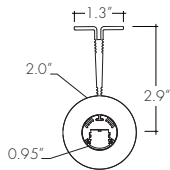




Features

- 24VDC Class 2 fixtures made to order up to 76". Fixtures can be linked up to 48' depending on output
- Suitable for illuminating clothing and other hanging items.
- Approved for closet/storage space installation per NEC 410.16(A)(3) and 410.16(C)(5)
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- 5 Year warranty
- High Color Quality options offer premium quality and vibrant colors with R9 values up to 97
- High Efficacy options offer best in class output and efficacy with over 380 lm/ft and up to 111 lm/W
- 1/2" of space from LED is available on either end of the extrusion for field cutting.
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors.



Finish Options (see page 2 for additional information)

- | | | |
|-----------------|-------------|---------------|
| Silver Anodized | White | Aged Brass |
| Black | Matte Black | Polished Gold |
| Bronze | Warm Nickel | Chrome |



Technical Information

MODEL	High Color Quality		High Efficacy		
	72SO	72HO	HE48LO	HE48SO	HE48MO
OUTPUT OPTIONS					
Lumens Output (3000K) <small>(with a Clear Lens)</small>	215 lm/ft	349 lm/ft	209 lm/ft	289 lm/ft	387 lm/ft
Average Power Consumption <small>(for a 4' section)</small>	2.8 W/ft	4.8 W/ft	1.9 W/ft	2.8 W/ft	3.5 W/ft
Efficacy	77 lm/W	73 lm/W	110 lm/W	103 lm/W	111 lm/W
Max Run Length <small>(in series)</small>	40 ft	31 ft	48 ft	42 ft	33 ft
Max Ambient Temperature*	50°C [122°F]		50°C [122°F]		

*Max Ambient Temperature to maintain L70 of 50k+ hours. Exceeding Max Ambient Temperature may result in decreased life/output. Consult Technical Support for specific inquiries.

High Color Quality (72)

CCT	Multiplier <small>(reference - 3000K)</small>	CRI	TM-30		
			R _f	R _g	R ₉
1900K	0.55	96	94	97	90
2200K	0.70	96	95	101	89
2400K	0.72	98	97	101	91
2700K	0.74	97	96	101	91
3000K	1.00	97	95	104	97
3500K	1.02	97	94	105	97
4100K	1.07	97	90	99	97

High Efficacy (HE48/HE64)

CCT	Multiplier <small>(reference - 3000K)</small>	CRI	TM-30		
			R _f	R _g	R ₉
2200K	0.73	92	91	97	42
2500K	0.81	93	96	96	62
2700K	0.94	92	90	99	58
3000K	1.00	92	89	99	57
3500K	1.02	92	89	99	60
4000K	1.02	92	86	94	71

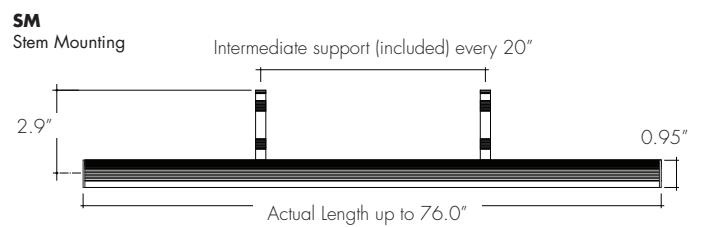
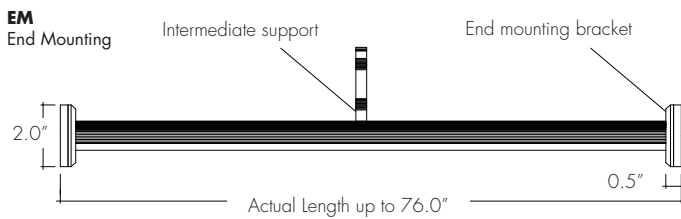
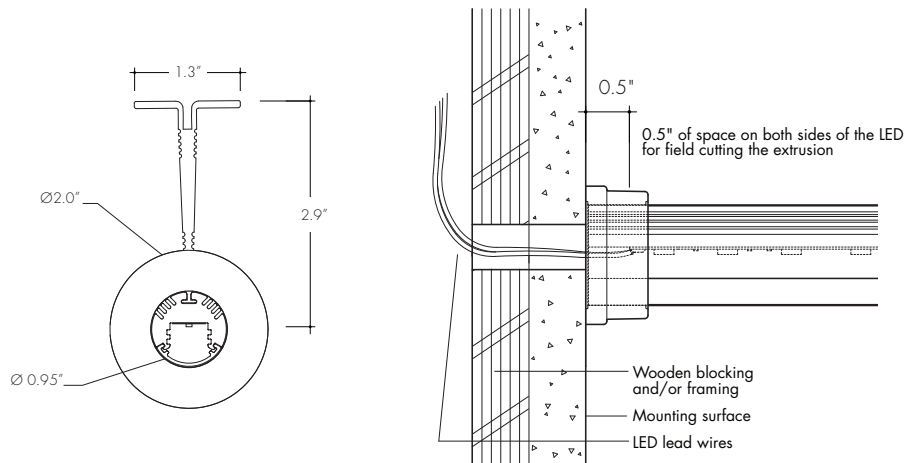
Ordering Code

