-48

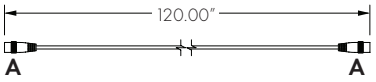


Y-splitter
Part # LYC

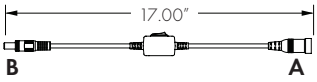


Female/male adaptor
Part # FMA

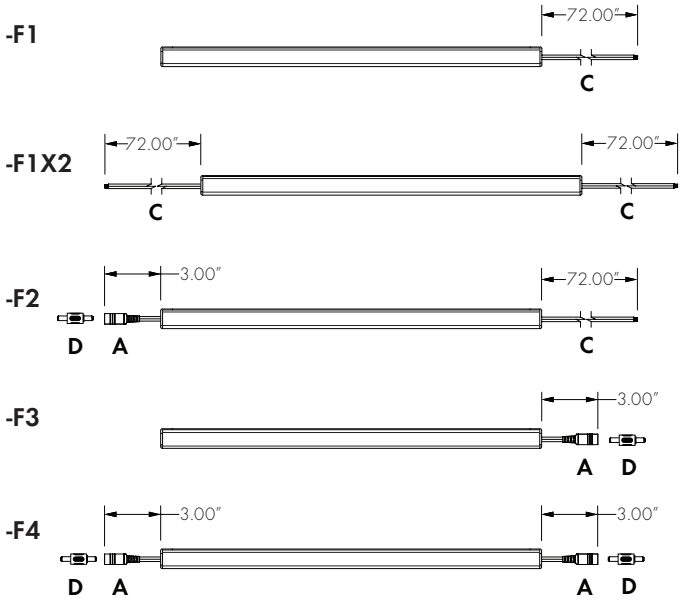
120″ extension cable
Part # EC-120



Inline DC switch
Part # IS-DC

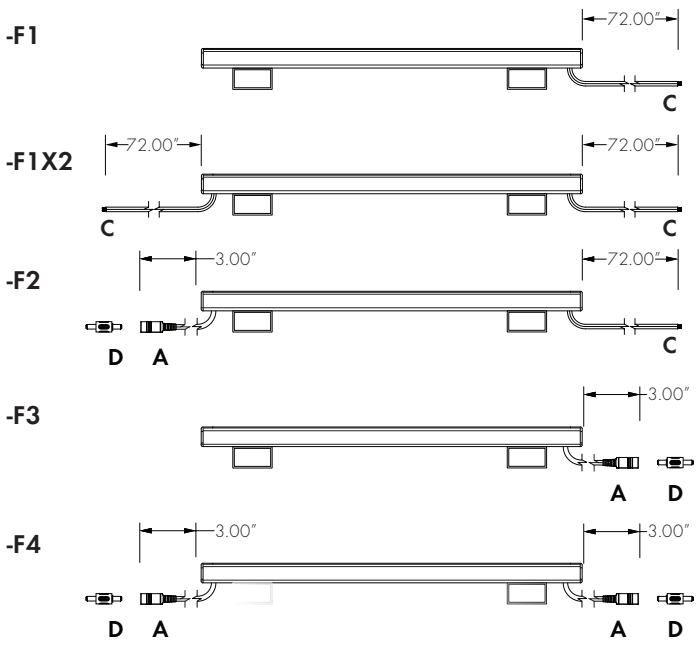


Powerfeed options



-F3, & F4 powerfeed options require #LMC to connect to PSD series of power supplies.

Powerfeed options with adjustable bracket

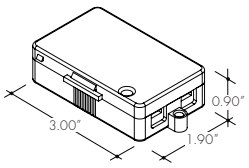


Accessory options

Splice Box

LVSP-4T-BK

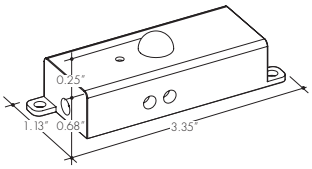
Low voltage, 4 terminal splice box, black



PIR Infrared Occupancy Sensor

OS-DC-F4-BK

OS-DC-F4-BK - Occupancy Sensor

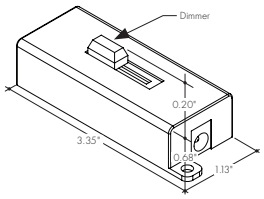


Note: a Male quick connector for input and output is required.

