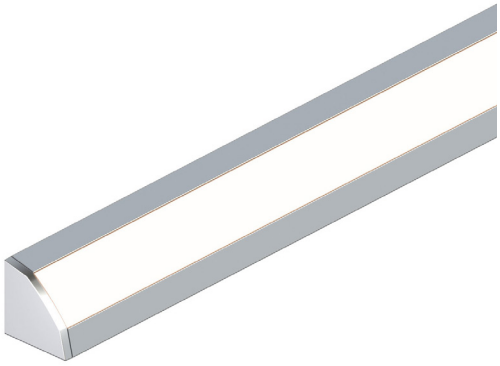
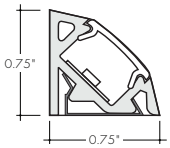


Features

- 24VDC Class 2 fixtures made to order up to 144".Fixtures can be linked up to 30' depending on output.
- Suitable for undercabinet, millwork recessed, and surface mount applications.
- Approved for closet/storage space installation per NEC 410.16(A)(3) and 410.16(C)(5)
- Class two listed for damp locations.
- Dot free even illumination with frosted lens
- 5 year warranty
- Warm Dim follows the incandescent dimming curve and is compatible with MLV, ELV, and Incandescent dimmers.
- Dynamic White allows individual control of CCT and output.
- RGB options offer balanced output across the color gamut and a true white with RGBW.
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors.



Finish Options

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

Technical Information

TYPE	Warm Dim	Dynamic White		RGBW		RGB	
OUTPUT OPTIONS	WD68SO (19K–27K)	DW52SO (19K–27K)	DW52SO (22K–30K)	RGBW36SO	RGBW36HO	RGB42SO	RGB42HO
Lumens Output (all channels full on) (with a Clear Lens)	285 lm/ft	170 lm/ft	215 lm/ft	173 lm/ft	287 lm/ft	172 lm/ft	253 lm/ft
Average Power Consumption (for a 4' section)	4.8 W/ft	4.3 W/ft	4.3 W/ft	4.0 W/ft	7.6 W/ft	4.5 W/ft	8.3 W/ft
Efficacy	59 lm/W	40 lm/W	50 lm/W	43 lm/W	38 lm/W	38 lm/W	30 lm/W
Max Run Length (in series)	10 ft	30 ft	30 ft	26 ft	13 ft	28 ft	13 ft
Control/Dimming Protocol	MLV, ELV, Inc.	0–10V, DMX		DMX			

Warm Dim (WD68)

CCT	TM-30 CRI	R_f	R_g	R_9
1900K	96	92	96	94
2400K	97	96	103	98
2700K	96	93	106	95

Dynamic White (DW52)

CCT	TM-30 CRI	R_f	R_g	R_9
1900K	97	93	96	94
2200K	98	96	103	97
2700K	97	95	104	99
3000K	97	95	104	99

RGBW (RGBW36)

CCT	TM-30 CRI	R_f	R_g	R_9
3000K	95	94	106	82

RGB/RGBW (RGB42/RGBW36)

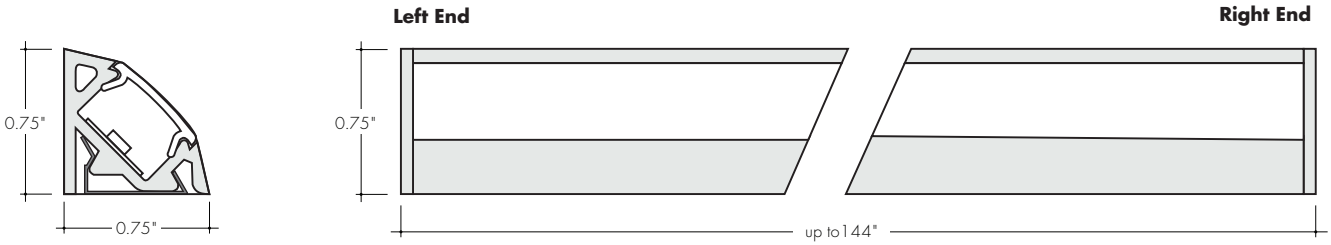
Color	Dominant Wavelength
Red	620nm
Green	525nm
Blue	467nm