MODEL	LENGTH ¹	OUTPUT	CCT	LENS ²	MOUNTING	FINISH ³	POSITION TYPE	POWER FEED
KCR-Kendo Closet Rod	12" - 76" 2" increments	72SO-Standard 72HO-High	19K-1900K 22K-2200K 24K-2400K 27K-2700K 30K-3000K 35K-3500K 41K-4100K	C-Clear F-Frosted	EM-End Mounting SM-Stem Mounting	SA-Silver Anodized BK-Black BZ-Bronze WH-White MBK-Matte Black WN-Warm Nickel AB-Aged Brass PG-Polished Gold ⁴ CH-Chrome ⁴	E-End	1-72" wire leads 1X2-72" wire leads at both ends 2-72" wire leads at one end and Quick Connect at other 3-Single Quick Connect 4-Dual Quick Connect
	12" - 76" 2" increments	HE48LO-Low HE48SO-Standard HE48MO-Medium	22K-2200K 25K-2500K 27K-2700K 30K-3000K 35K-3500K 40K-4000K					

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.
2 - All High Efficacy options can be used with Title 24 JAB. High Color Quality options can be used to comply with Title 24 JAB depending on Output, CCT, and lens selections. See multiplier charts to calculate specific efficacies.

3 - Non SA finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
4 - Polished Gold finishes have a maximum fixture length of 48", and Chrome finishes have a maximum fixture length of 72".

Product Dimensions



Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Silver Anodized finishes may have extended lead times.
- Polished Gold finishes have a maximum fixture length of 48", and Chrome finishes have a maximum fixture length of 72".
- Custom RALs are available, please consult Inside Sales with specific request.

Silver Anodized



Silver Anodized is a soft silver with a clear finish.

Black



Black is a true deep black with a glossy finish.

Bronze



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

White



White is a polar bright white and field paintable.

Matte Black



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

Warm Nickel



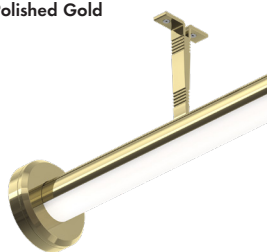
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass



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

Polished Gold



Polished Gold is bright and radiant for a brilliant finish.

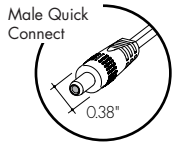
Chrome



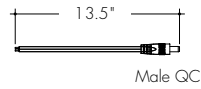
Chrome is a highly reflective silver polish.

Powerfeeds and Connectors

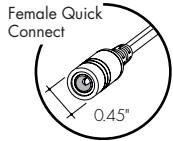
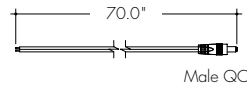
Linking and Extension Cable Options



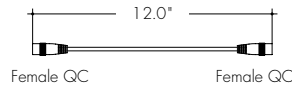
LMC-12
Male quick-connect, 2 pin, 12"



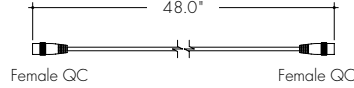
LMC-70
Male quick-connect long, 2 pin, 70"



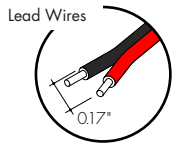
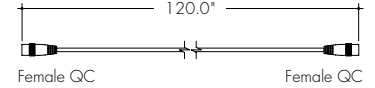
EC-12
Female to Female Extension Cable, 2 pin, 12"



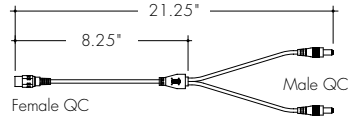
EC-48
Female to Female Extension Cable, 2 pin, 48"