24VDC Low Voltage In-Line Dimmer Module

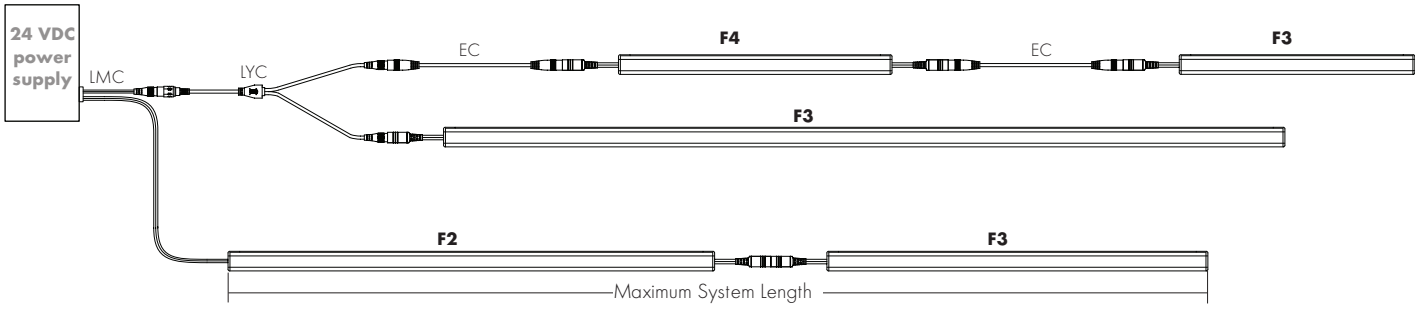
DIM-DC-F4-BK

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



Note: a Male quick connector for input and output is required.

Sample layout of powerfeed connections



Power Supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

Universal Power Supply

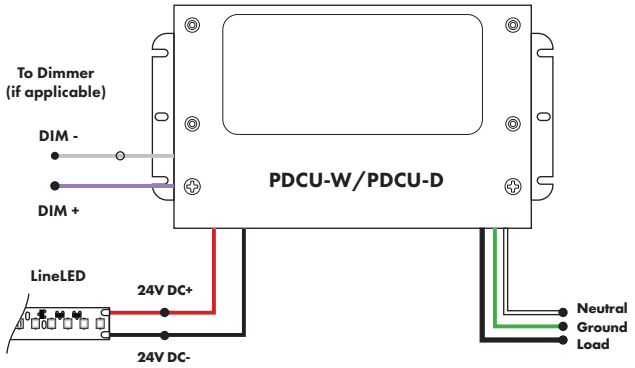
MODEL		POWER		OUTPUT
PDCU-W	-	96	-	24

PDCU-W - IP66 Wet Series
- 96 - 96 W
- 3X96 - 3X96 W

24 - 24 VDC

PDCU-D - IP20 Dry Series
- 30 - 30 W
- 60 - 60 W
- 96 - 96 W
- 3X96 - 3X96 W

0-10V - 1% dimming
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart
Compatibility:
View a complete list of compatible dimmers on product page (Link)



MODELS		PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
A	Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
B	Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
	Depth	1.61"	1.81"	1.33	1.32"	1.56"	1.13"

Magnetic Low Voltage Dimming Power Supplies

MODEL		POWER		OUTPUT		INPUT
PSD	-	48	-	24	-	

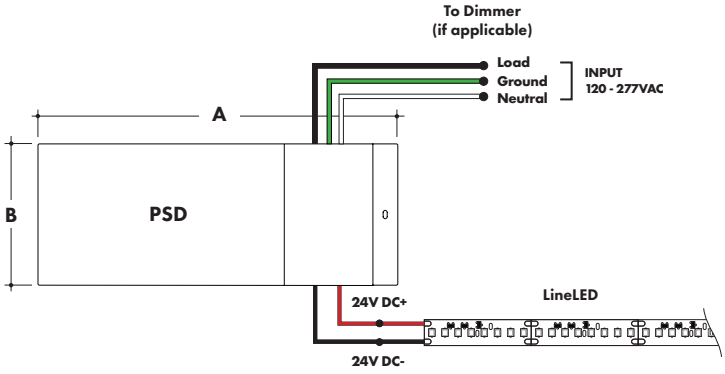
PSD - PSD Series dims down to 0%

48 - 48 Watt
96 - 96 Watt
288 - 288 Watt (3 x 96Watt)

24 - 24 VDC

Blank - 120 V
240 - 240 V
277 - 277 V

MODELS		48W	96W	288W
A	Length	11.25"	11.25"	13.06"
B	Width	3.42"	3.42"	8.42"
	Depth	3.42"	3.27"	4.47"