Ordering Code

MODEL	LENGTH[1]	OUTPUT	CCT	LENS[2]	MOUNTING	FINISH[3]	POSITION TYPE	POWER FEED
K45M - Kendo 45 M	12"–120" 5" increments	WD68SO - Warm Dim Standard	19K27K - 1900K - 2700K	C - Clear Lens HF - Half-Frosted F - Frosted 13 - 13° Semi-Frosted	CB - Concealed Bracket	SA - Silver BK - Black BZ - Bronze WH - White	LE - Left End RE - Right End LB - Left Back RB Right Back	1 - 72" wire leads 1X2 - 72" wire leads at both ends
	12"–144" 3" increments	DW52SO - Dynamic White Standard	19K27K - 1900K - 2700K 22K30K - 2200K - 3000K					Power feed options available for WD68 Warm Dim only: 2 - 72" wire leads at one end and Female Quick connect at other 3 - Single Female Quick connect 4 - Dual Female Quick connect
	12"–144" 2" increments	RGBW36SO - RGBW Standard RGBW36HO - RGBW High RGB42SO - RGB Standard RGB42HO - RGB High	CLR - Color					

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.
2 - DW52SO option can be used to comply with Title 24 JA8 at 3000K depending on Lens selection, see multiplier charts to calculate specific efficacy.
3 - BK, BZ, and WH finishes may have extended lead times. Custom RALs are available, please consult Inside Sales for specific needs.

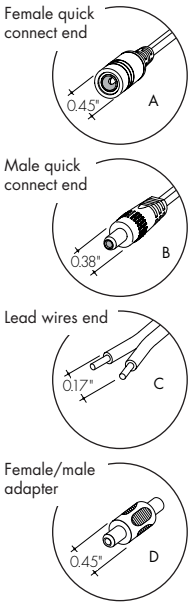
Product Dimensions



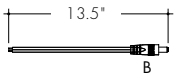
Front View (concealed mounting bracket on bottom)

Powerfeeds and Connectors **(Available for WD68 only)**

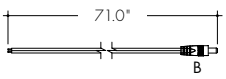
Linking and Extension Cable Options



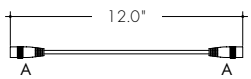
LMC
Male quick-connect



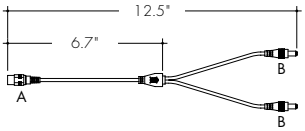
LMC-70
Male quick-connect long



EC-12
12' extension cable

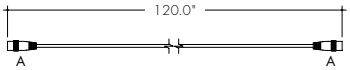


LYC
Y-splitter

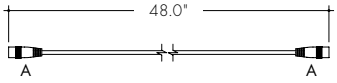


FMA
Female/male adaptor

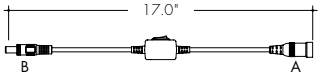
EC-120
120" extension cable



EC-48
48" extension cable

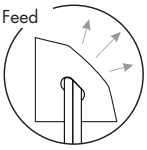


IS-DC
Inline DC switch

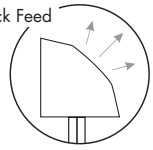


Powerfeeds Position/Type

E
End Feed

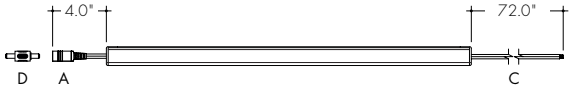


B
Back Feed



1
72" wire leads

2
72" wire leads at one end and Female Quick Connect at other **(Available for WD68 only)**