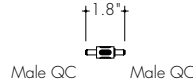
EC-120
Female to Female Extension Cable, 2 pin, 120"



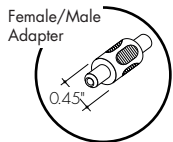
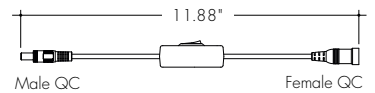
LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12"



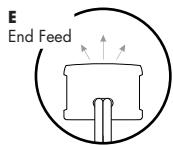
FMA
Female to male adapter



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



Powerfeeds Position/Type



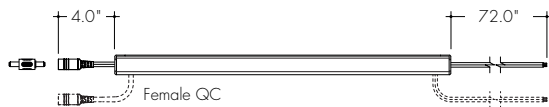
1
72" wire leads



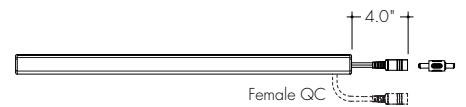
1X2
72" wire leads at both ends



2
72" wire leads at one end and Female Quick Connect at other



3
Single Female Quick Connect

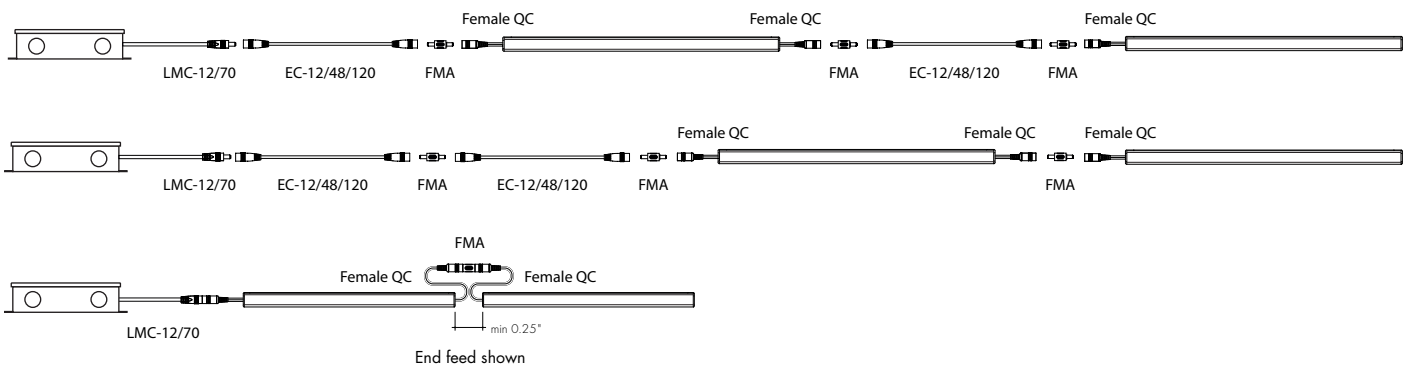


4
Dual Female Quick Connect



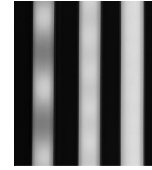
Side and Back feeds shown as dashed lines
All wires are 18 AWG unless otherwise specified

Sample Layout



Light Transmission and Dotting

Output Options	Lens/Accessory	
	Clear	Frosted
72SO	CD	ND
72HO	CD	ND
HE48LO	CD	ND
HE48SO	CD	ND
HE48MO	CD	ND
Transmission Percentage	100%	69%

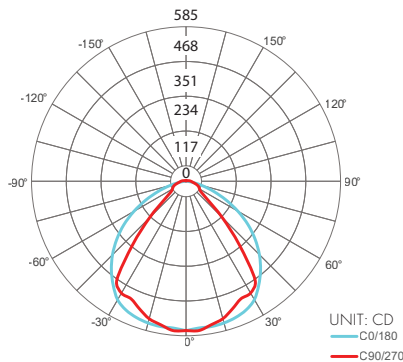


CD SD ND
 CD - Clear Dotting
 SD - Slight Dotting
 ND - No Dotting

Photometry

KCR-48-72HO-30K-C

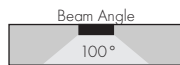
Kendo Closet Rod, 4ft, 3000K, HO, Clear Lens