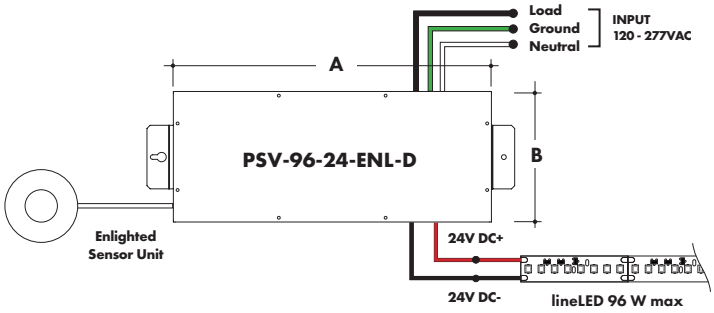


Enlighted Enabled Dimming Power Supplies:

MODEL		POWER		OUTPUT		DIMMING		LOCATION
PSV	-	96	-	24	-	ENL	-	D

PSV - PSV Series
96 - 96 Watt
24 - 24 VDC
ENL - Enlighted Dimming
D - Damp

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



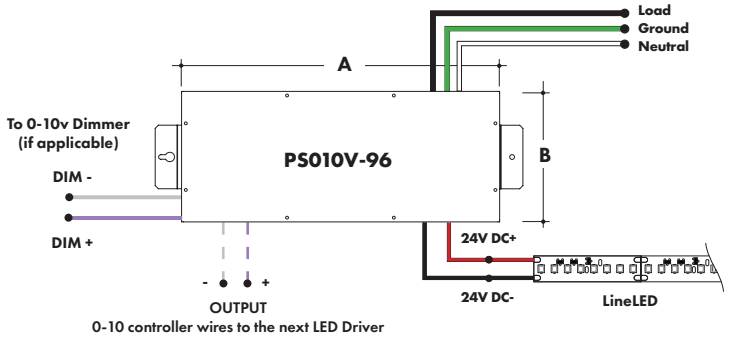
Power Supply

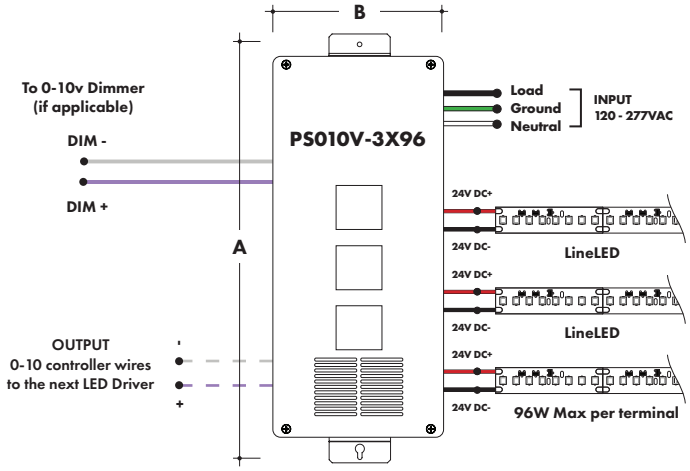
See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

0-10V Dimming Power Supplies

MODEL		POWER		OUTPUT		DIMMING
PS010V	-	96	-	24	-	LIN
PS010V - 0-10V Power Supply dims down to 0%		96 - 96 Watt 3X96 - 3 X 96 Watt		24 - 24 VDC		LIN - Linear LOG - Logarithmic

	MODELS	96W	3X96
A	Length	14.40"	15.75"
B	Width	5.20"	6.62"
	Depth	2.60"	4.95"

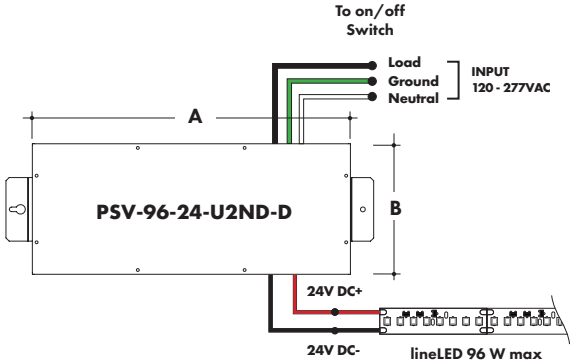




Non-Dimming Power Supply

MODEL		POWER		OUTPUT		DIMMING		LOCATION
PSV	-	96	-	24	-	U2ND	-	D
PSV - PSV Series		96 - 96 Watt		24 - 24 VDC		U2ND - Non Dimming		D - Damp

