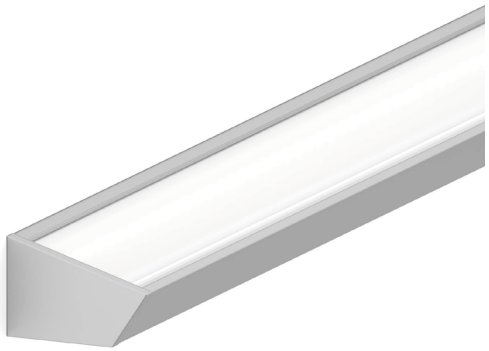
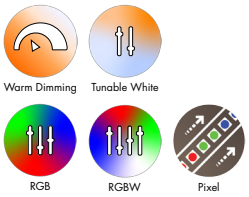
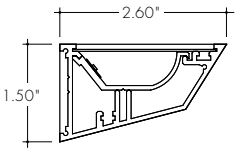
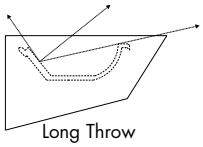


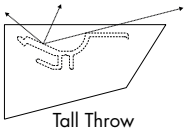
Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 32' depending on output
- Suitable for wall mount applications
- Available with long throw and tall throw reflectors
- Class 2 listed for damp locations
- Dot free even illumination achievable Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors.
- Tunable White allows individual control of CCT and output, can be paired with Vintage Dim power supply for warm dim effect
- Warm Dim follows the incandescent dimming curve and is compatible with MLV, ELV, and Incandescent dimmers.
- RGB offers balanced output across the color gamut and a true white with RGBW
- Smart Pixel allows for infinite color combinations with cascading and chasing effects
- Average Life (L70): 50,000hrs
- 7 Year warranty









Technical Information

TYPE	Warm Dim	Tunable White		RGBW		RGB		Pixel	
OUTPUT OPTIONS	**WD68SO (19K–27K)**	**TW68SO (27K–65K)**	**TW68HO (27K–65K)**	**RGBW36SO**	**RGBW36HO**	**RGB42SO**	**RGB42HO**	**RGBWX18SO**	**RGBX18SO**
Lumens Output (all channels full on)	315 lm/ft	382 lm/ft	459 lm/ft	192 lm/ft	318 lm/ft	190 lm/ft	280 lm/ft	232 lm/ft	153 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	58 lm/W	83 lm/W	82 lm/W	48 lm/W	42 lm/W	42 lm/W	34 lm/W	41 lm/W	34 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
Ambient Operating Temperature Range*	-5°F – 125°F (-20°C - 50°C)	-5°F – 125°F (-20°C - 50°C)		-5°F – 125°F (-20°C - 50°C)		-5°F – 125°F (-20°C - 50°C)		-5°F – 125°F (-20°C - 50°C)	
Control/Dimming Protocol	MLV, ELV, Inc.	0–10V, DMX		DMX				SPI Protocol UCS 2904	SPI Protocol UCS 2903

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

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

Tunable White (TW68)

CCT	TM-30 CRI	R_f	R_g	R_9
2700K	98	96	101	91
2900K	98	96	102	94
3500K	97	94	105	97
4100K	95	91	104	79
4400K	97	91	101	97
6500K	92	88	97	64

RGBW (3000K)

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

TW68

CCT	Multiplier
27K - 65K	1.00

Dominant Wavelength

Color	RGB42/ RGBW36	RGBX18/ RGBWX18
Red	620nm	621nm
Green	525nm	519nm
Blue	467nm	465nm

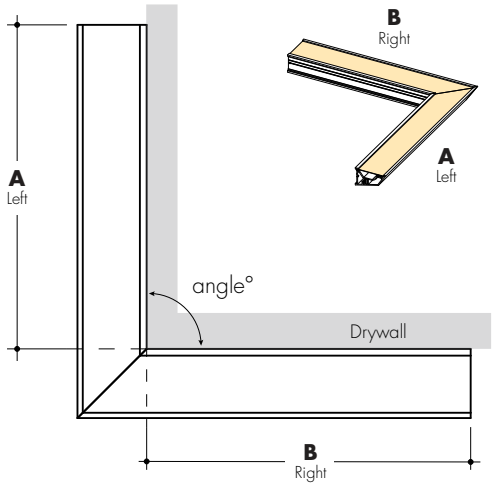
Ordering Code

MODEL	LENGTH[1]	OUTPUT[2]	CCT	REFLECTOR	FINISH	LEFT END CAP	RIGHT END CAP	POWER FEED LEFT END[3]	POWER FEED RIGHT END[3]
M - mCove	12"–144" 3" increments	WD68SO - Standard	19K27K - 1900K- 2700K	LT - Long Throw TT - Tall Throw	PR - Paint Ready	LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	LPB - Back Plenum Leads	RNPF - No Power Feed
	12"–144" 3" increments	TW68SO - Standard TW68HO - High	19K35K - 1900K- 3500K 27K65K - 2700K- 6500K			LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads
	12"–144" 2" increments	RGBW36SO - Standard RGBW36HO - High RGB42SO - Standard RGB42HO - High	CLR - Color			LE - Endcap Left End LN - No Endcap Left End	RNJ - No Right Endcap, With Jumper Wires	LPB - Back Plenum Leads LNPF - No Power Feed	RNPF - No Power Feed
	12"–144" 4" increments	RGBWX18SO - Standard RGBX18SO - Standard	PXSPI - Smart Pixel Control			LNJ - No Left Endcap, With Jumper Wires	RE - Endcap Right End RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads RNPF - No Power Feed
						LNJ - No Left Endcap, With Jumper Wires	RNJ - No Right Endcap, With Jumper Wires	LNPF - No Power Feed	RNPF - No Power Feed