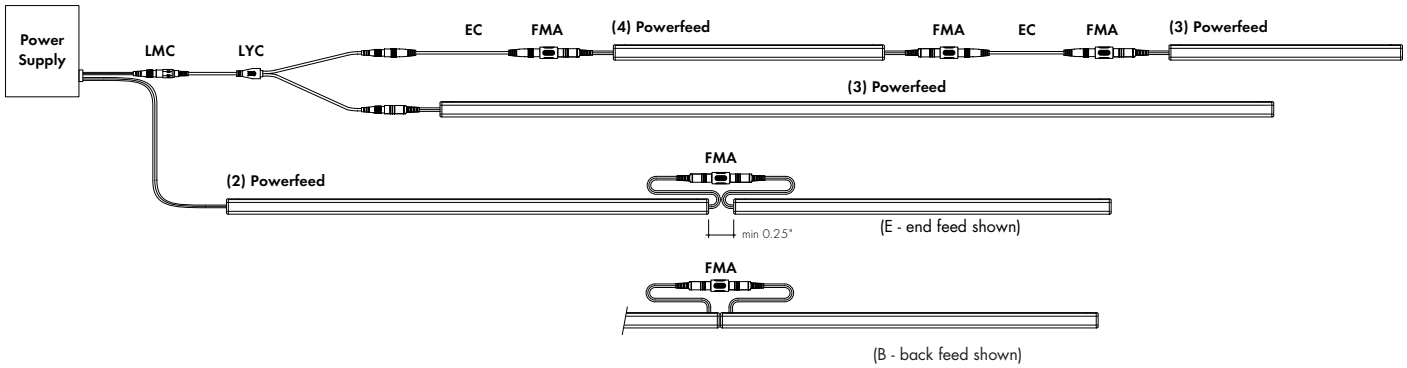
4*
Dual Female Quick Connect **(Available for WD68 only)**

1X2
72" wire leads at both end

3*
Single Female quick connect **(Available for WD68 only)**

*Powerfeed options 3 and 4 require LMC to connect to PSD series of power supplies.

Sample Layout



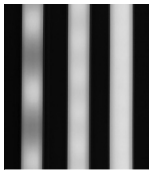
Lens Options / Light Transmission

Light Transmission

Lens/Accessory	Transmission Percentage
Clear Lens	100%
13° Semi - Frosted	94%
Half Frosted Lens	83%
Frosted Lens	55%

LED Dotting Per Output/Lens

Output Type	Lens Type			
	Clear	Half Frosted	Frosted	13° Semi - Frosted
DW52SO - 19K-27K	CD	CD	ND	CD
DW52SO - 22K-30K	CD	CD	ND	CD
WD68SO - 27K	CD	CD	ND	CD
WD68SO - 19K	CD	CD	SD	CD
RGBW36SO	CD	CD	SD	CD
RGBW36HO	CD	CD	SD	CD
RGB42SO	CD	CD	SD	CD
RGB42HO	CD	CD	SD	CD

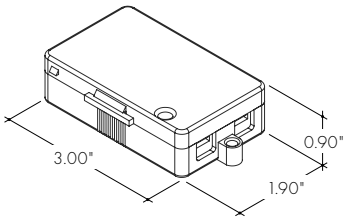


CD **SD** **ND**

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

Accessory Options

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



Power Consumption

Tested at full power with PSD Series power supplies.

*For Back Feed add 4/16" (1/4") to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

Warm Dim (WD68)

