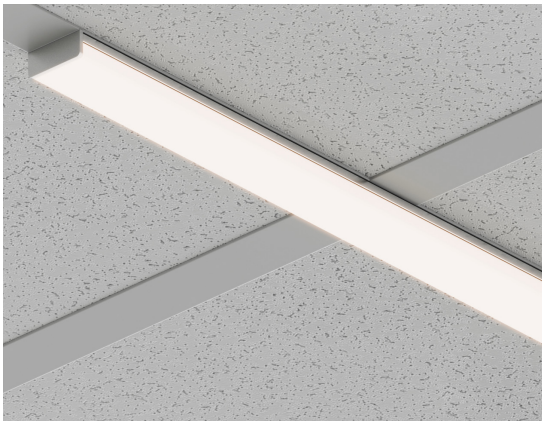
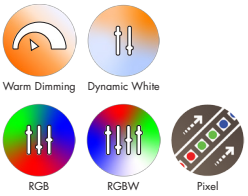
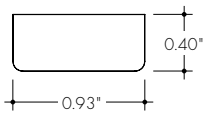


Features

- 24VDC Class 2 fixtures made to order up to 144".Fixtures can be linked up to 30' depending on output
- Suitable for undercabinet, surface mount, and direct view 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
- Dynamic White allows individual control of CCT and output
- Warm Dim follows the incandescent dimming curve and is compatible with MLV, ELV, and Incandescent dimmers.
- RGB options offer balanced output across the color gamut and a true white with RGBW
- Smart Pixel offerings allow for infinite color combinations with cascading and chasing effects.
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors.
- 5 year warranty





Finish Options (see page 2 for additional information)

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

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

Technical Information

TYPE	Warm Dim	Dynamic White		RGBW		RGB		Pixel	
OUTPUT OPTIONS	**WD68SO (19K–27K)**	**DW68SO (27K–65K)**	**DW68HO (27K–65K)**	**RGBW36SO**	**RGBW36HO**	**RGB42SO**	**RGB42HO**	**RGBWX18SO**	**RGBX18SO**
Lumens Output (all channels full on) (with a Frosted Lens)	203 lm/ft	246 lm/ft	296 lm/ft	124 lm/ft	205 lm/ft	122 lm/ft	180 lm/ft	149 lm/ft	99 lm/ft
Average Power Consumption (for a 4' section)	5.4 W/ft	4.6 W/ft	5.6 W/ft	4 W/ft	7.6 W/ft	4.5 W/ft	8.3 W/ft	5.7 W/ft	4.5 W/ft
Efficacy	38 lm/W	53 lm/W	53 lm/W	31 lm/W	27 lm/W	27 lm/W	22 lm/W	26 lm/W	22 lm/W
Max Run Length (in series)	20 ft	32 ft	32 ft	26 ft	13 ft	28 ft	13 ft	20 ft	30 ft
Max Ambient Temperature*	50°C [122°F]	50°C [122°F]		50°C [122°F]	40°C [104°F]	50°C [122°F]	40°C [104°F]	50°C [122°F]	
Control/Dimming Protocol	MLV, ELV, Inc.	0–10V, DMX		DMX				SPI Protocol UCS 2904	SPI Protocol UCS 2903

*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.

Warm Dim (WD68)

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

Dynamic White (DW68)

CCT	TM-30 CRI	TM-30 R_f	TM-30 R_g	TM-30 R_9
1900K	97	94	98	95
2700K	98	96	101	91
2900K	98	96	102	94
3500K	97	94	105	97
4400K	97	91	101	97
6500K	92	88	97	64

RGBW (3000K)

Tape	TM-30 CRI	TM-30 R_f	TM-30 R_g	TM-30 R_9
RGBW36	95	93	106	84
RGBWX18	93	91	99	64

DW68

CCT	Multiplier
27K - 65K	1.00
19K - 35K	0.78

Dominant Wavelength

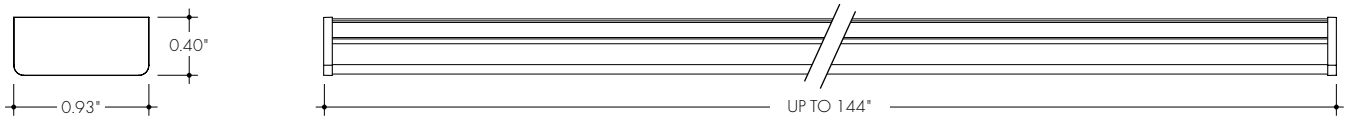
Color	RGB42/ RGBW36
Red	620nm
Green	525nm
Blue	467nm