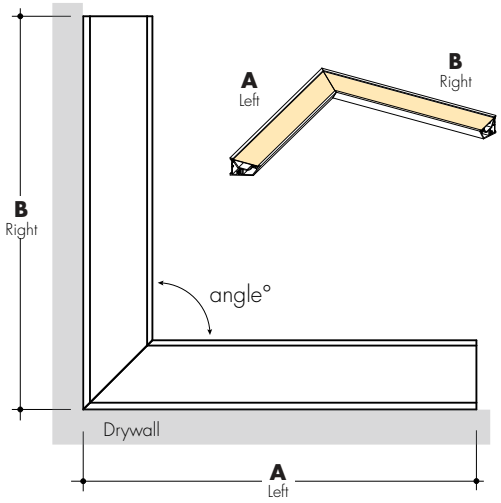
1 - Custom lengths and increments are available, please consult Inside Sales with specific request.
2 - Warm Dim and Tunable White options can be used to comply with Title 24 JA8 at max brightness depending on lens selection, see multiplier charts to calculate specific efficacy.
3 - Plenum Rated Wire leads are 72" long.
4 - NOTE: Cannot pair **LNPF-RNPF** without jumper connections - either LNJ or RNJ must be selected to allow for LNPF-RNPF to be chosen.
5 - NOTE: Cannot pair **LPB-RPB** together. Only one power feed per fixture/section on mCove
6 - NOTE: Cannot have a power feed on the same end as a jumper wire connection.

mCove Corner Options

M-OC
Outer Corner



M-IC
Inner Corner



Warm Dimming	Actual Length		Total Wattage
Corner Type	**A**	**B**	**WD68SO**
Inside I(M-IC)	10 12/16	10 1/16	10.2
Outside (M-OC)	10 9/16	10 9/16	10.2

Tunable White	Actual Length		Total Wattage		Actual Length		Total Wattage	
Corner Type	**A**	**B**	**TW68SO**	**TW68HO**	**A**	**B**	**TW68SO**	**TW68HO**
Inside I(M-IC)	10 12/16	10 1/16	8.7	10.8	10 12/16	10 1/16	8.7	10.8
Outside (M-OC)	10 9/16	10 9/16	8.7	10.8	10 9/16	10 9/16	8.7	10.8

RGB/RGBW/PIXEL			Total Wattage				Actual Length		Total Wattage	
Corner Type	**A**	**B**	**RGBW36SO**	**RGBW36HO**	**RGB42SO**	**RGB42HO**	**A**	**B**	**RGBX18SO**	**RGBWX18SO**
Inside I(M-IC)	12 11/16	12	6.7	13.3	8.2	15.2	12 11/16	12	9.4	7.6
Outside (M-OC)	12 9/16	12 9/16	6.7	13.3	8.2	15.2	12 9/16	12 9/16	9.4	7.6

Ordering Code

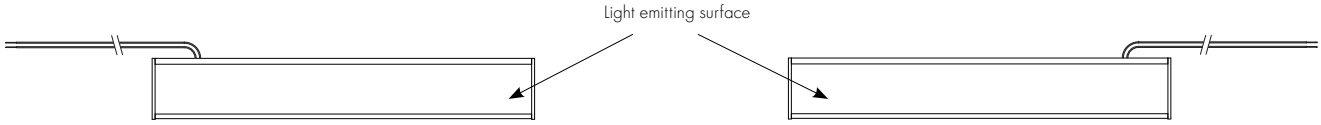
MODEL	CORNER	ANGLE[1]	OUTPUT[2]	CCT	REFLECTOR	FINISH	LEFT END CAP	RIGHT END CAP	POWER FEED LEFT END[3]	POWER FEED RIGHT END[3]
M - mCove	IC - Inner Corner OC - Outer Corner	90 - 90° Corner C - Custom Angle Corner	WD68SO - Standard	19K27K - 1900K- 2700K	LT - Long Throw TT - Tall Throw	PR - Paint Ready	LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	LPB - Back Plenum Leads	RNPF - No Power Feed
			TW68SO - Standard TW68HO - High	19K35K - 1900K- 3500K 27K65K - 2700K- 6500K			LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads
			RGBW36SO - Standard RGBW36HO - High RGB42SO - Standard RGB42HO - High	CLR - Color			LE - Endcap Left End LN - No Endcap Left End	RNJ - No Right Endcap, With Jumper Wires	LPB - Back Plenum Leads LNPF - No Power Feed	RNPF - No Power Feed
			RGBWX18SO - Standard RGBX18SO - Standard	PXSPI - Smart Pixel Control			LNJ - No Left Endcap, With Jumper Wires	RE - Endcap Right End RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads RNPF - No Power Feed
							LNJ - No Left Endcap, With Jumper Wires	RNJ - No Right Endcap, With Jumper Wires	LNPF - No Power Feed	RNPF - No Power Feed