Zonal Lumen Summary 3000K

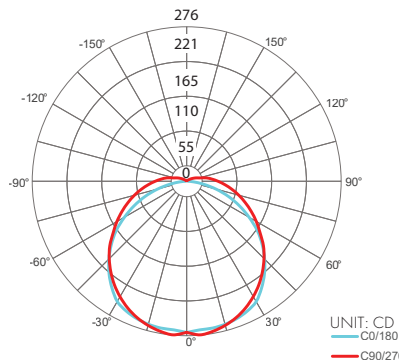
Zone	Lumen	% Fixture
0-30	446	32.0%
0-40	735	52.6%
0-60	1187	85.1%
0-90	1360	97.4%
0-180	1395	100%

Total



KCR-48-72HO-30K-F

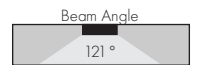
Kendo Closet Rod, 4ft, 3000K, HO, Frosted Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	212	22.0%
0-40	352	36.7%
0-60	645	67.1%
0-90	901	93.7%
0-180	962	100%

Total



Power Consumption

Tested at Full Power with PDCU Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please contact factory with specific request.

High Color Quality (72)

Nominal Length (in)	End Feed Actual Length	Watts		Nominal Length (in)	End Feed Actual Length	Watts	
		SO	HO			SO	HO
12	11	2.7	4.4	47	46 14/16	10.2	17.1
13	12 3/16	2.7	4.4	48	–	–	–
14	13 5/16	2.7	4.4	49	48 1/16	10.5	17.4
15	14 8/16	2.9	4.8	50	49 3/16	10.7	17.8
16	15 10/16	3.1	5.2	51	50 6/16	11.1	18.6
17	16 13/16	3.4	5.6	52	51 9/16	11.4	18.9
18	17 15/16	3.6	6.0	53	52 11/16	11.6	19.3
19	–	–	–	54	53 14/16	11.9	19.7
20	19 2/16	3.9	6.5	55	–	–	–
21	20 4/16	4.4	7.3	56	55	12.1	20.1
22	21 7/16	4.6	7.7	57	56 3/16	12.3	20.5
23	22 9/16	4.8	8.1	58	57 5/16	12.8	21.3
24	23 12/16	5.1	8.6	59	58 8/16	13.1	21.6
25	24 14/16	5.3	9.0	60	59 10/16	13.3	22.0
26	–	–	–	61	60 13/16	13.6	22.4
27	26 1/16	5.6	9.4	62	61 15/16	13.8	22.8
28	27 3/16	5.8	9.8	63	–	–	–
29	28 6/16	6.2	10.5	64	63 2/16	14.0	23.1
30	29 8/16	6.5	10.9	65	64 4/16	14.5	23.8
31	30 11/16	6.7	11.2	66	65 7/16	14.7	24.1
32	31 14/16	6.9	11.6	67	66 9/16	14.9	24.4
33	–	–	–	68	67 12/16	15.1	24.7
34	33	7.1	12.0	69	68 14/16	15.3	25.0
35	34 3/16	7.3	12.3	70	–	–	–
36	35 5/16	7.8	13.1	71	70 1/16	15.5	25.4
37	36 8/16	8.0	13.4	72	71 3/16	15.8	25.7
38	37 10/16	8.2	13.8	73	72 6/16	16.2	26.3
39	38 13/16	8.4	14.2	74	73 9/16	16.4	26.6
40	39 15/16	8.7	14.5	75	74 11/16	16.6	26.9
41	–	–	–	76	75 14/16	16.8	27.3
42	41 2/16	8.9	14.9				
43	42 4/16	9.3	15.6				
44	43 7/16	9.6	16.0				
45	44 9/16	9.8	16.4				
46	45 12/16	10.0	16.7				

Power Consumption

Tested at Full Power with PDCU Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please contact factory with specific request.

High Efficacy (HE48)