Nominal Length (in)	Side and End Feed Actual Length*	Watts SO	Nominal Length (in)	Side and End Feed Actual Length*	Watts SO	Nominal Length (in)	Side and End Feed Actual Length*	Watts SO	Nominal Length (in)	Side and End Feed Actual Length*	Watts SO
12	10 11/16	5.2	**47**	–	–	**82**	–	–	**117**	–	–
13	–	–	**48**	–	–	**83**	–	–	**118**	–	–
14	–	–	**49**	–	–	**84**	–	–	**119**	119	55.8
15	–	–	**50**	–	–	**85**	84 9/16	43.1	**120**	–	–
16	15 10/16	8.2	**51**	50 1/16	27.4	**86**	–	–			
17	–	–	**52**	–	–	**87**	–	–			
18	–	–	**53**	–	–	**88**	–	–			
19	–	–	**54**	–	–	**89**	–	–			
20	–	–	**55**	–	–	**90**	89 7/16	45.0			
21	20 9/16	11.0	**56**	55	29.6	**91**	–	–			
22	–	–	**57**	–	–	**92**	–	–			
23	–	–	**58**	–	–	**93**	–	–			
24	–	–	**59**	–	–	**94**	–	–			
25	–	–	**60**	59 15/16	32.1	**95**	94 6/16	47.0			
26	25 8/16	13.5	**61**	–	–	**96**	–	–			
27	–	–	**62**	–	–	**97**	–	–			
28	–	–	**63**	–	–	**98**	–	–			
29	–	–	**64**	–	–	**99**	–	–			
30	–	–	**65**	64 14/16	34.4	**100**	99 5/16	49.0			
31	30 6/16	16.3	**66**	–	–	**101**	–	–			
32	–	–	**67**	–	–	**102**	–	–			
33	–	–	**68**	–	–	**103**	–	–			
34	–	–	**69**	–	–	**104**	–	–			
35	–	–	**70**	69 12/16	36.6	**105**	104 4/16	51.0			
36	35 5/16	19.1	**71**	–	–	**106**	–	–			
37	–	–	**72**	–	–	**107**	–	–			
38	–	–	**73**	–	–	**108**	–	–			
39	–	–	**74**	–	–	**109**	–	–			
40	–	–	**75**	74 11/16	38.6	**110**	109 2/16	52.7			
41	40 4/16	21.8	**76**	–	–	**111**	–	–			
42	–	–	**77**	–	–	**112**	–	–			
43	–	–	**78**	–	–	**113**	–	–			
44	–	–	**79**	–	–	**114**	–	–			
45	–	–	**80**	79 10/16	40.8	**115**	114 1/16	54.1			
46	45 3/16	24.6	**81**	–	–	**116**	–	–			

Power Consumption

Tested at full power with PSD Series power supplies.

*For Back Feed add 4/16" (1/4") to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

Dynamic White (DW52)

Nominal Length (in)	Actual Length*	Watts SO	Nominal Length (in)	Actual Length*	Watts SO	Nominal Length (in)	Actual Length*	Watts SO	Nominal Length (in)	Actual Length*	Watts SO
12	9 5/16	4.7	**47**	–	–	**82**	–	–	**117**	116 3/16	37.9
13	12 2/16	4.7	**48**	–	–	**83**	82 7/16	28.3	**118**	–	–
14	–	–	**49**	48 11/16	17.4	**84**	–	–	**119**	119	39.0
15	14 15/16	5.4	**50**	–	–	**85**	–	–	**120**	–	–
16	–	–	**51**	–	–	**86**	85 4/16	29.1	**121**	–	–
17	–	–	**52**	51 8/16	18.3	**87**	–	–	**122**	121 13/16	40.0
18	17 12/16	6.4	**53**	–	–	**88**	–	–	**123**	–	–
19	–	–	**54**	–	–	**89**	88 1/16	29.8	**124**	–	–
20	–	–	**55**	54 5/16	18.9	**90**	–	–	**125**	124 10/16	40.8
21	20 9/16	7.4	**56**	–	–	**91**	90 14/16	30.6	**126**	–	–
22	–	–	**57**	–	–	**92**	–	–	**127**	–	–
23	–	–	**58**	57 2/16	19.8	**93**	–	–	**128**	127 7/16	41.6
24	23 6/16	8.4	**59**	–	–	**94**	93 11/16	31.4	**129**	–	–
25	–	–	**60**	59 15/16	20.7	**95**	–	–	**130**	–	–
26	–	–	**61**	–	–	**96**	–	–	**131**	130 4/16	42.1
27	26 3/16	9.1	**62**	–	–	**97**	96 8/16	32.1	**132**	–	–
28	–	–	**63**	62 12/16	21.6	**98**	–	–	**133**	–	–
29	29	10.1	**64**	–	–	**99**	–	–	**134**	133 1/16	42.8
30	–	–	**65**	–	–	**100**	99 5/16	32.9	**135**	–	–
31	–	–	**66**	65 9/16	22.4	**101**	–	–	**136**	135 14/16	43.7
32	31 13/16	11.0	**67**	–	–	**102**	–	–	**137**	–	–
33	–	–	**68**	–	–	**103**	102 2/16	33.5	**138**	–	–
34	–	–	**69**	68 6/16	23.3	**104**	–	–	**139**	138 11/16	44.5
35	34 10/16	12.0	**70**	–	–	**105**	104 15/16	34.3	**140**	–	–
36	–	–	**71**	–	–	**106**	–	–	**141**	–	–
37	–	–	**72**	71 3/16	23.9	**107**	–	–	**142**	141 8/16	45.3
38	37 7/16	13.1	**73**	–	–	**108**	107 12/16	35.1	**143**	–	–
39	–	–	**74**	74	24.9	**109**	–	–	**144**	–	–
40	–	–	**75**	–	–	**110**	–	–			
41	40 4/16	13.9	**76**	–	–	**111**	110 9/16	36.1			
42	–	–	**77**	76 13/16	26.0	**112**	–	–			
43	–	–	**78**	–	–	**113**	–	–			
44	43 1/16	15.0	**79**	–	–	**114**	113 6/16	37.2			
45	–	–	**80**	79 10/16	27.2	**115**	–	–			
46	45 14/16	16.2	**81**	–	–	**116**	–	–			