1 - Custom Angle Corners are available, please consult Inside Sales with specific request.
2 - All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.
3 - Plenum Rated Wire leads are 72" long.
4 - NOTE: Cannot pair **LNPF-RNPF** without jumper connections - either LNJ or RNJ must be selected to allow for LNPF-RNPF to be chosen.
5 - NOTE: Cannot pair **LPB-RPB** together. Only one power feed per fixture/section on mCove
6 - NOTE: Cannot have a power feed on the same end as a jumper wire connection.

Power feed options for straight sections

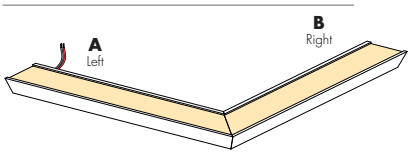
M-XX-LPB-RNPF
Back left powerfeed

M-XX-LNPF-RPB
Bacl right powerfeed

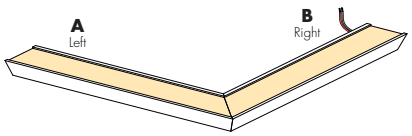


Power feed options for corner fixtures

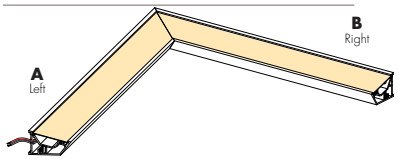
M-OC-90-XX-LPB-RNPF
Outside Corner, back left powerfeed



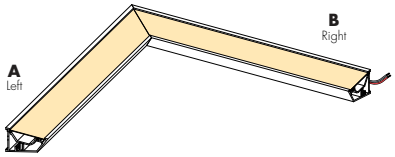
M-OC-90-XX-LNPF-RPB
Outside Corner, back right powerfeed



M-IC-90-XX-LPB-RNPF
Inside Corner, back left powerfeed



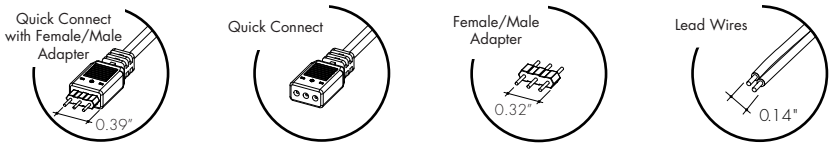
M-IC-90-XX-LNPF-RPB
Inside Corner, back right powerfeed



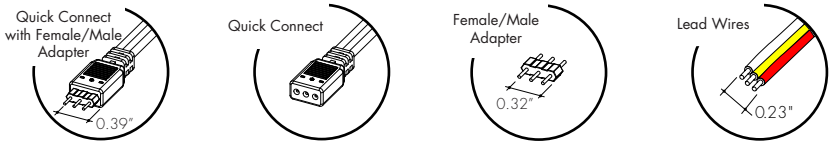
Powerfeeds and Connectors

Linking and Extension Cable Options
Jumpers, Adapters, and Lead Wires are included

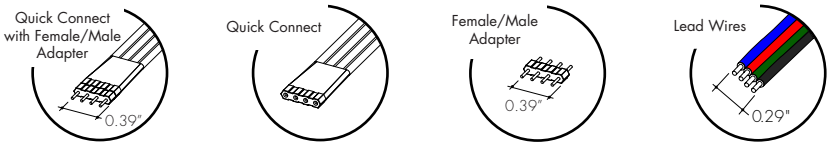
For use with Warm Dim (WD68):



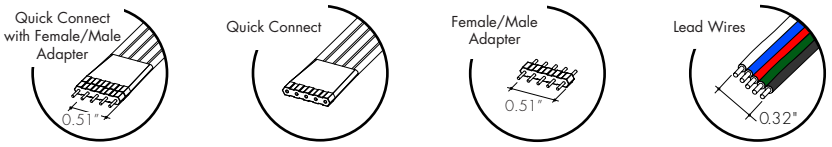
For use with Tunable White (TW68), RGB Pixel (RGBX18) and RGBW Pixel (RGBWX18):



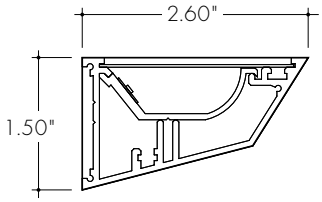
For use with RGB (RGB42):