Ordering Code

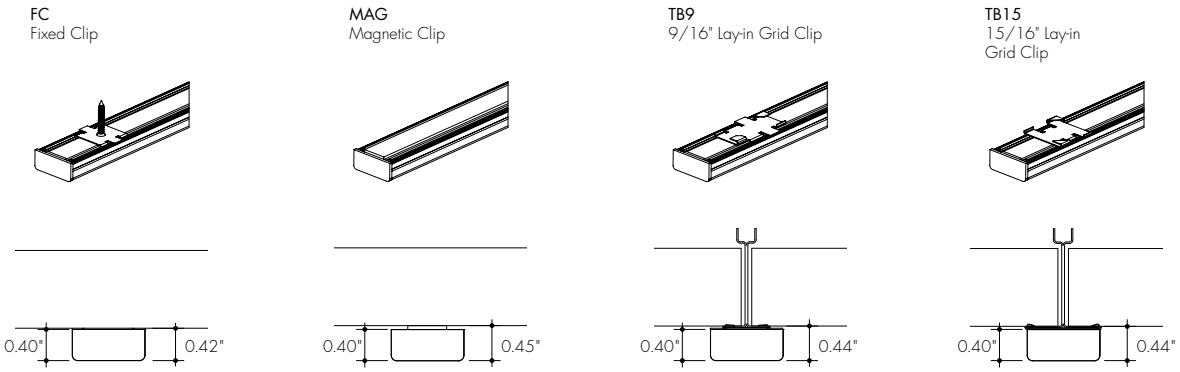
MODEL	LENGTH[1]	OUTPUT	CCT	LENS	MOUNTING	FINISH[2]	POSITION TYPE	POWER FEED
Bar - Bara	12"–120" 5" increments	WD68SO - Standard	19K27K - 1900K - 2700K	F - Frosted	FC - Fixed Clip TB9 - 9/16" Lay-in Grid TB15 - 15/16" Lay-in Grid MAG - Magnetic	SA - Silver Anodized BK - Black BZ - Bronze WH - White MBK - Matte Black WN - Warm Nickel AB - Aged Brass PG - Polished Gold[4] CH - Chrome[4]	E - End B - Back	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 P1 - Plenum rated (72" wire leads) P1X2 - Plenum rated (72" wire leads at both ends)
	12"–144" 2" increments	DW68SO - Standard DW68HO - High	19K35K - 1900K - 3500K 27K65K - 2700K - 6500K					
	12"–144" 2" increments	RGBW36SO - Standard RGBW36HO - High RGB42SO - Standard RGB42HO - High	CLR - Color					
	12"–144" 4" increments	RGBWX18SO - Standard RGBX18SO - Standard	PXSPI - Smart Pixel Control					

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.
2 - Warm Dim and Dynamic White options can be used to comply with Title 24 JA8 at max brightness depending on Lens selection, see multiplier charts to calculate specific efficacy.
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



Mounting Clip Details



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.

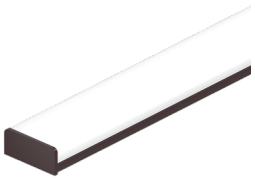
Silver Anodized

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.

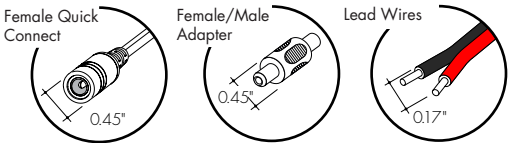
Chrome

Chrome is a highly reflective silver polish.

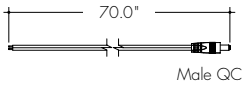
Powerfeeds and Connectors

Linking and Extension Cable Options

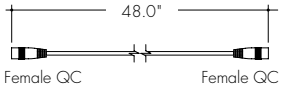
For use with Warm Dim (WD68):



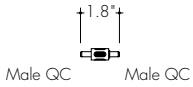
LMC-70
Male quick-connect long, 2 pin, 70"



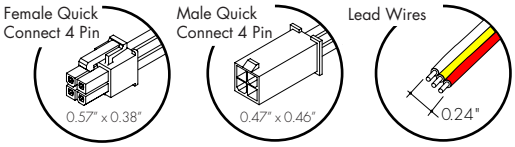
EC-48
Female/Female Extension Cable, 2 pin, 48"



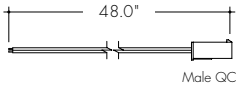
FMA
Female to male adapter



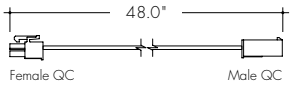
For use with Dynamic White (DW68), RGB Pixel (RGBX18) and RGBW Pixel (RGBWX18):



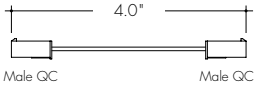
MOLEX-CON-LEAD-M-3-48
Molex Male Connector Cable, 3 pin, 48"



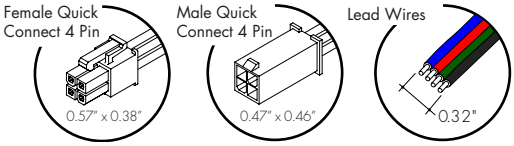
MOLEX-JC-F-M-3-48
Female/Male Jumper Cable, 3 pin, 48"