Power Consumption

Tested at full power with PSD Series power supplies.

*For Back Feed add 4/16" (1/4") to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

RGB/RGBW (RGB42/RGBW36)

Nominal Length (in)	Actual Length*	Watts				Nominal Length (in)	Actual Length*	Watts				Nominal Length (in)	Actual Length*	Watts				Nominal Length (in)	Actual Length*	Watts			
		RGBW36		RGB42				RGBW36		RGB42				RGBW36		RGB42				RGBW36		RGB42	
		SO	HO	SO	HO			SO	HO	SO	HO			SO	HO	SO	HO			SO	HO	SO	HO
12	10 11/16	4.0	7.3	4.4	8.6	**47**	46 2/16	14.4	27.5	16.8	31.3	**82**	81 9/16	26.1	49.6	29.4	53.8	**117**	–	–	–	–	–
13	12 11/16	4.0	7.3	4.4	8.6	**48**	–	–	–	–	–	**83**	–	–	–	–	–	**118**	117	37.1	66.2	41.3	73.1
14	–	–	–	–	–	**49**	48 2/16	15.1	28.8	17.5	32.7	**84**	83 9/16	26.8	50.8	30.0	55.0	**119**	119	37.8	67.5	41.9	74.0
15	14 10/16	4.5	8.5	5.2	10.0	**50**	–	–	–	–	–	**85**	–	–	–	–	–	**120**	–	–	–	–	–
16	–	–	–	–	–	**51**	50 1/16	15.8	30.0	18.3	34.0	**86**	85 8/16	27.4	51.9	30.7	56.2	**121**	120 15/16	38.6	68.7	42.6	74.9
17	16 10/16	5.1	9.7	5.9	11.3	**52**	–	–	–	–	–	**87**	–	–	–	–	–	**122**	–	–	–	–	–
18	–	–	–	–	–	**53**	52 1/16	16.4	31.2	18.9	35.1	**88**	87 8/16	28.0	52.9	31.4	57.3	**123**	122 15/16	39.2	69.7	43.2	75.3
19	18 9/16	5.6	10.9	6.7	12.6	**54**	–	–	–	–	–	**89**	–	–	–	–	–	**124**	–	–	–	–	–
20	–	–	–	–	–	**55**	54	17.0	32.4	19.6	36.3	**90**	89 7/16	28.6	53.8	32.2	58.4	**125**	124 14/16	39.7	70.7	43.8	75.7
21	20 9/16	6.2	12.1	7.4	13.9	**56**	56	17.6	33.5	20.3	37.5	**91**	–	–	–	–	–	**126**	–	–	–	–	–
22	–	–	–	–	–	**57**	–	–	–	–	–	**92**	91 7/16	29.2	54.8	32.9	59.5	**127**	126 14/16	40.3	71.7	44.4	76.1
23	22 8/16	6.7	13.3	8.2	15.2	**58**	57 15/16	18.2	34.7	21.0	38.7	**93**	–	–	–	–	–	**128**	–	–	–	–	–
24	–	–	–	–	–	**59**	–	–	–	–	–	**94**	93 6/16	29.9	55.8	33.6	60.5	**129**	128 13/16	40.8	72.8	45.0	76.6
25	24 8/16	7.3	14.5	8.9	16.6	**60**	59 15/16	18.9	35.9	21.7	39.8	**95**	–	–	–	–	–	**130**	–	–	–	–	–