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



Power Supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

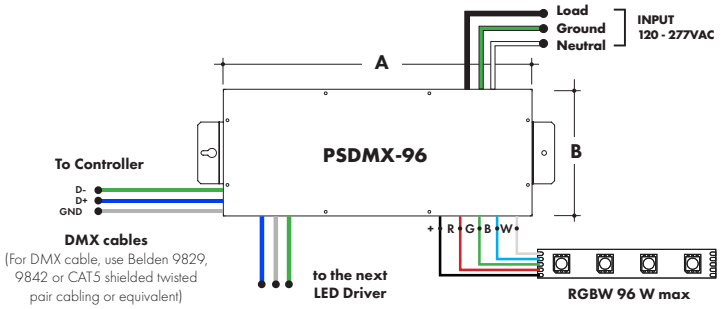
DMX Dimming Power Supplies

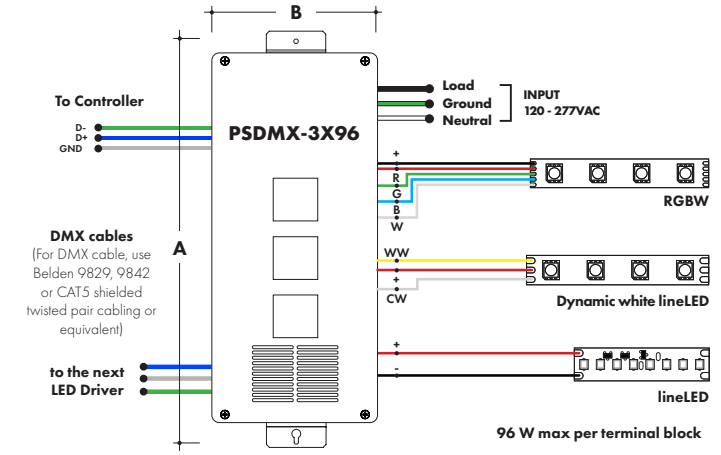
MODEL		POWER		OUTPUT
PSDMX	-	96	-	24

PSDMX - DMX Power Supply
96 - 96 Watt
3X96 - 3 X 96 Watt
24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

	MODELS	96W	3X96
A	Length	14.40"	15.75"
B	Width	5.20"	6.62"
	Depth	2.60"	4.95"





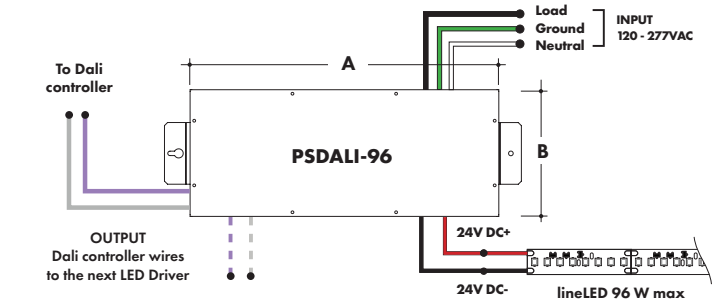
DALI Dimming Power Supplies

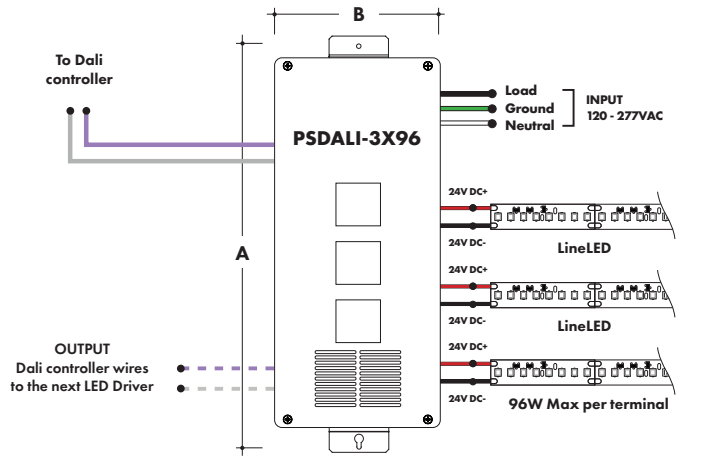
MODEL		POWER		OUTPUT
PSDALI	-	96	-	24

PSDALI - DALI Power Supply dims down to 0%
96 - 96 Watt
3X96 - 3 X 96 Watt
24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

	MODELS	96W	3X96
A	Length	14.40"	15.75"
B	Width	5.20"	6.62"
	Depth	2.60"	4.95"