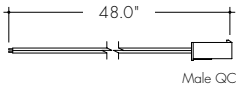
MOLEX-JC-M-M-3-4
Female to Male Adapter, 3 pin, 4"



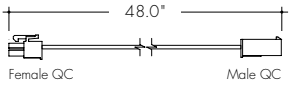
For use with RGB (RGB42):



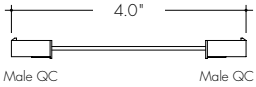
MOLEX-CON-LEAD-M-4-48
Molex Male Connector Cable, 4 pin, 48"



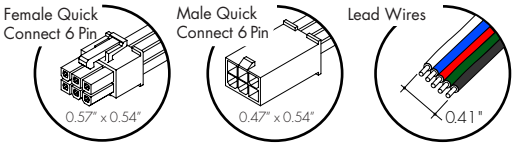
MOLEX-JC-F-M-4-48
Female/Male Jumper Cable, 4 pin, 48"



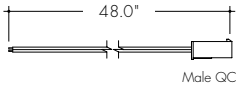
MOLEX-JC-M-M-4-4
Female to Male Adapter, 4 pin, 4"



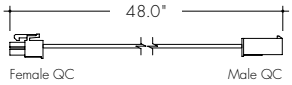
For use with RGBW (RGBW36):



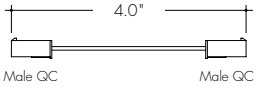
MOLEX-CON-LEAD-M-5-48
Molex Male Connector Cable, 5 pin, 48"



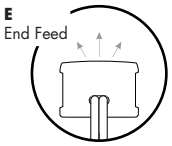
MOLEX-JC-F-M-5-48
Female/Male Jumper Cable, 5 pin, 48"



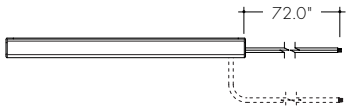
MOLEX-JC-M-M-5-4
Female to Male Adapter, 5 pin, 4"



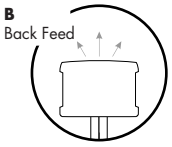
Powerfeeds Position/Type



1 / P1
72" wire leads / Plenum rated (72" wire leads)

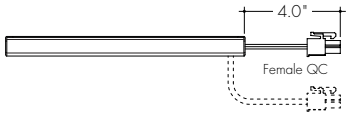


1X2 / P1X2
72" wire leads at both ends / Plenum rated (72" wire leads at both ends)

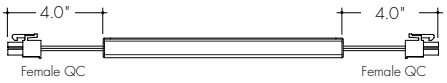


2
72" wire leads at one end and Female Quick Connect at other

3
Single Female Quick Connect

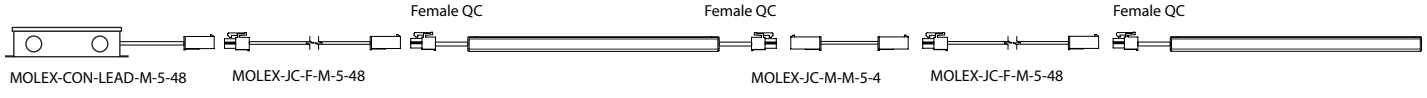


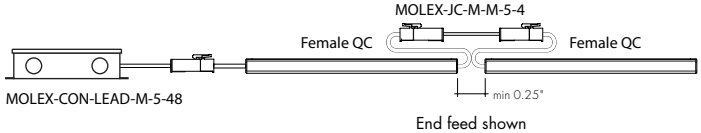
4
Dual Female Quick Connect



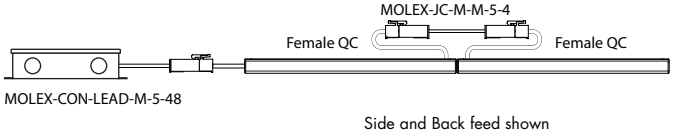
Side and Back feeds shown as dashed lines
All wires are 18 AWG unless otherwise specified

Sample Layout





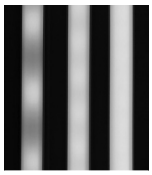
End feed shown



Side and Back feed shown

Lens Option / Light Transmission

	Lens/Accessory
Output Options	**Frosted Lens**
WD68SO - 27K	ND
WD68SO - 19K	CD
DW68SO (All On)	ND
DW68SO (1-Channel)	CD
DW68HO (All On)	ND
DW68HO (1-Channel)	CD
RGBW36SO	CD
RGBW36HO	CD
RGB42SO	CD
RGB42HO	CD
RGBWX18SO	CD
RGBX18SO	CD
Transmission Percentage	100%

