

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 37' depending on output
- Available with plenum rated wire leads or with integral junction box for splice connection.
- Approved for closet/storage space installation per NEC 410.16(A) (3) and 410.16(C)(5) on outputs 5.7 W/ft or less
- Class 2 listed for damp locations
- Dot free even illumination
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors.
- Warm Dim follows the incandescent dimming curve and is compatible with MLV, ELV, and Incandescent dimmers.
- Tunable White allows individual control of CCT and output, can be paired with Vintage Dim power supply for warm dim effect
- 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				RGB		RGBW		Pixel	
	WD51 (18K-30K)			TW51 (27K-65K)				RGB42		RGBW36		RGBX18	RGBWX18
OUTPUT OPTIONS	SO	HO	VHO	SO	HO	VHO	X2VHO	SO	HO	SO	HO	SO	SO
Lumens Output (All On w/ Frosted Lens)	90 lm/ft	190 lm/ft	270 lm/ft	201 lm/ft	249 lm/ft	337 lm/ft	443 lm/ft	101 lm/ft	148 lm/ft	102 lm/ft	168 lm/ft	81 lm/ft	123 lm/ft
Average Power Consumption (for a 4' section)	2.4 W/ft	4.9 W/ft	7 W/ft	4.4 W/ft	5.4 W/ft	7.6 W/ft	9.5 W/ft	4.5 W/ft	8.3 W/ft	4 W/ft	7.6 W/ft	4.5 W/ft	5.7 W/ft
Efficacy	38 lm/W	39 lm/W	39 lm/W	46 lm/W	46 lm/W	44 lm/W	47 lm/W	22 lm/W	18 lm/W	26 lm/W	22 lm/W	18 lm/W	22 lm/W
Max Run Length (in series)	37 ft	22 ft	15 ft	27.9 ft	22 ft	15 ft	11.9 ft	28ft	14ft	26ft	13ft	30ft	20ft
Ambient Operating Temperature Range*	-4°F - 122°F (-20°C - 50°C)			-4°F - 122°F (-20°C - 50°C)				-4°F - 122°F (-20°C - 50°C)		-4°F - 122°F (-20°C - 50°C)		-4°F - 122°F (-20°C - 50°C)	
Control/Dimming Protocol	0-10V, DALI, DALI2, MLV (Triac), ELV, Inc.			0-10V, DMX, DALI-DT8				DMX, DALI-DT8		DMX, DALI-DT8		SPI Protocol UCS 2903	SPI Protocol UCS 2904

\* 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 (WD51)

CCT	Multiplier (ref. - 18K30K)	TM-30				
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>	
18K24K	1800K	0.90	92	85	91	86
	2400K		96	95	104	97
18K27K	1800K	0.97	92	85	91	86
	2700K		96	95	104	96
18K30K	1800K	1.00	92	85	91	86
	3000K		95	95	104	90

### Tunable White (TW51)

CCT	Multiplier (ref. - 27K65K)	TM-30				
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>	
18K30K	1800K	0.78	92	85	91	86
	2400K		95	93	106	98
27K65K	3000K	1.00	97	94	104	95
	2700K		97	95	103	93
	4200K		96	93	105	95
	6500K		91	90	101	63

### RGBW (3000K)

Tape	TM-30			
	CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
RGBW36	95	93	106	84
RGBWX18	93	91	99	64