26	–	–	–	–	–	**61**	–	–	–	–	–	**96**	95 6/16	30.2	56.3	34.0	61.1	**131**	130 13/16	41.4	73.8	45.6	77.0
27	26 7/16	8.0	15.7	9.6	18.0	**62**	61 14/16	19.5	37.1	22.4	41.1	**97**	–	–	–	–	–	**132**	–	–	–	–	–
28	–	–	–	–	–	**63**	–	–	–	–	–	**98**	97 5/16	30.8	57.2	34.7	62.2	**133**	132 12/16	41.9	74.8	46.3	77.4
29	28 7/16	8.6	17.0	10.4	19.4	**64**	63 14/16	20.2	38.4	23.2	42.4	**99**	–	–	–	–	–	**134**	–	–	–	–	–
30	–	–	–	–	–	**65**	–	–	–	–	–	**100**	99 5/16	31.3	57.9	35.4	63.4	**135**	134 12/16	42.5	75.5	46.8	78.1
31	30 6/16	9.3	18.2	11.1	20.7	**66**	65 13/16	20.8	39.7	24.0	43.7	**101**	–	–	–	–	–	**136**	–	–	–	–	–
32	–	–	–	–	–	**67**	–	–	–	–	–	**102**	101 4/16	31.9	58.6	36.0	64.7	**137**	136 11/16	43.1	76.3	47.3	78.8
33	32 6/16	9.7	18.8	11.5	21.4	**68**	67 13/16	21.5	41.0	24.7	45.1	**103**	–	–	–	–	–	**138**	–	–	–	–	–
34	–	–	–	–	–	**69**	–	–	–	–	–	**104**	103 4/16	32.4	59.3	36.7	65.9	**139**	138 11/16	43.7	77.0	47.8	79.6
35	34 5/16	10.3	20.0	12.2	22.8	**70**	69 12/16	22.1	42.3	25.5	46.4	**105**	–	–	–	–	–	**140**	–	–	–	–	–
36	–	–	–	–	–	**71**	–	–	–	–	–	**106**	105 3/16	32.9	60.0	37.3	67.2	**141**	140 10/16	44.3	77.7	48.3	80.3
37	36 5/16	11.0	21.3	13.0	24.2	**72**	71 12/16	22.8	43.5	26.3	47.8	**107**	–	–	–	–	–	**142**	–	–	–	–	–
38	–	–	–	–	–	**73**	–	–	–	–	–	**108**	107 3/16	33.5	60.7	38.0	68.4	**143**	142 10/16	44.9	78.5	48.8	81.0
39	38 4/16	11.7	22.5	13.7	25.6	**74**	73 11/16	23.5	44.8	26.9	49.0	**109**	–	–	–	–	–	**144**	–	–	–	–	–
40	–	–	–	–	–	**75**	–	–	–	–	–	**110**	109 2/16	34.0	61.4	38.6	69.7						
41	40 4/16	12.4	23.8	14.5	27.0	**76**	75 11/16	24.1	46.0	27.6	50.2	**111**	–	–	–	–	–						
42	–	–	–	–	–	**77**	–	–	–	–	–	**112**	111 2/16	34.8	62.6	39.3	70.5						
43	42 3/16	13.1	25.0	15.2	28.5	**78**	77 10/16	24.8	47.2	28.2	51.4	**113**	–	–	–	–	–						
44	–	–	–	–	–	**79**	–	–	–	–	–	**114**	113 1/16	35.6	63.8	39.9	71.4						
45	44 3/16	13.8	26.3	16.0	29.9	**80**	79 10/16	25.4	48.4	28.8	52.6	**115**	–	–	–	–	–						
46	–	–	–	–	–	**81**	–	–	–	–	–	**116**	115 1/16	36.3	65.0	40.6	72.3						