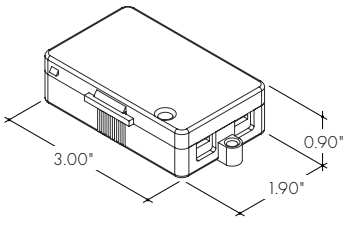


CD **SD** **ND**

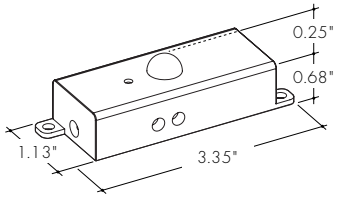
CD - Clear Dotting
SD - Slight Dotting
ND - No Dotting

Accessory Options

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

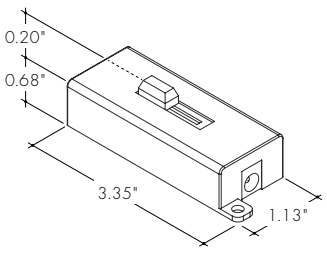


OS-DC-F4-BK
Occupancy Sensor



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.

Power Consumption

Tested at Full Power with PDC 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)	End Feed Actual Length*	Watts SO	Nominal Length (in)	End Feed Actual Length*	Watts SO	Nominal Length (in)	End Feed Actual Length*	Watts SO	Nominal Length (in)	End Feed Actual Length*	Watts SO
12	10 12/16	4.6	**47**	–	–	**82**	–	–	**117**	116 9/16	47.5
13	–	–	**48**	47 10/16	21.0	**83**	82 1/16	34.8	**118**	–	–
14	13 3/16	5.8	**49**	–	–	**84**	–	–	**119**	–	–
15	–	–	**50**	–	–	**85**	84 9/16	35.7	**120**	119	48.3
16	15 10/16	6.9	**51**	50 2/16	22.0	**86**	–	–	**121**	–	–
17	–	–	**52**	–	–	**87**	–	–	**122**	121 7/16	49.1
18	–	–	**53**	52 9/16	23.0	**88**	87	36.7	**123**	–	–
19	18 2/16	8.0	**54**	–	–	**89**	–	–	**124**	123 15/16	49.9
20	–	–	**55**	–	–	**90**	89 8/16	37.6	**125**	–	–
21	20 9/16	9.1	**56**	55	24.1	**91**	–	–	**126**	–	–
22	–	–	**57**	–	–	**92**	91 15/16	38.6	**127**	126 6/16	50.6
23	–	–	**58**	57 8/16	25.1	**93**	–	–	**128**	–	–
24	23 1/16	10.2	**59**	–	–	**94**	–	–	**129**	128 13/16	51.5
25	–	–	**60**	59 15/16	26.1	**95**	94 6/16	39.6	**130**	–	–
26	25 8/16	11.3	**61**	–	–	**96**	–	–	**131**	–	–
27	–	–	**62**	–	–	**97**	96 14/16	40.5	**132**	131 5/16	52.5
28	27 15/16	12.3	**63**	62 6/16	27.1	**98**	–	–	**133**	–	–
29	–	–	**64**	–	–	**99**	–	–	**134**	133 12/16	53.3
30	–	–	**65**	64 14/16	28.0	**100**	99 5/16	41.4	**135**	–	–
31	30 7/16	13.4	**66**	–	–	**101**	–	–	**136**	–	–
32	–	–	**67**	–	–	**102**	101 12/16	42.2	**137**	136 4/16	54.2
33	32 14/16	14.5	**68**	67 5/16	29.0	**103**	–	–	**138**	–	–
34	–	–	**69**	–	–	**104**	–	–	**139**	138 11/16	54.8
35	–	–	**70**	69 13/16	30.0	**105**	104 4/16	43.0	**140**	–	–
36	35 5/16	15.6	**71**	–	–	**106**	–	–	**141**	–	–
37	–	–	**72**	–	–	**107**	106 11/16	43.9	**142**	141 2/16	55.4
38	37 13/16	16.7	**73**	72 4/16	30.9	**108**	–	–	**143**	–	–
39	–	–	**74**	–	–	**109**	–	–	**144**	143 10/16	56.2
40	–	–	**75**	74 11/16	32.0	**110**	109 3/16	44.8			
41	40 4/16	17.8	**76**	–	–	**111**	–	–			
42	–	–	**77**	–	–	**112**	111 10/16	45.8			
43	42 12/16	18.9	**78**	77 3/16	33.1	**113**	–	–			
44	–	–	**79**	–	–	**114**	–	–			
45	–	–	**80**	79 10/16	33.9	**115**	114 1/16	46.6			
46	45 3/16	20.0	**81**	–	–	**116**	–	–			

Power Consumption

Tested at Full Power with PDC 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 (DW68)