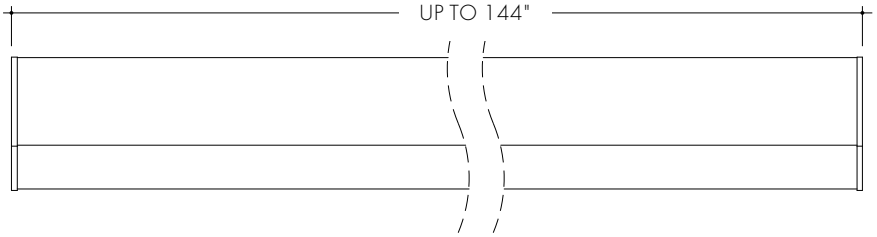


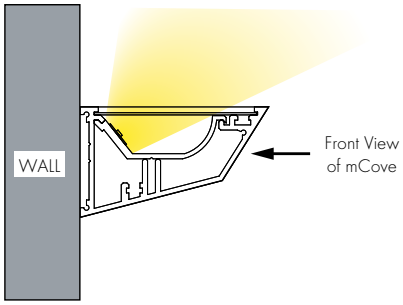
For use with RGBW (RGBW36):

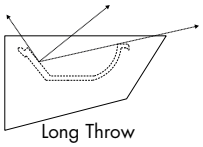


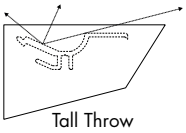
Product Dimensions







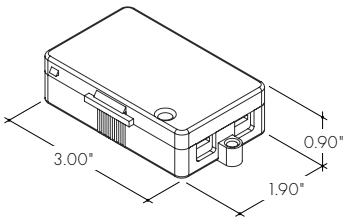




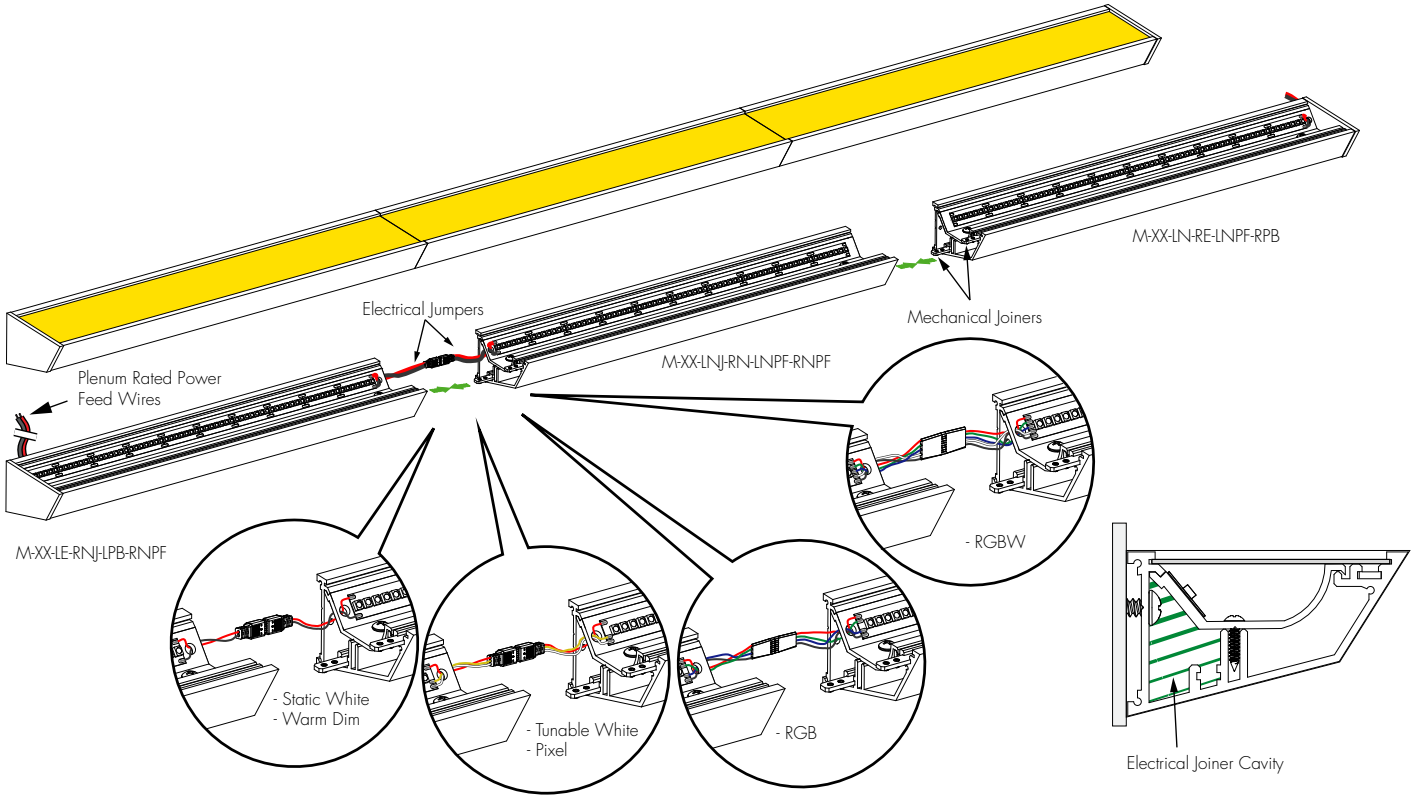
Accessory Options

LVSP-4T-BK

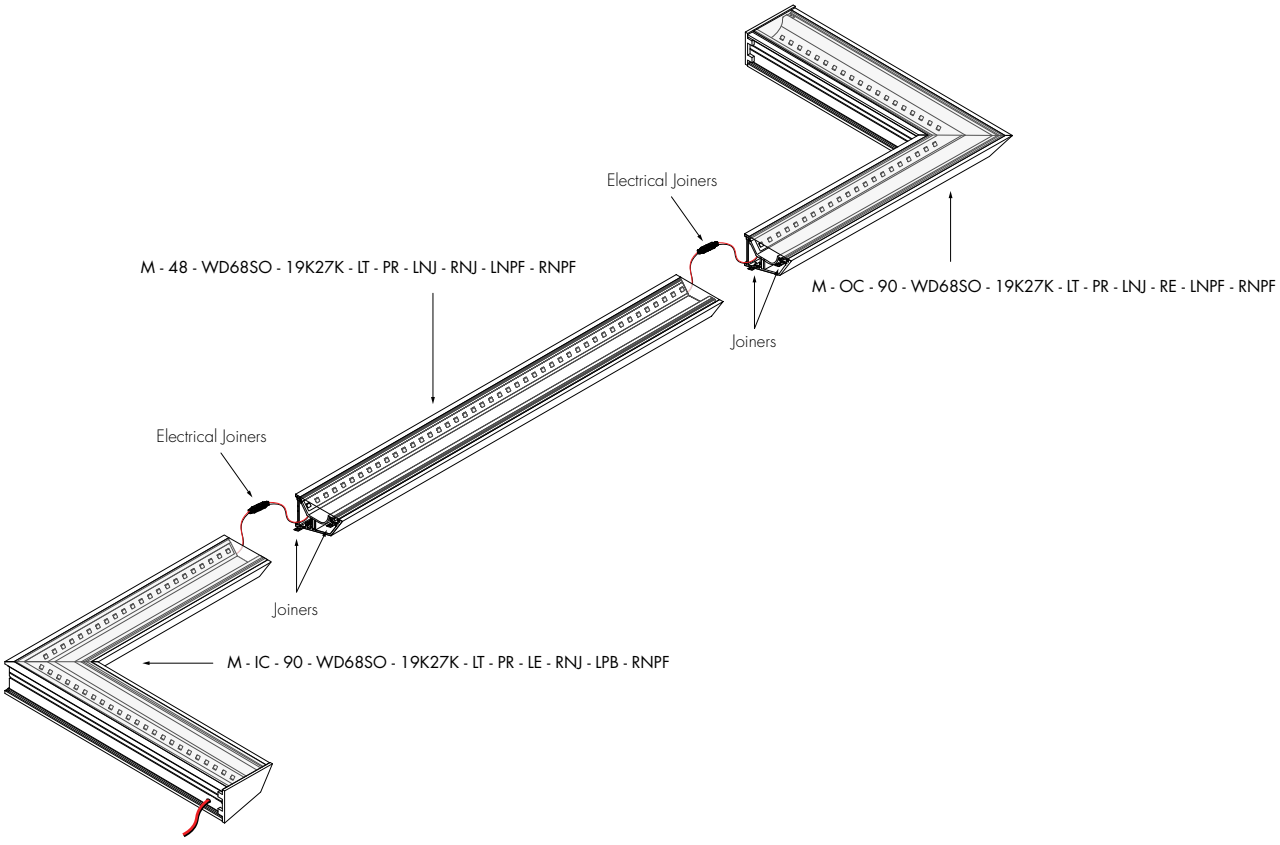
Low Voltage, 4 Terminal Splice Box, Black



Sample Layout of Power Feed



Layout example



Power Consumption

Tested at Full Power with PS-UNI Series power supplies.
Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

Warm Dim (WD68)

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	10 11/16	4.6	**47**	–	–	**82**	–	–	**117**	116 8/16	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**	119	48.3
15	–	–	**50**	–	–	**85**	84 9/16	35.7	**120**	–	–
16	15 10/16	6.9	**51**	50 1/16	22.0	**86**	–	–	**121**	–	–
17	–	–	**52**	–	–	**87**	87	36.7	**122**	121 7/16	49.1
18	–	–	**53**	52 9/16	23.0	**88**	–	–	**123**	–	–
19	18 2/16	8.0	**54**	–	–	**89**	–	–	**124**	123 15/16	49.9
20	–	–	**55**	–	–	**90**	89 7/16	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	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 13/16	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 6/16	13.4	**66**	–	–	**101**	–	–	**136**	–	–
32	–	–	**67**	–	–	**102**	101 12/16	42.2	**137**	136 3/16	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 12/16	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 9/16	56.2
40	–	–	**75**	74 11/16	32.0	**110**	109 2/16	44.8			
41	40 4/16	17.8	**76**	–	–	**111**	–	–			
42	–	–	**77**	–	–	**112**	111 10/16	45.8			
43	42 11/16	18.9	**78**	77 2/16	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 PS-UNI Series power supplies.
Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