### Dominant Wavelength

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

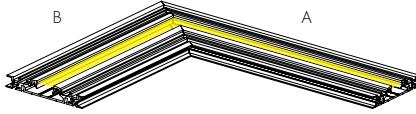
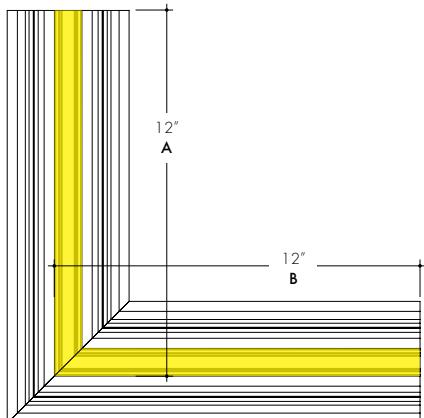
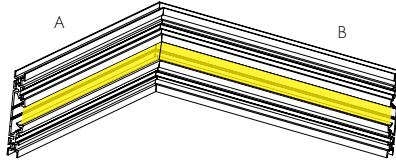
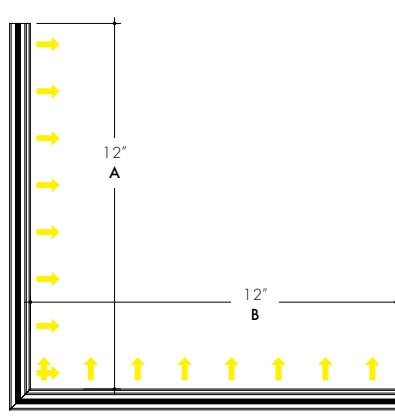
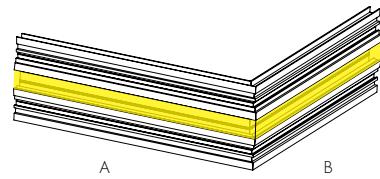
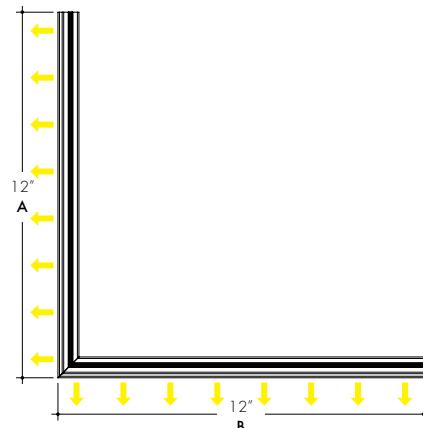
## Ordering Code

MODEL	LENGTH <sup>1</sup>	OUTPUT <sup>2</sup>	CCT	LENS	MOUNTING	LEFT END CAP	RIGHT END CAP	POWER SUPPLY TYPE
LIN-Lini	12"-14" 3" increments	WD51SO - Standard WD51HO - High WD51VHO - Very High	18K24K - 1800K - 2400K 18K27K - 1800K - 2700K 18K30K - 1800K - 3000K	F - Frosted lens FS - Frosted DHS - Surface N - No Lens	GDS - Gypsum Drywall Drywall to Hard Surface	LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	CPB - Center Power Feed, Plenum rated 72" wires CJB - Center Power Feed, Junction Box
	12"-14" 3" increments	TW51SO - Standard TW51HO - High TW51VHO - Very High TW51X2VHO - Very High	18K30K - 1800K - 3000K 27K65K - 2700K - 6500K			LE - Endcap Left End LN - No Endcap Left End	RNU - No Endcap Right End, with jumper LNJ - No Endcap Left End, with jumper	CPB - Center Power Feed, Plenum rated 72" wires CJB - Center Power Feed, Junction Box CNPF - No Power Feed
	12"-14" 2" increments	RGBW36SO - Standard RGBW36HO - High RGB42SO - Standard RGB42HO - High	CLR - Color			LNJ - No Endcap Left End, with jumper	RE - Endcap Right End RN - No Endcap Right End RNU - No Endcap Right End, with jumper	CPB - Center Power Feed, Plenum rated 72" wires CJB - Center Power Feed, Junction Box CNPF - No Power Feed
	12"-14" 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 Tunable White options can be used to comply with Title 24 JAB at max brightness depending on lens selection, see multiplier charts to calculate specific efficacy.

## Linii Gypsum Drywall Surface (GDS) Corner Options

**LIN-FC**  
 Flat Corner

**LIN-IC**  
 Inner Corner

**LIN-OC**  
 Outside Corner


Tunable White	Actual Length		Total Wattage				Warm Dimming	Actual Length		Total Wattage		
Corner Type	A	B	TW51SO	TW51HO	TW51VHO	TW51X2VHO	Corner Type	A	B	WD51SO	WD51HO	WD51VHO
Flat (LIN-FC)	11 14/16"	12 8/16"	8.9	11.1	15.5	19.6	Flat (LIN-FC)	11 14/16"	12 8/16"	4.7	9.9	14.1
Inner (LIN-IC)	11 2/16"	11 2/16"	8.9	11.1	15.5	19.6	Inner (LIN-IC)	11 2/16"	11 2/6"	4.7	9.9	14.1
Outer (LIN-OC)	12 6/16"	12 6/16"	8.9	11.1	15.5	19.6	Outer (LIN-OC)	12 6/16"	12 6/16"	4.7	9.9	14.1