Nominal Length (in)	End Feed Actual Length*	Watts		Nominal Length (in)	End Feed Actual Length*	Watts		Nominal Length (in)	End Feed Actual Length*	Watts		Nominal Length (in)	End Feed Actual Length*	Watts	
		SO	HO			SO	HO			SO	HO			SO	HO
12	10 12/16	4.6	5.9	**47**	–	–	–	**82**	–	–	–	**117**	116 9/16	41.5	50.8
13	–	–	–	**48**	47 10/16	18.3	23.1	**83**	82 1/16	29.9	37.3	**118**	–	–	–
14	13 3/16	4.6	5.9	**49**	–	–	–	**84**	–	–	–	**119**	119	41.9	51.5
15	–	–	–	**50**	–	–	–	**85**	84 9/16	30.5	38.5	**120**	–	–	–
16	15 10/16	5.9	7.4	**51**	50 2/16	19.0	24.0	**86**	–	–	–	**121**	–	–	–
17	–	–	–	**52**	–	–	–	**87**	–	–	–	**122**	121 7/16	42.7	52.5
18	–	–	–	**53**	52 9/16	20.0	25.4	**88**	87	31.4	39.5	**123**	–	–	–
19	18 2/16	6.7	8.4	**54**	–	–	–	**89**	–	–	–	**124**	123 15/16	43.3	53.0
20	–	–	–	**55**	–	–	–	**90**	89 8/16	32.7	40.9	**125**	–	–	–
21	20 9/16	7.9	9.8	**56**	55	20.7	26.3	**91**	–	–	–	**126**	–	–	–
22	–	–	–	**57**	–	–	–	**92**	91 15/16	33.6	41.8	**127**	126 6/16	44.0	53.5
23	–	–	–	**58**	57 8/16	21.8	27.7	**93**	–	–	–	**128**	–	–	–
24	23 1/16	8.7	10.8	**59**	–	–	–	**94**	–	–	–	**129**	128 13/16	45.0	54.3
25	–	–	–	**60**	59 15/16	22.5	28.6	**95**	94 6/16	34.9	43.3	**130**	–	–	–
26	25 8/16	9.8	12.3	**61**	–	–	–	**96**	–	–	–	**131**	–	–	–
27	–	–	–	**62**	–	–	–	**97**	96 14/16	35.8	44.2	**132**	131 5/16	45.6	54.8
28	27 15/16	10.6	13.3	**63**	62 6/16	23.7	29.8	**98**	–	–	–	**133**	–	–	–
29	–	–	–	**64**	–	–	–	**99**	–	–	–	**134**	133 12/16	46.5	55.7
30	–	–	–	**65**	64 14/16	24.6	30.6	**100**	99 5/16	36.4	44.8	**135**	–	–	–
31	30 7/16	11.8	14.8	**66**	–	–	–	**101**	–	–	–	**136**	–	–	–
32	–	–	–	**67**	–	–	–	**102**	101 12/16	37.4	45.7	**137**	136 4/16	46.8	56.3
33	32 14/16	12.6	15.8	**68**	67 5/16	25.4	31.3	**103**	–	–	–	**138**	–	–	–
34	–	–	–	**69**	–	–	–	**104**	–	–	–	**139**	138 11/16	47.3	57.4
35	–	–	–	**70**	69 13/16	26.7	32.4	**105**	104 4/16	38.0	46.3	**140**	–	–	–
36	35 5/16	13.4	16.8	**71**	–	–	–	**106**	–	–	–	**141**	–	–	–
37	–	–	–	**72**	–	–	–	**107**	106 11/16	39.0	47.2	**142**	141 2/16	47.6	58.1
38	37 13/16	14.5	18.3	**73**	72 4/16	27.6	33.1	**108**	–	–	–	**143**	–	–	–
39	–	–	–	**74**	–	–	–	**109**	–	–	–	**144**	143 10/16	48.1	59.1
40	–	–	–	**75**	74 11/16	28.4	34.3	**110**	109 3/16	39.7	47.8				
41	40 4/16	15.3	19.3	**76**	–	–	–	**111**	–	–	–				
42	–	–	–	**77**	–	–	–	**112**	111 10/16	40.3	48.9				
43	42 12/16	16.4	20.7	**78**	77 3/16	28.9	35.2	**113**	–	–	–				
44	–	–	–	**79**	–	–	–	**114**	–	–	–				
45	–	–	–	**80**	79 10/16	29.5	36.4	**115**	114 1/16	40.8	49.7				
46	45 3/16	17.2	21.7	**81**	–	–	–	**116**	–	–	–				