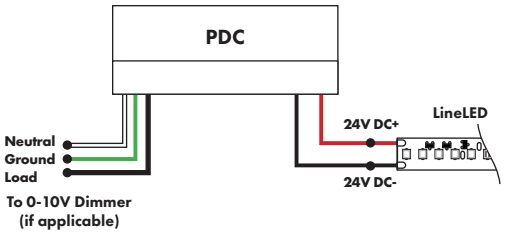
Power Supplies

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

Triac, MLV, ELV, & PWM 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"

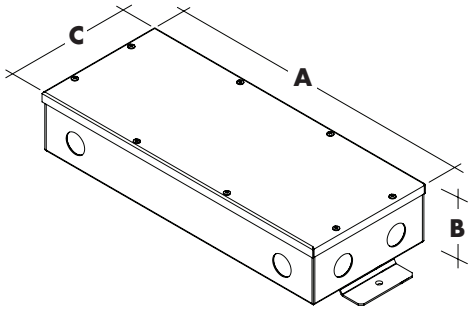


0-10V Warm Dimming 0% Power Supply 120VAC - 277VAC

(for warm dimming of DW52 Dynamic White option)

MODEL	POWER	OUTPUT
PS010WD - 0-10 Warm dim LED Power Supply	96 - 96 Watt	24 - 24 VDC

Requires a 0-10V controller to work properly



MODELS	PS010TW
A Length	14.40"
B Width	2.60"
C Depth	5.20"

0-10V Tunable White 0% Dimming Power Supply 120VAC - 277VAC

(for tunable white control of DW52 Dynamic White option)

MODEL	POWER	OUTPUT
PS010TW - 0-10 Tunable White LED Driver	96 - 96 Watt	24 - 24 VDC

Requires two 0-10V controllers to work properly

Customizable Dim to Warm or Variable White via 0 - 10V

(for tunable white or warm dimming control of DW52 Dynamic option)

MODEL	POWER	OUTPUT	CONTROL
PS010V - 0-10 LED Driver	96 - 96 Watt	24 - 24 VDC	WW - Standard One Channel - Dim To Warm Curve W2C - Standard Two Channel - Dim 1: Intensity; Dim 2: CCT W21 - Standard Two Channel - Dim 1: Warm Channel Intensity; Dim 2: Cool Channel Intensity W1X - ____Custom One Channel - Dim To Warm Curve W2X - ____Custom two Channel - Dim 1: Intensity; Dim 2: CCT

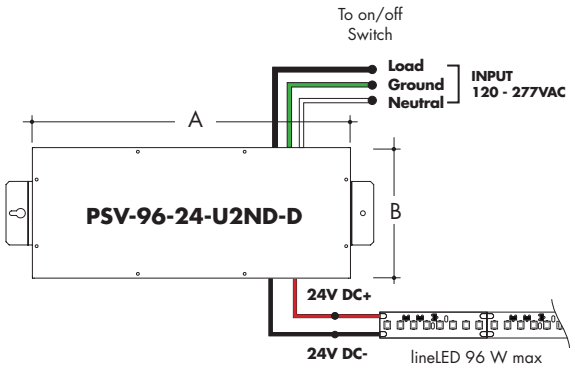
Requires a 0-10V controller to work properly

Non-Dimming Power Supply 120VAC - 277VAC

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

Requires a controller and a decoder to work properly

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



Power Supplies

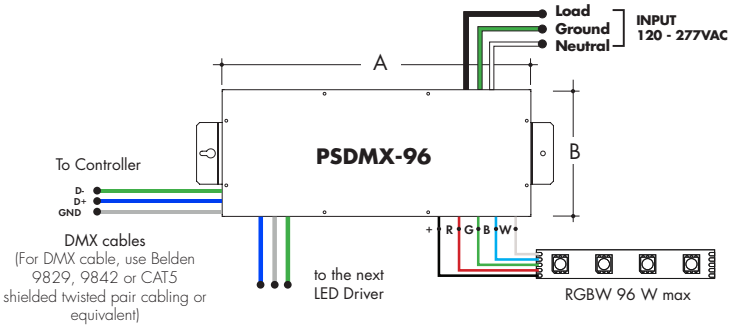
See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