RGB/RGBW/PIXEL	Actual Length		Total Wattage					
Corner Type	A	B	RGB42SO	RGB42HO	RGBW36SO	RGBW36HO	RGBX18SO	RGBWX18SO
Flat (LIN-FC)	12 7/16"	12 12/16"	9.9	18.7	8.5	15.9	9.4	11.9
Inner (LIN-IC)	11 12/16"	11 12/16"	9.9	18.7	8.5	15.9	9.4	11.9
Outer (LIN-OC)	12 12/16"	12 12/16"	9.9	18.7	8.5	15.9	9.4	11.9

## Ordering Code

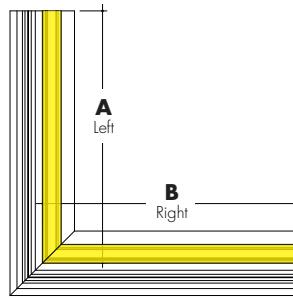
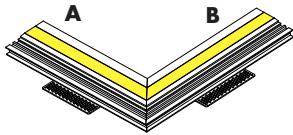
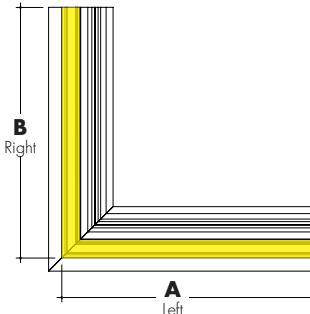
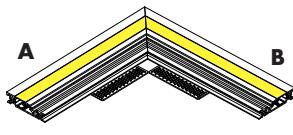
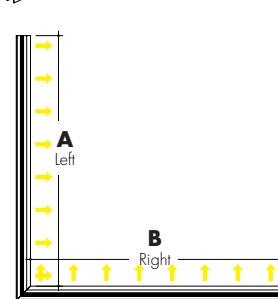
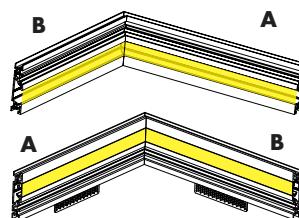
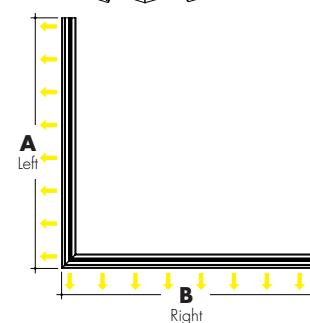
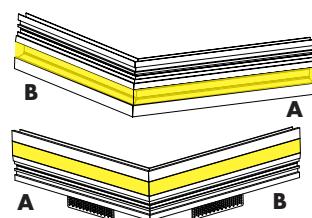
MODEL	CORNER TYPE	ANGLE <sup>1</sup>	OUTPUT <sup>2</sup>	CCT	LENS	MOUNTING	LEFT END CAP <sup>3</sup>	RIGHT END CAP <sup>3</sup>	POWER SUPPLY TYPE
LIN-Linii	IC-Inner Corner	90-90° Corner	WD51SO - Standard	18K24K-1800K - 2400K	F-Frosted Lens	GDS-Gypsum Drywall Surface	LE-Endcap Left End	RE-Endcap Right End	CPB-Center Power Feed, Plenum rated 72" wires
OC-Outer Corner	C-Custom Angle Corner		WD51HO - High	18K27K-1800K - 2700K	FS-Frosted Silicone Lens		LN-No Endcap Left End	RN-No Endcap Right End	CJB-Center Power Feed, Junction Box
FC-Flat Corner			WD51VHO - Very High	18K30K-1800K - 3000K	N-No Lens				
			TW51SO - Standard	18K30K-1800K - 3000K			LE-Endcap Left End	RNJ-No Endcap Right End, with jumper	CPB-Center Power Feed, Plenum rated 72" wires
			TW51HO - High	27K65K-2700K - 6500K			LN-No Endcap Left End	RNJ-No Endcap Right End, with jumper	CJB-Center Power Feed, Junction Box
			TW51VHO - Very High	TW51X2VHO - Very High			LNJ-No Endcap Left End, with jumper	RE-Endcap Right End	CPB-Center Power Feed, Plenum rated 72" wires
			RGBW36SO - Standard	CLR-Color			LNJ-No Endcap Left End, with jumper	RN-No Endcap Right End	CJB-Center Power Feed, Junction Box
			RGBW36HO - High					RNJ-No Endcap Right End, with jumper	CNPF-No Power Feed
			RGB42SO - Standard						
			RGB42HO - High						
			RGBWX18SO - Standard	PXSPI-Smart Pixel Control					
			RGBWX18SO - Standard						

<sup>1</sup> - Custom lengths and increments are available, please consult Inside Sales with specific request.