Tunable White (TW68)

Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts	
		SO	HO			SO	HO			SO	HO			SO	HO
12	10 11/16	4.6	5.9	**47**	–	–	–	**82**	–	–	–	**117**	116 8/16	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 1/16	19.0	24.0	**86**	–	–	–	**121**	–	–	–
17	–	–	–	**52**	–	–	–	**87**	87	31.4	39.5	**122**	121 7/16	42.7	52.5
18	–	–	–	**53**	52 9/16	20.0	25.4	**88**	–	–	–	**123**	–	–	–
19	18 2/16	6.7	8.4	**54**	–	–	–	**89**	–	–	–	**124**	123 14/16	43.3	53.0
20	–	–	–	**55**	–	–	–	**90**	89 7/16	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	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 13/16	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 6/16	11.8	14.8	**66**	–	–	–	**101**	–	–	–	**136**	–	–	–
32	–	–	–	**67**	–	–	–	**102**	101 12/16	37.4	45.7	**137**	136 3/16	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 12/16	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 9/16	48.1	59.1
40	–	–	–	**75**	74 11/16	28.4	34.3	**110**	109 2/16	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 11/16	16.4	20.7	**78**	77 2/16	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 PS-UNI Series power supplies.
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 Consumption

Tested at Full Power with PS-UNI Series power supplies.
Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

PIXEL

Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	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**	56	20.3	25.4	**91**	–	–	–	**126**	–	–	–
22	–	–	–	**57**	–	–	–	**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

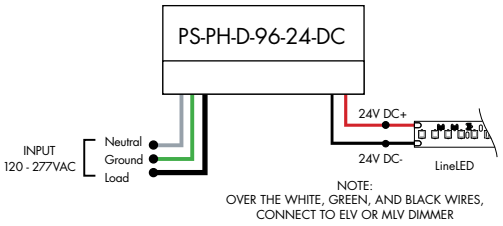
Power Supplies

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

Ordering Code Phase Dimming Power Supply 1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	OUTPUT CONTROL
PS-Power Supply, 120-277VAC	PH-Phase Dimming (Triac, ELV, MLV)	D-Dry	96-96 Watts	24-24 VDC	DC-Direct Current



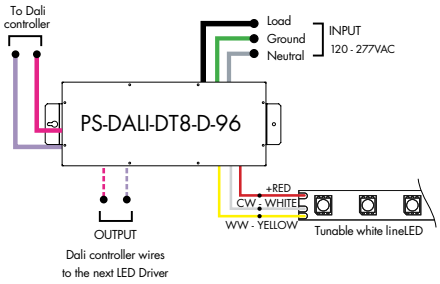
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart (Link)

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

For use with Tunable White, TW68

Ordering Code DALI2 Dimming Power Supplies 0.1% 120VAC - 277VAC

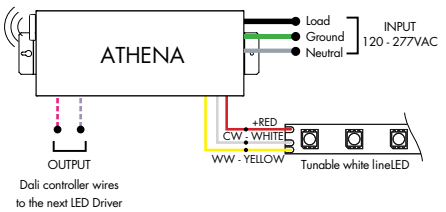
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	OUTPUT CONTROL
PS-Power Supply, 120-277VAC	DALI-DT8-DALI DT8 Tunable White (0.1%)	D-Dry	96-96 Watts	24-24 VDC	PWM-Pulse Width Modulation



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

Athena DALI2-DT8 LED Driver

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS-Power Supply, 120-277VAC	DALI-DT8-DALI DT8 Tunable White	D-Dry	96-96 W	24-24 VDC	AWNR-Athena



MODELS	96W
Length	14.40"
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.

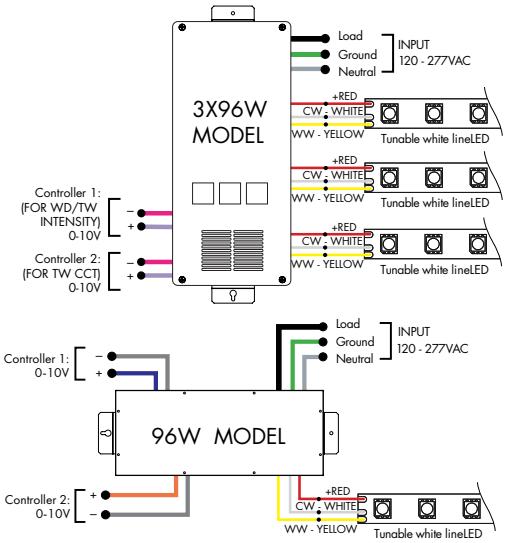
For use with Tunable White, TW68

Ordering Code VintageDim® 0 - 10V Dimming Power Supplies 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	010V-WD - 0 -10V Dimming, Standard Warm Dim Curve (with Tunable White LED) 010V-TW - 0 -10V Dimming, Two Channel Control, Brightness and CCT1-CCT2 Ratio 010V-2CH - 0 -10V Dimming, Two Channel Control, LED1 Brightness and LED2 Brightness 010V-WDX - 0 -10V Dimming, Customizable Warm Dim Curve (with Tunable White LED) 010V-2CHX - 0 -10V Dimming, Two Channel Control, Customizable Brightness and CCT1-CCT2 Ratio	D - Dry	96 - 96 Watts 3X96 - 3x96 Watts[1]	24 - 24 VDC