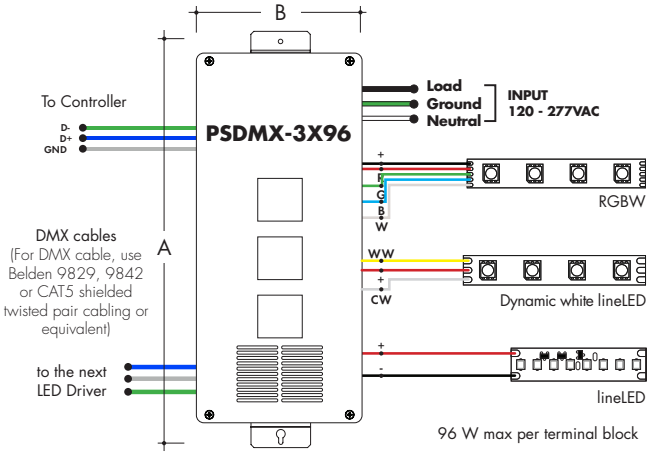
DMX 0% Dimming Power Supplies 120VAC - 277VAC

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.
DDMX-RGBW DMX Decoder not required when purchasing this power supply.

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





DMX-1Z-RGBW, DMX-3Z-RGBW

RGBW LED 1 or 3 Zone Controller

ORDERING CODE

MODEL	ZONES	COLOR
DMX - DMX Controller	3Z - Three Zone 1Z - One Zone	RGBW - Red, Green, Blue, & White

DMX /Wireless RGB-W wall-mount controller controls DMX lighting fixtures, wireless control of RGB-W lighting fixture or use both simultaneously. Fits in any standard US switch box. Includes all the outputs in the back of the controller.

Control brightness levels with a single touch, personalize and memorize 3 different scenes, and even create 3 variations of white.

Features

- 2 in 1 in-Wall Controller: DMX Control or Wireless RGB-W
- 65,000 Color Options, Dimming and Speed Control
- Memory Function
- 50 Foot Wireless Range
- Easily Fits Standard US Switch Boxes
- Touch Sensitive Glass Surface
- Includes 10 Built in Programs, or Create and Play Your Own

Operating Voltage

12 - 24V DC

Color Parameters

- Brightness
- Saturation
- Primary colors
- Fading
- Color changing speed

Touch DMX Controller

Touchscreen digital LED controller

ORDERING CODE

MODEL

TSDMX-E

TSDMX-E - Touchscreen DMX controller

Programmable advanced DMX512 lighting controller featuring a touch-screen interface. Operates as stand alone controller or integrated with most architectural lighting control systems. Can controller endless DMX512 enabled devices.

Mounts to standard single or dual gang wall box with the included power supply inside the junction box. Terminal block design for power and data connections.

Features

- Sleek glass design which sits 0.43" from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control

Power Supply

7 VDC (included)

Programmability

PC, Mac, Tablet, Smartphone

Output Signal

DMX512 (1024 channels)

Color Parameters

- Brightness
- Saturation
- Speed of color changing sequence
- Fading / dimming / brightness

DMX Decoder

DMX signal to RGBW decoder (required to operate DMX controller)

ORDERING CODE

MODEL

DDMX-RGBW

DDMX-RGBW - DMX decoder

Translates controller DMX512 programs for RGB and white LED strips.

Unique DMX address for the decoder can be set easily and displayed by the numeric display on the case. Changing and resetting the DMX address requires manual input.

Use power repeater to expand output.

Operating Voltage

12-36 VDC

Power Capacity

up to 96W at 24V

Operating Temperature Range

from -4°F to +122°F in case