<sup>2</sup> - 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.

<sup>3</sup> - Linii Corner fixtures cannot be paired with straight Linii Fixture that have endcaps on both ends (LE/RE). Linii Corner can only connect to another Linii Corner fixture or a straight Linii Fixture that is missing at least one endcap.

## Linii Drywall to Hard Surface (DHS) Corner Options

LIN-FC1  
Flat Corner (Option 1)LIN-FC2  
Flat Corner (Option 2)LIN-IC  
Inner CornerLIN-OC  
Outside Corner

Tunable White	Actual Length		Total Wattage				Warm Dimming	Actual Length		Total Wattage		
Corner Type	A	B	TW51SO	TW51HO	TW51VHO	TW51X2VHO	Corner Type	A	B	WD51SO	WD51HO	WD51VHO
Flat (LIN-FC1)	11 14/16"	12 8/16"	8.9	11.1	15.5	19.6	Flat (LIN-FC1)	11 14/16"	12 8/16"	4.7	9.9	14.1
Flat (LIN-FC2)	11 14/16"	12 8/16"	8.9	11.1	15.5	19.6	Flat (LIN-FC2)	11 14/16"	12 8/16"	4.7	9.9	14.1
Inner (LIN-IC)	11 2/16"	11 2/16"	8.9	11.1	15.5	19.6	Inner (LIN-IC)	11 2/16"	11 2/16"	4.7	9.9	14.1
Outer (LIN-OC)	12 6/16"	12 6/16"	8.9	11.1	15.5	19.6	Outer (LIN-OC)	12 6/16"	12 6/16"	4.7	9.9	14.1

RGB/RGBW/PIXEL	Actual Length		Total Wattage					
Corner Type	A	B	RGB42SO	RGB42HO	RGBW36SO	RGBW36HO	RGBX18SO	RGBWX18SO
Flat (LIN-FC1)	12 7/16"	12 12/16"	9.9	18.7	8.5	15.9	9.4	11.9
Flat (LIN-FC2)	12 7/16"	12 12/16"	9.9	18.7	8.5	15.9	9.4	11.9
Inner (LIN-IC)	11 12/16"	11 12/16"	9.9	18.7	8.5	15.9	9.4	11.9
Outer (LIN-OC)	12 12/16"	12 12/16"	9.9	18.7	8.5	15.9	9.4	11.9

## Ordering Code

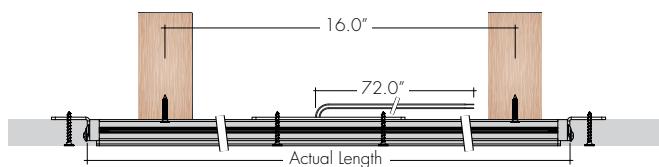
MODEL	CORNER TYPE	ANGLE <sup>1</sup>	OUTPUT <sup>2</sup>	CCT	LENS	MOUNTING	LEFT END CAP <sup>5</sup>	RIGHT END CAP <sup>5</sup>	POWER SUPPLY TYPE
Linii	IC - Inner Corner	90 - 90° Corner	WD51SO - Standard	18K24K - 1800K - 2400K	F - Frosted Lens	DHS - Drywall to Hard Surface	LE - Endcap Left End	RE - Endcap Right End	CPB - Center Power Feed, Plenum rated 72" wires
FC1 - Flat Corner (option 1)	OC - Outer Corner	C - Custom Angle Corner	WD51HO - High	18K27K - 1800K - 2700K	FS - Frosted Silicone Lens		LN - No Endcap left End	RN - No Endcap Right End	CJB - Center Power Feed, Junction Box
FC2 - Flat Corner (option 2)			WD51VHO - Very High	18K30K - 1800K - 3000K	N - No Lens				
			TW51SO - Standard	18K30K - 1800K - 3000K			LE - Endcap Left End	RN - No Endcap Right End, with jumper	CPB - Center Power Feed, Plenum rated 72" wires
			TW51HO - High	27K65K - 2700K - 6500K			LN - No Endcap Left End, with jumper	RNJ - No Endcap Right End, with jumper	CJB - Center Power Feed, Junction Box
			TW51VHO - Very High	TW51X2VHO - Very High					CNPF - No Power Feed
			RGBW36SO - Standard	CLR - Color			INJ - No Endcap Left End, with jumper	RE - Endcap Right End	CPB - Center Power Feed, Plenum rated 72" wires
			RGBW36HO - High				RN - No Endcap Right End	RN - No Endcap Right End, with jumper	CJB - Center Power Feed, Junction Box
			RGB42SO - Standard				RNJ - No Endcap Right End, with jumper	CNPF - No Power Feed	
			RGB42HO - High						
			RGBWX18SO - Standard	PXSPI - Smart Pixel Control					