Nominal Length (in)	End Feed Actual Length	Watts			Nominal Length (in)	End Feed Actual Length	Watts		
		LO	SO	MO			LO	SO	MO
12	11 9/16	1.7	2.5	3.5	47	-	-	-	
13	-	-	-	-	48	47	6.9	10.7	13.3
14	13 9/16	1.7	2.5	3.5	49	49	7.1	11.2	13.9
15	-	-	-	-	50	-	-	-	-
16	15 8/16	2.0	3.0	4.0	51	50 15/16	7.4	11.7	14.5
17	-	-	-	-	52	-	-	-	-
18	17 8/16	2.4	3.5	4.6	53	52 15/16	7.7	12.3	15.1
19	-	-	-	-	54	-	-	-	-
20	19 7/16	2.7	3.9	5.2	55	54 14/16	8.0	12.9	15.7
21	-	-	-	-	56	-	-	-	-
22	21 7/16	3.0	4.4	5.8	57	56 14/16	8.4	13.5	16.4
23	-	-	-	-	58	-	-	-	-
24	23 6/16	3.4	4.9	6.4	59	58 13/16	8.7	14.0	17.0
25	-	-	-	-	60	-	-	-	-
26	25 6/16	3.7	5.4	7.0	61	60 13/16	9.0	14.6	17.6
27	-	-	-	-	62	-	-	-	-
28	27 5/16	4.1	5.9	7.5	63	62 12/16	9.4	15.2	18.2
29	-	-	-	-	64	-	-	-	-
30	29 5/16	4.4	6.4	8.1	65	64 12/16	9.7	15.6	18.7
31	-	-	-	-	66	-	-	-	-
32	31 4/16	4.8	6.9	8.7	67	66 11/16	10.0	16.1	19.2
33	-	-	-	-	68	-	-	-	-
34	33 4/16	5.0	7.2	9.0	69	68 11/16	10.4	16.5	19.8
35	-	-	-	-	70	-	-	-	-
36	35 3/16	5.4	7.7	9.6	71	70 10/16	10.7	17.0	20.3
37	-	-	-	-	72	-	-	-	-
38	37 3/16	5.7	8.2	10.2	73	72 10/16	11.0	17.4	20.8
39	-	-	-	-	74	-	-	-	-
40	39 2/16	6.0	8.7	10.8	75	74 9/16	11.3	17.9	21.4
41	-	-	-	-					
42	41 2/16	6.2	9.2	11.4					
43	-	-	-	-					
44	43 1/16	6.4	9.7	12.0					
45	-	-	-	-					
46	45 1/16	6.7	10.2	12.6					

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

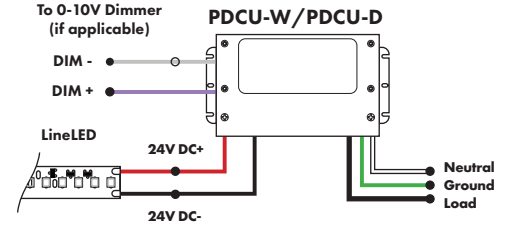
Power Supplies

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.

Universal Power Supply 1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W	24 - 24 VDC
PDCU-W - IP66 Wet Series	96 - 96 W 3X96 - 3X96 W	

0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.
For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.

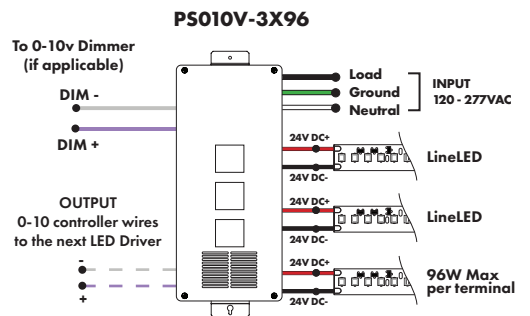
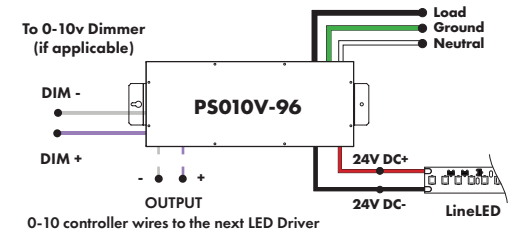


MODELS	PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33"	1.32"	1.56"	1.13"

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

MODEL	POWER	OUTPUT	DIMMING
PS010V - 0-10V Power Supply dims down to 0.1%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC	LIN - Linear LOG - Logarithmic

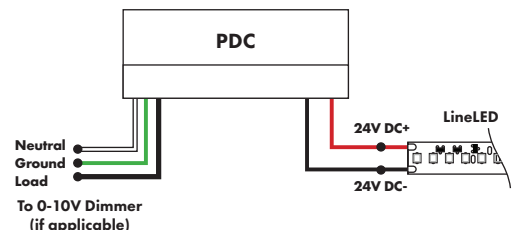
MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



Triac, MLV, & ELV Compatible Dimmers

MODEL	POWER	OUTPUT
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC

MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"