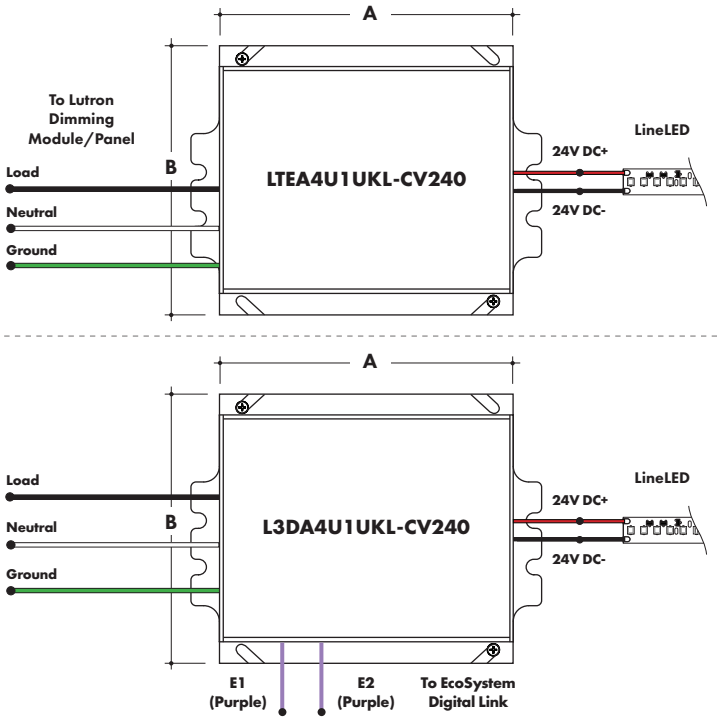
Power Supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

LUTRON®
Luminii is a Lutron OEM Advantage Partner

MODEL	MODEL
LTEA4U1UKL-CV240	L3DA4U1UKL-CV240
Lutron - Hi-lume™ 1% 2-wire LED Driver (120V forward phase only)	Hi-lume™ 1% EcoSystem Voltage LED driver

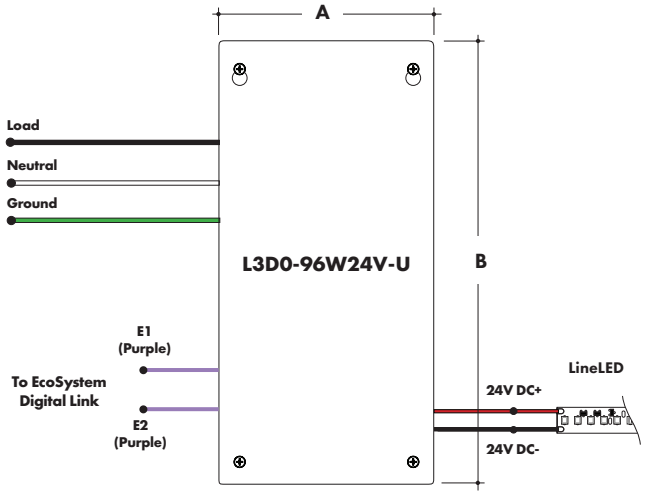
	MODELS	LTEA41UKL-CV240	L3DA4U1UKL-CV240
A	Length	4.89"	4.98"
B	Width	4.00"	4.00"
	Depth	2.62"	2.62"



LUTRON®
Luminii is a Lutron OEM Advantage Partner

MODEL
L3D0-96W24V-U
Hi-lume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™

	MODELS	L3D0
A	Length	10.50"
B	Width	5.50"
	Depth	2.00"



Power Supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

In ground, Electronic Low Voltage Dimming Power Supplies

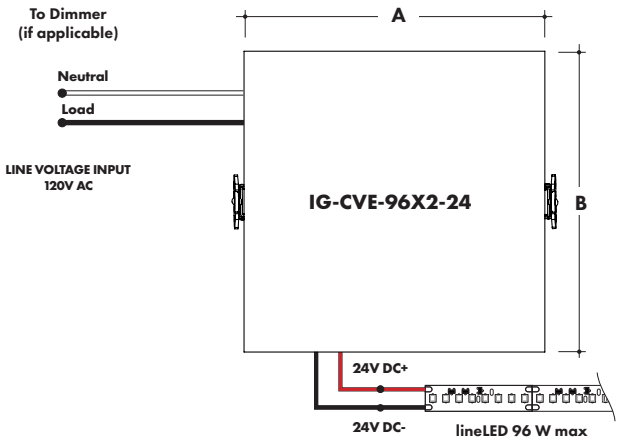
MODEL			POWER		OUTPUT		INPUT
IG	-	CVE	-	96X2	-	24	-	

IG - In ground CVE Series

CVE - ELV Dimming
DALI - eldoLED Dali dimming
Both dims down to 0.1%

96X2 - 2 X 96 Watt

24 - 24 VDC

Blank - 120 V
277 - 240/277 V

	MODELS	Dual Circuit
A	Length	8.40"
B	Width	8.30"
	Depth	8.10"