<sup>1</sup> - Custom lengths and increments are available, please consult Inside Sales with specific request.<sup>2</sup> - 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.<sup>3</sup> - Linii Corner fixtures cannot be paired with straight Linii Fixture that have endcaps on both ends (LE-RE). Linii Corner can only connect to another Linii Corner fixture or a straight Linii Fixture that is missing at least one endcap.

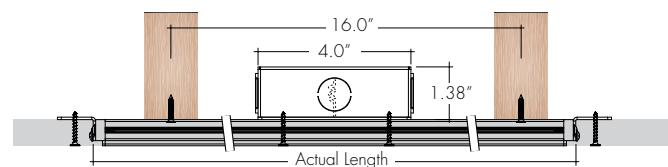
## Powerfeed options for Straight Fixtures

**LIN-LE-RE-CPB**

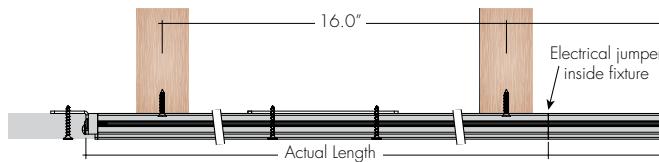
Wire leads, plenum rated CL3R cable on Straight Fixture


**LIN-LE-RE-CJB**

One integrated junction box centered on Straight fixture


**LIN-LE-RNJ-CNPF**

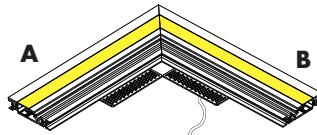
No Power Feed, fixture is receiving power from adjacent fixture with jumper



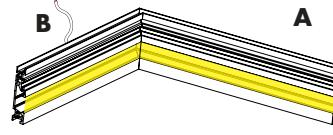
## Powerfeed options for Corner Fixtures

**LIN-FC-90-XX-DHS-CPB**

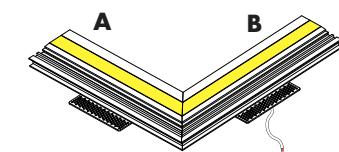
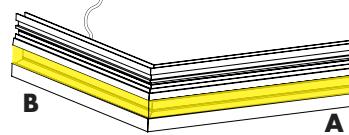
Wire Leads centered on segment B of corner


**LIN-IC-90-XX-DHS-CPB**

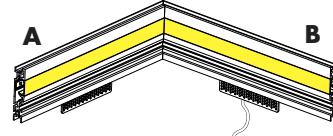
Wire Leads centered on segment B of corner


**LIN-OC-90-XX-DHS-CPB**

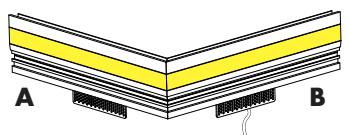
Wire Leads centered on segment B of corner


**LIN-FC-90-XX-GDS-CPB**

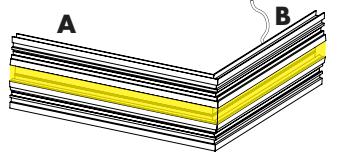
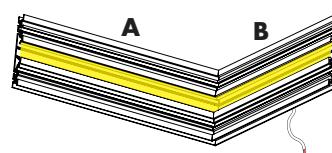
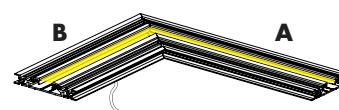
Wire Leads centered on segment B of corner


**LIN-IC-90-XX-GDS-CPB**

Wire Leads centered on segment B of corner


**LIN-OC-90-XX-GDS-CPB**

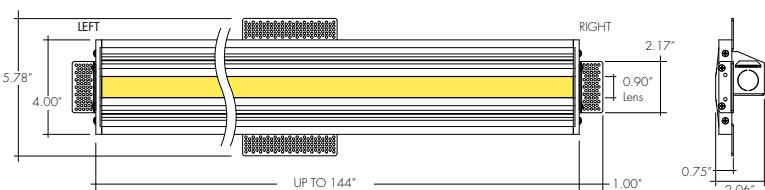
Wire Leads centered on segment B of corner