Power Supplies

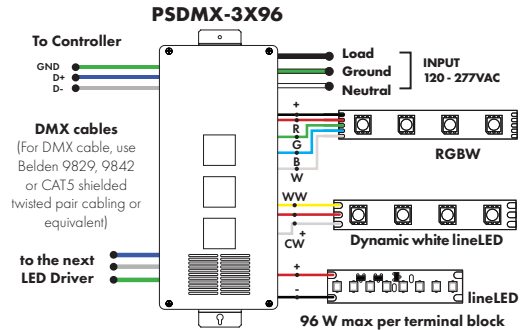
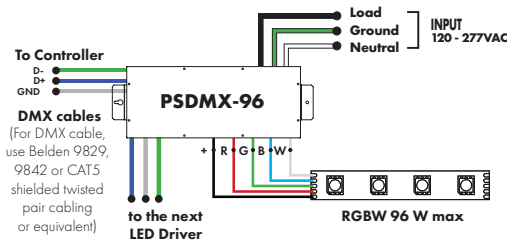
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX - DMX 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
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"

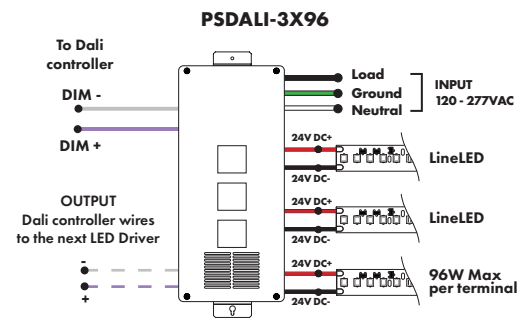
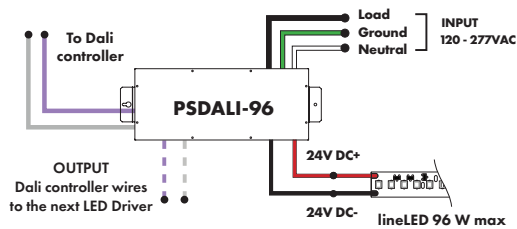


DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
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

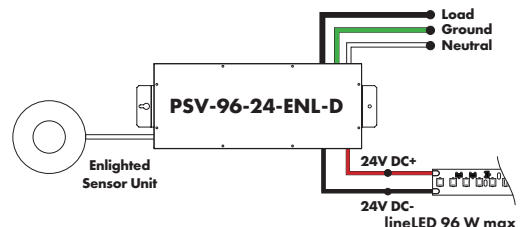
Model	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ENL - Enlighted Dimming dims down to 0%	D - Damp

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



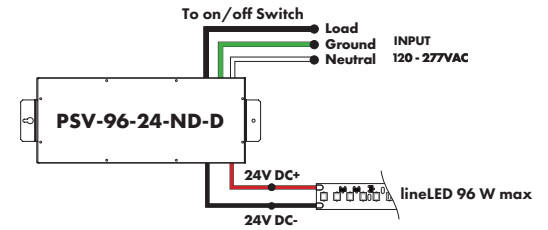
Power Supplies

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.

Non-Dimming Power Supply 120VAC - 277VAC

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

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



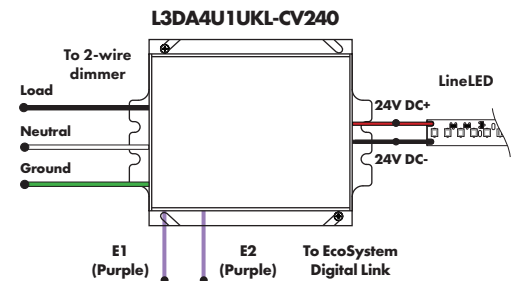
Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 1%

MODEL
L3DA4U1UKL-CV240

HiLume™ 1% EcoSystem Voltage LED driver
40W max

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



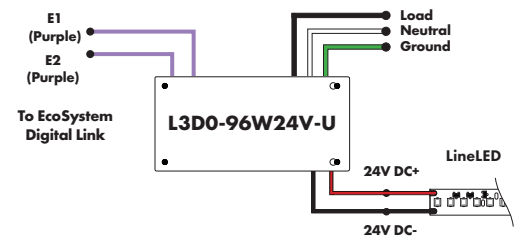
Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 0.1%

MODEL
L3D0-96W24V-U

HiLume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™
96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"



In-Ground Power Supplies

MODEL	POWER	OUTPUT	INPUT
IG - In ground CVE Series CVE - ELV Dimming DALI - eldoLED Dali dimming Both dims down to 0%	96X2 - 2 X 96 Watt	24 - 24 VDC	Blank - 120 V 277 - 240/277 V

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