Power Consumption

Tested at Full Power with PDC 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)	End Feed Actual Length*	Watts				Nominal Length (in)	End Feed Actual Length*	Watts				Nominal Length (in)	End Feed Actual Length*	Watts				Nominal Length (in)	End Feed 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 12/16	4.0	7.3	4.4	8.6	**47**	46 3/16	14.4	27.5	16.8	31.3	**82**	81 10/16	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 1/16	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**	–	–	–	–	–
15	14 11/16	4.5	8.5	5.2	10.0	**50**	–	–	–	–	–	**85**	–	–	–	–	–	**120**	119	37.8	67.5	41.9	74.0
16	–	–	–	–	–	**51**	50 2/16	15.8	30.0	18.3	34.0	**86**	85 9/16	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 10/16	5.6	10.9	6.7	12.6	**54**	–	–	–	–	–	**89**	–	–	–	–	–	**124**	–	–	–	–	–
20	–	–	–	–	–	**55**	54 1/16	17.0	32.4	19.6	36.3	**90**	89 8/16	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**	–	–	–	–	–	**91**	–	–	–	–	–	**126**	–	–	–	–	–
22	–	–	–	–	–	**57**	56	17.6	33.5	20.3	37.5	**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 9/16	6.7	13.3	8.2	15.2	**58**	58	18.2	34.7	21.0	38.7	**93**	–	–	–	–	–	**128**	–	–	–	–	–
24	–	–	–	–	–	**59**	–	–	–	–	–	**94**	93 7/16	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 8/16	8.0	15.7	9.6	18.0	**62**	61 15/16	19.5	37.1	22.4	41.1	**97**	–	–	–	–	–	**132**	–	–	–	–	–
28	–	–	–	–	–	**63**	–	–	–	–	–	**98**	97 6/16	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 7/16	9.3	18.2	11.1	20.7	**66**	65 14/16	20.8	39.7	24.0	43.7	**101**	–	–	–	–	–	**136**	–	–	–	–	–
32	–	–	–	–	–	**67**	–	–	–	–	–	**102**	101 5/16	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 6/16	10.3	20.0	12.2	22.8	**70**	69 13/16	22.1	42.3	25.5	46.4	**105**	–	–	–	–	–	**140**	–	–	–	–	–
36	–	–	–	–	–	**71**	–	–	–	–	–	**106**	105 4/16	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 5/16	11.7	22.5	13.7	25.6	**74**	73 12/16	23.5	44.8	26.9	49.0	**109**	–	–	–	–	–	**144**	–	–	–	–	–
40	–	–	–	–	–	**75**	–	–	–	–	–	**110**	109 3/16	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 4/16	13.1	25.0	15.2	28.5	**78**	77 11/16	24.8	47.2	28.2	51.4	**113**	–	–	–	–	–						
44	–	–	–	–	–	**79**	–	–	–	–	–	**114**	113 2/16	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 Consumption

Tested at Full Power with PDC 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.

PIXEL (RGBX18/RGBWX18)

Nominal Length (in)	End Feed Actual Length*	Watts		Nominal Length (in)	End Feed Actual Length*	Watts		Nominal Length (in)	End Feed Actual Length*	Watts		Nominal Length (in)	End Feed Actual Length*	Watts	
		RGBX18 SO	RGBWX18 SO			RGBX18 SO	RGBWX18 SO			RGBX18 SO	RGBWX18 SO			RGBX18 SO	RGBWX18 SO
12	8 12/16	4.6	5.7	**47**	–	–	–	**82**	–	–	–	**117**	–	–	–
13	12 11/16	4.6	5.7	**48**	–	–	–	**83**	–	–	–	**118**	–	–	–
14	–	–	–	**49**	48 2/16	17.4	21.9	**84**	83 9/16	29.8	37.1	**119**	119	40.9	51.2
15	–	–	–	**50**	–	–	–	**85**	–	–	–	**120**	–	–	–
16	–	–	–	**51**	–	–	–	**86**	–	–	–	**121**	–	–	–
17	16 10/16	6.1	7.5	**52**	–	–	–	**87**	–	–	–	**122**	–	–	–
18	–	–	–	**53**	52 1/16	18.9	23.7	**88**	87 8/16	31.1	38.7	**123**	122 15/16	42.1	52.8
19	–	–	–	**54**	–	–	–	**89**	–	–	–	**124**	–	–	–
20	–	–	–	**55**	–	–	–	**90**	–	–	–	**125**	–	–	–
21	20 9/16	7.6	9.4	**56**	–	–	–	**91**	–	–	–	**126**	–	–	–
22	–	–	–	**57**	56	20.3	25.4	**92**	91 7/16	32.4	40.3	**127**	126 14/16	43.3	54.3
23	–	–	–	**58**	–	–	–	**93**	–	–	–	**128**	–	–	–
24	–	–	–	**59**	–	–	–	**94**	–	–	–	**129**	–	–	–
25	24 8/16	9.1	11.3	**60**	59 15/16	21.7	27.1	**95**	–	–	–	**130**	–	–	–
26	–	–	–	**61**	–	–	–	**96**	95 6/16	33.4	41.6	**131**	130 13/16	44.5	55.9
27	–	–	–	**62**	–	–	–	**97**	–	–	–	**132**	–	–	–
28	–	–	–	**63**	–	–	–	**98**	–	–	–	**133**	–	–	–
29	28 7/16	10.6	13.2	**64**	63 14/16	23.0	28.8	**99**	–	–	–	**134**	–	–	–
30	–	–	–	**65**	–	–	–	**100**	99 5/16	34.6	43.2	**135**	134 12/16	45.7	57.4
31	–	–	–	**66**	–	–	–	**101**	–	–	–	**136**	–	–	–
32	–	–	–	**67**	–	–	–	**102**	–	–	–	**137**	–	–	–
33	32 6/16	11.7	14.6	**68**	67 13/16	24.4	30.5	**103**	–	–	–	**138**	–	–	–
34	–	–	–	**69**	–	–	–	**104**	103 4/16	35.9	44.8	**139**	138 11/16	46.9	58.9
35	–	–	–	**70**	–	–	–	**105**	–	–	–	**140**	–	–	–
36	–	–	–	**71**	–	–	–	**106**	–	–	–	**141**	–	–	–
37	36 5/16	13.1	16.5	**72**	71 12/16	25.8	32.3	**107**	–	–	–	**142**	–	–	–
38	–	–	–	**73**	–	–	–	**108**	107 3/16	37.2	46.4	**143**	142 10/16	48.0	60.4
39	–	–	–	**74**	–	–	–	**109**	–	–	–	**144**	–	–	–
40	–	–	–	**75**	–	–	–	**110**	–	–	–				
41	40 4/16	14.6	18.3	**76**	75 11/16	27.1	33.9	**111**	–	–	–				
42	–	–	–	**77**	–	–	–	**112**	111 2/16	38.4	48.0				
43	–	–	–	**78**	–	–	–	**113**	–	–	–				
44	–	–	–	**79**	–	–	–	**114**	–	–	–				
45	44 3/16	16.0	20.1	**80**	79 10/16	28.4	35.5	**115**	–	–	–				
46	–	–	–	**81**	–	–	–	**116**	115 1/16	39.7	49.6				

Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	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

T-Grid Compatibility

Luminii Mounting	Brand	Type	Part Number	Description
TB9	USG*	9/16	208257	DX/DXL-24 SUSPENSION FLAT WHITE
TB15		15/16	215673	DONN AX SUSPENSION
TB15		15/16	272638	DXCE FLAT WHITE
TB15		15/16	207901	M7 OVERLAPPING
TB9	ARMSTRONG	9/16	BPGZ068	SURPRAFINE XL HRC
TB15		15/16	BPGZ051	PRELUDE XL HRC EXPOSED TEE SYSTEM
TB15		15/16	BPGZ044	PRELUDE ML EXPOSED TEE SYSTEM
TB15		15/16	BPGZ046	PRELUDE XL FIRE EXPOSED TEE SYSTEM

* Statement of Compatibility from USG:

Luminii's fixtures at 0.25lbs/ft can be fully supported by the USG grids listed in the table above and do not require any additional structural support or modifications to the grid system as long as the overall ceiling weight including specified fixtures and/or any other components supported by the grid does not cross the allowed ceiling weight per state building structural codes.

Power Supplies

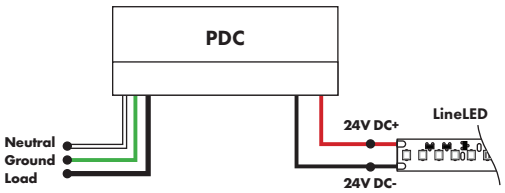
See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

For use with Warm Dim, WD68

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"

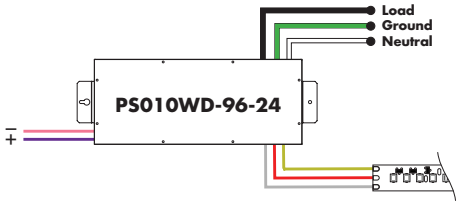


For use with Dynamic White, DW68

0-10V Warm Dimming 0% Power Supply 120VAC - 277VAC
(for warm dimming of 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

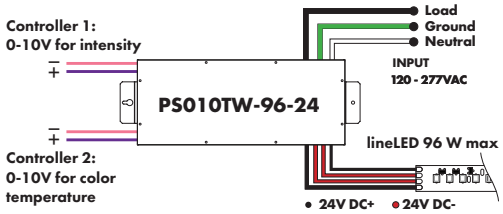


0-10V Tunable White 0% Dimming Power Supply 120VAC - 277VAC
(for tunable white control of Dynamic White option)

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

Requires two 0-10V controllers to work properly

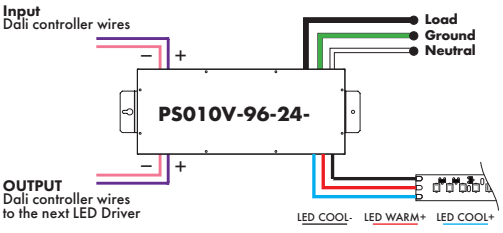
	MODELS	PS010TW
A	Length	14.40"
B	Width	2.60"
C	Depth	5.20"