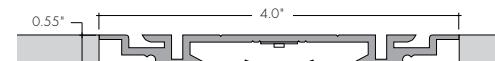
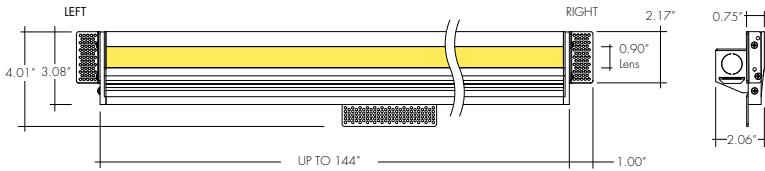
**Note:** Plenum wire leads are shown, but the same standard also applies to the junction box which is also centered on segment B of the corner fixture.

## Product Dimensions

### Linii GDS - Gypsum Drywall Surface



### Linii DHS - Gypsum Drywall Surface to Hard Surface



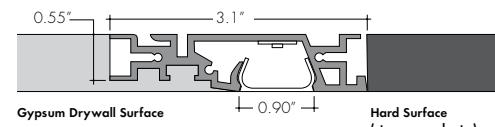
Gypsum Drywall Surface

Frosted Lens shown



Gypsum Drywall Surface

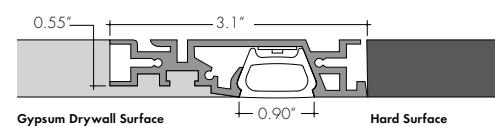
Silicone Frosted Lens shown



Gypsum Drywall Surface

Hard Surface (stone, wood, etc.)

Frosted Lens shown



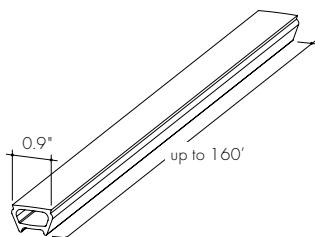
Gypsum Drywall Surface

Hard Surface (stone, wood, etc.)

Silicone Frosted Lens shown

## Accessory Options

### Continuous Lens (Field Cuttable)



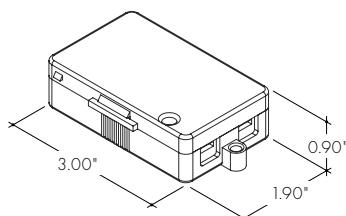
LINC-FS - Linii Channel Continuous Frosted Silicone Lens

XX - Order in 10' increments up to 160'

**Note:** Order the continuous (field cuttable) lens up to 160'. Recommended to avoid seams between multiple fixtures joining together.