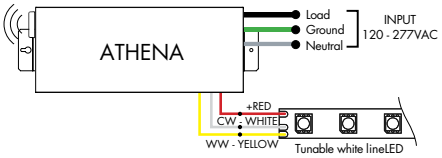
1 - 3x96 is only available with input control options 010V-WD and 010V-TW
2 - Athena only available on 96 watts option

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



Athena 0-10V Warm Dim LED Driver

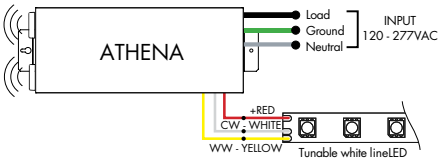
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	010V-WD - 0-10V Dimming, Standard Warm Dim Curve (with Dynamic White LED)	D - Dry	96 - 96 W	24 - 24 VDC	AWNR - Athena



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

Athena 0-10V Two Channel LED Driver

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	010V-2CH - 0-10V Dimming Two Channel Control, LED1 Brightness and LED2 Brightness	D - Dry	96 - 96 W	24 - 24 VDC	AWNR - Athena



MODELS	96W
Length	14.40"
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 Tunable White, TW68

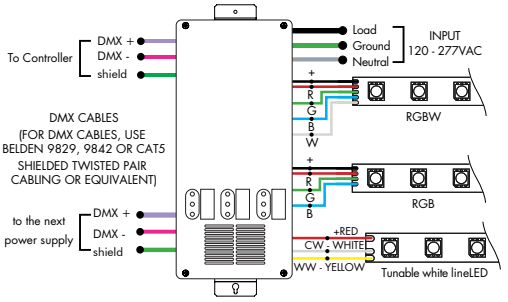
Requires Controller

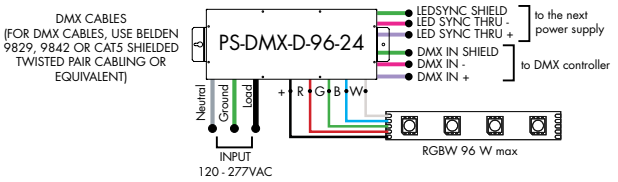
Ordering Code DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	DMX-DMX (0.1%)	D-Dry	96-96 Watts 3X96-3X96 Watts	24-24 VDC

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

PS-DMX-D-3X96-24





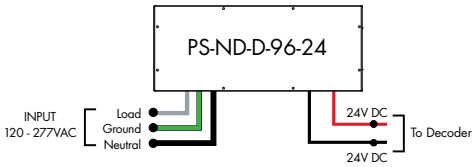
For use with RGB/RGBW/Pixel, RGB42/RGBW36/RGBX18/RGBWX18

Requires Controller and Decoder

Ordering Code Non-Dimming Power Supply 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	ND-Non Dimming	D-Dry	96-96 Watts	24-24 VDC

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



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

Requires Controller and Decoder

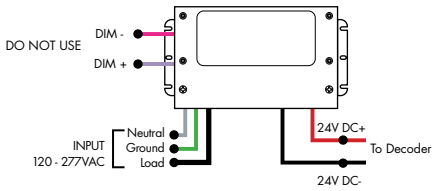
Ordering Code Universal Dimming Power Supplies 1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	UNI-0-10V Dimming, Phase Dimming	D-Dry W-Wet	30-30 Watts 60-60 Watts 96-96 Watts 3x96-3x96 Watts	24-24 VDC

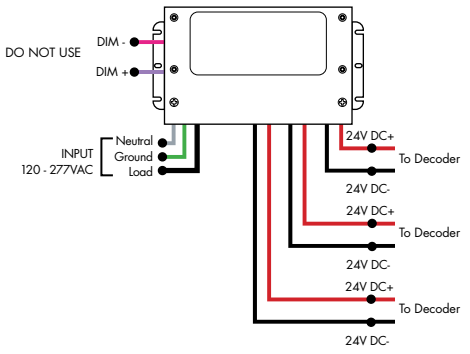
Compatibility: View a complete list of compatible dimmers on product page (Link)

0-10V - 1% dimming
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart

PS-UNI-D-96 / PS-UNI-W-96



PS-UNI-D-3X96 / PS-UNI-W-3X96



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

MODELS	PS-UNI-D-30W	PS-UNI-D-60W	PS-UNI-D-96W	PS-UNI-D-3X96W
Length	8.77"	8.77"	8.11"	9.94"
Width	4.27"	4.27"	5.60"	7.61"
Depth	1.83"	1.83"	1.83"	2.02"

Controllers and Decoders

For use with Tunable White Power Supplies

MODEL

DTW-MC

DTW-MC - Tunable White controller

Tunable White wall-mount controller controls lighting fixtures, wireless control of TW lighting fixture. Fits in any standard US switch box. Includes all the outputs in the back of the controller.