Customizable Dim to Warm or Variable White via 0 - 10V
(for tunable white or warm dimming control of 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



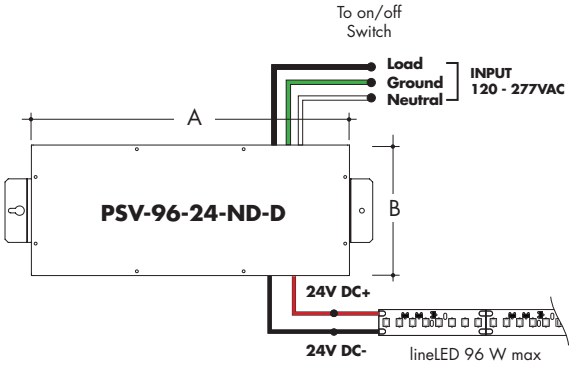
For use with RGB/RGBW/Pixel, RGB42/RGBW36/RGBX18/RGBWX18

Non-Dimming Power Supply 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ND - 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.

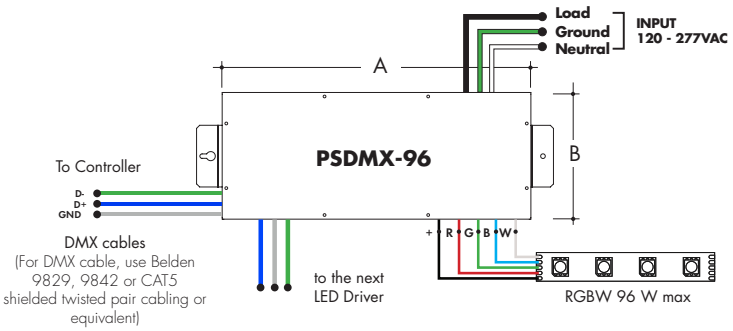
For use with RGB/RGBW, RGB42/RGBW36 or with Dynamic White, DW68

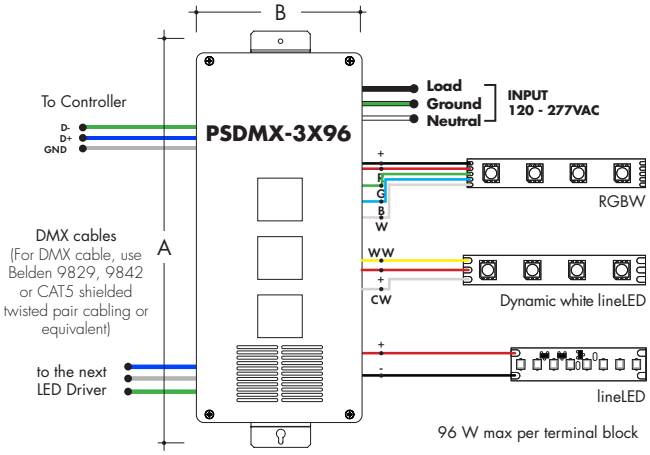
DMX 0% Dimming Power Supplies 120VAC - 277VAC

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

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

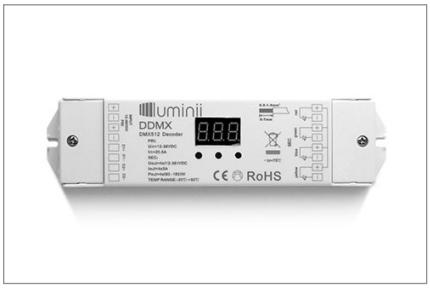
DMX512 (1024 channels)

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

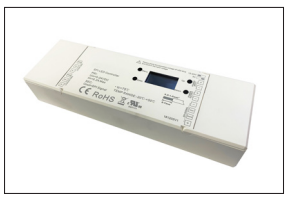
up to 96W at 24V

Operating Temperature Range

from -4°F to +122°F in case

Smart Pixel Decoder

SPI signal to DMX signal decoder



Model

SR-DMX-SPI

SR-DMX-SPI - Smart Pixel Decoder

The SR-DMX-SPI is a smart LED pixel decoder that controls RGB/RGBW pixel LED strips with SPI signal. Designed with an OLED backlit panel, the pixel controller allows for easy configuration of most settings. Four push buttons are available for control of the LED functions.

*For pixel only.

Features

- 2 in 1 in-Wall Controller: DMX Control or Wireless RGB-W
- SPI signal output for RGB/RGBW pixel light control
- DMX512 controllable and RF/WIFI remote controllable
- Capable of addressing up to 1020 RGB pixels & 765 RGB pixels
- OLED panel allows for easy configuration

Operating Voltage

12 - 36V DC

Power capacity

up to 96W at 24V

Operating temperature range

from -4°F to +122°F in case