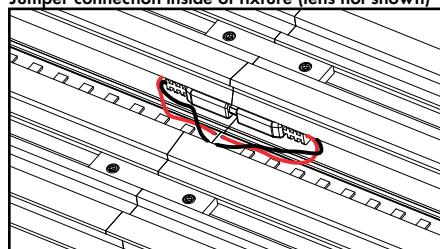
### LVSP-4T-BK

Low Voltage, 4 Terminal Splice Box, Black, IP20



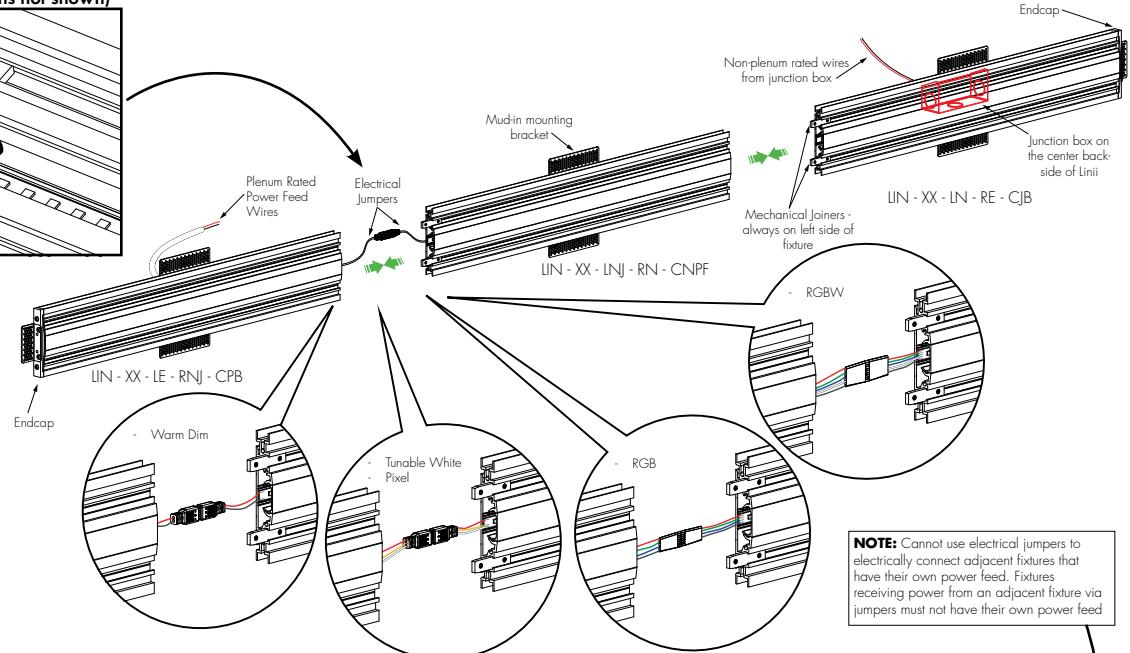
## Sample Layout of Power Feed

Jumper connection inside of fixture (lens not shown)

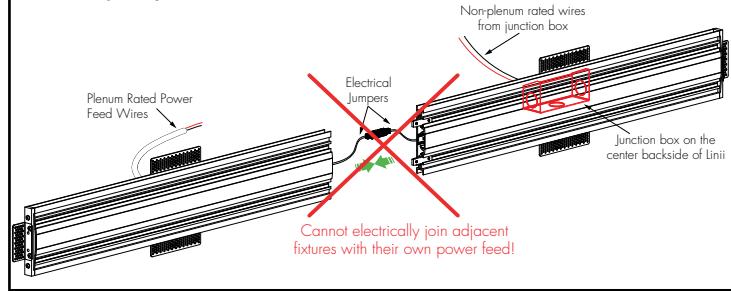


Pixel Data Direction (away from power supply)

NOTE: When ordering continuous runs with RGBWX18SO or RGBX18SO pixel output option, power must come from one direction only.



### Invalid Sample Layout of Power Feed

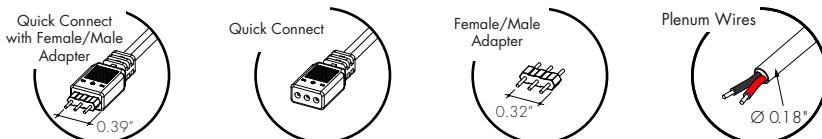


## Powerfeeds and Connectors

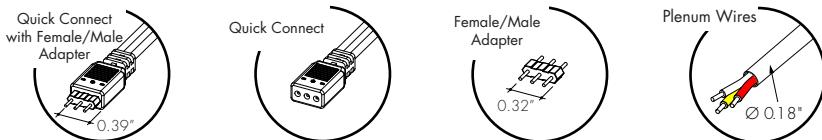
### Linking and Extension Cable Options

Jumpers, Adapters, and Lead Wires are included

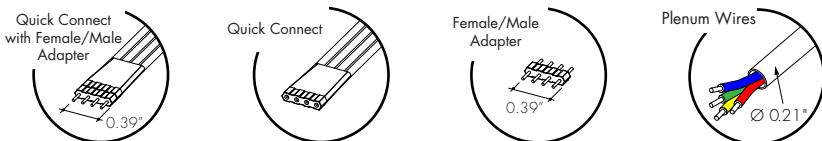
#### For use with Warm Dim (WD51):



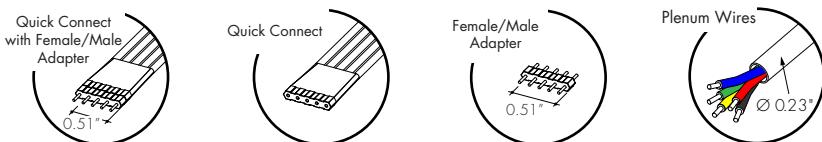
#### For use with Tunable White (TW51), RGB Pixel (RGBX18) and RGBW Pixel (RGBWX18):