Features

- Switch & dimming control function, control range > 20M.
- Smooth transition between light levels.
- Separately operate dimming and color temperature functions.
- Able to control 1 zone with endless receivers. Each receiver can maximally be controlled by 8 remotes.
- Power, temperature color and dimming functions operated by push button after receivers are connected.

Operating Voltage

3V DC battery

Color Parameters

- Brightness
- Saturation
- Fading

MODEL

TW-DMX

TW-DMX - DMX controller

Tunable White DMX wall-mount controller is a fully touch sensitive controller designed in accordance with standard protocol DMX512. Offers fast and accurate color temperature adjustment and brightness dimming of natural white, warm white and cold white. Designed with a touch color wheel, the DMX512 controller can adjust color temperature and brightness for all white LEDs smoothly and accurately. The DMX controller can control 1 zone with endless decoders.

Features

- 1 zone
- 6 color scenes
- DMX Control
- Touch Sensitive Glass Surface
- Dimming and Speed Control
- Memory Function
- Easily Fits Standard US Switch Boxes

Operating Voltage

12 - 24V DC

Color Parameters

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

MODEL

SLD-DIMTW

SLD-DIMTW - Tunable white LED dimming module

The SLD DimTW is a constant voltage warm dimming LED dimming module. The unique dimming module accepts 0-10V control and mimics a smooth, incandescent dimming curve.

Features

- Flicker free 0-100% dimming
- High efficiency up to 97%
- High precision dimming ratio:>1:1000
- Fully isolated plastic housing
- Comply with EN55015 and FCC part 15 without additional input filter and capacitors
- compact size, high reliability
- 3 years warranty

Operating Voltage

8-48 VDC

Controllers and Decoders

For use with Tunable White, RGB/RGBW Power Supplies

The RGBW receiver is easily paired with controller by the click of a button. Receiver can be reset to factory settings at any time.

Each receiver can store one static RGB color, one color sequence, and one brightness setting for the white LED strip. Receivers assigned to the same scene within the same zone will have the same LED static color and color sequence.

Operating Voltage
12-36 VDC

Power Capacity
up to 96W at 24V

Operating Temperature Range
from -4˚F to +122˚F in case

MODEL

RGBW-RC-R

RGBW-RC-R - RGBW receiver

Extends identical signal when connected in series to an RGBW LED control system. The RGBW signal repeater works with Luminii RGB and RGBW controllers, receivers, and decoders.

RGBW signal can be extended indefinitely when adequate power supply (not included) is connected to the system.

Operating Voltage
12-36 VDC

Power Capacity
up to 96W at 24V

Operating Temperature Range
from -4˚F to +122˚F in case

MODEL

RGBW-SR

RGBW-SR - RGBW signal repeater

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

MODEL

DDMX-RGBW

DDMX-RGBW - DMX decoder

Controllers and Decoders

For use with RGB/RGBW Power Supplies

MODEL

RGBW-MC3

RGBW-MC3 - 4-zone RGBW controller

Easy to operate wireless interface suitable for static or color changing scenes. Control 4 different color zones separately or at the same time. RGBW receiver (RGBW-RC-R) required for operation. Assign multiple receivers per zone to cover a large area.

Color wheel enables highly stable and sensitive color control functionality. Create your own color changing sequences with ease and flexibility.

Power
qty 3 AAA batteries

Scenes
up to 4 unique zones

Signal
Wireless (RF)

Energy Saving
Deactivates after 10 seconds of inactivity

Color Parameters
- Brightness
- Saturation
- Primary colors
- Speed of color changing sequence
- Fading

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

For use with Tunable White, RGB/RGBW, Pixel Power Supplies

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

Controllers and Decoders

For use with Pixel Power Supplies

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 RGBW 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

For use with Tunable White, RGB/RGBW Power Supplies

MODEL

DDMX-5CH-RDM-PRO

DDMX-5CH-RDM-PRO-DMX512 Decoder

DMX512 decoder with RDM functionality features 5 PWM output channels with common anode. High PWM output frequency range allows the product to be used in HD video conferencing spaces.
All DMX products to be installed per DMX512 Standard.

Power
96 Watt

Inputs
RJ45, XLR-5Pin, Terminal Block

DMX Channels
1 to 5 settable

PWM Output Resolution Ratio
8 or 16 bit

PWM Output Frequency
500Hz - 30KHz

Output Dimming Curve Gamma Value
0.1 ~ 9.9

MODEL

RGBW-WI-R

RGBW-WI-R - WIFI generator

RGBW-WI-R creates a local network that enables any electronic device (phone, tablet, etc.) to control the RGB/W strip connected to a RGBW-RC-R receiver.

The control functions are achieved through a free application download for Android and iOS devices called REALCOLOR.

Operating Voltage
12-36 VDC

Power Supply
PI-130-24 (included)

Operating Temperature Range
from -4°F to +122°F in case