#### For use with RGB (RGB42):

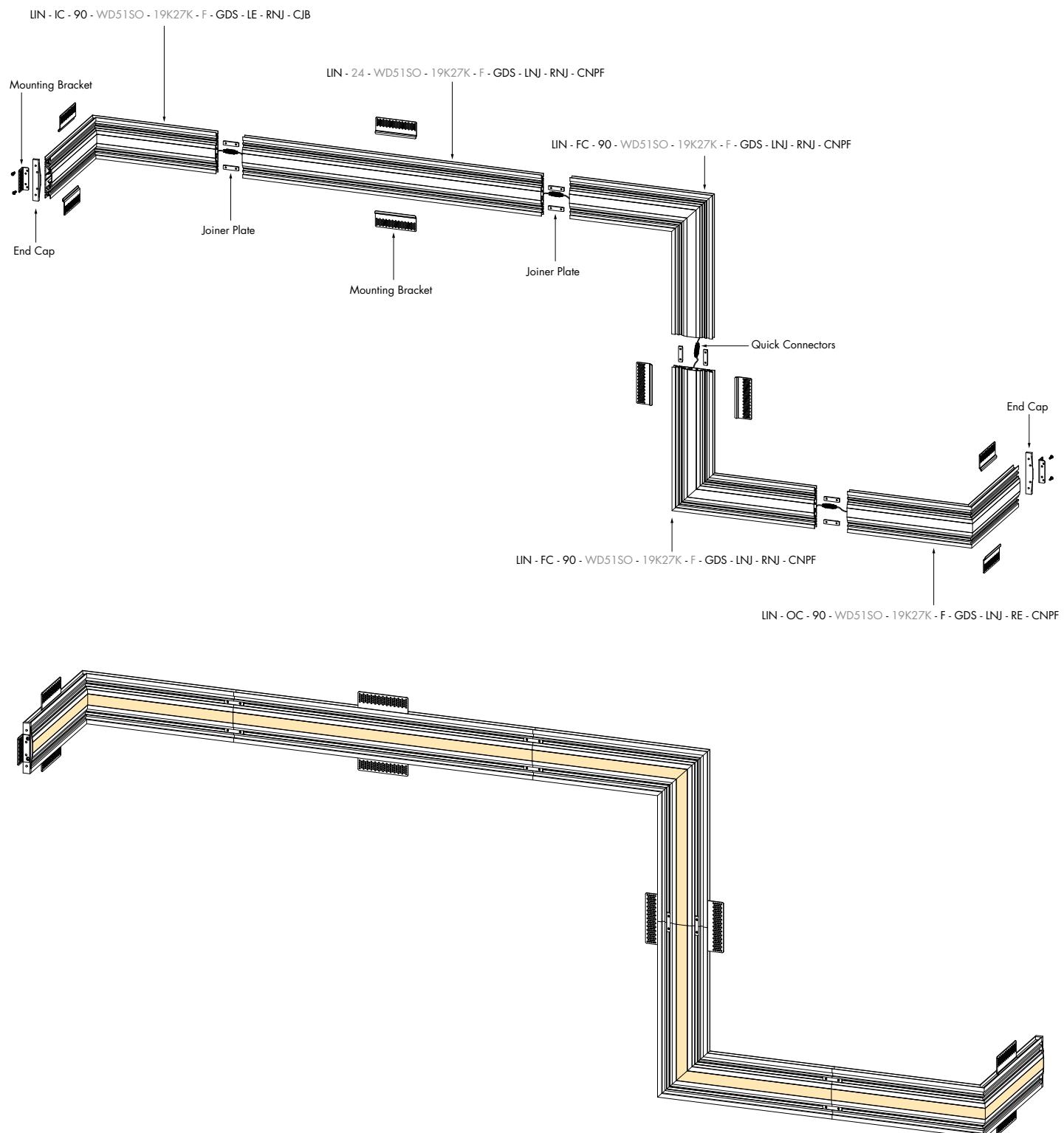


#### For use with RGBW (RGBW36):



### Layout Example

Corner types and straight runs are ordered individually



NOTE: When ordering continuous runs with RGBW18SO or RGBX18SO pixel output option, power must come from one direction only.

## Light Transmission and Dotting

Output Options	Lens/Accessory							
	Frosted Lens				Frosted Silicon Lens			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%
WD51SO	ND	ND	ND	ND	ND	ND	ND	ND
WD51HO	ND	ND	ND	ND	ND	ND	ND	ND
WD51VHO	ND	ND	ND	ND	ND	ND	ND	ND
TW51SO (All On)	ND	ND	ND	ND	ND	ND	ND	ND
TW51HO (All On)	ND	ND	ND	ND	ND	ND	ND	ND
TW51VHO (All On)	ND	ND	ND	ND	ND	ND	ND	ND
TW51SO (1 CH)	ND	ND	ND	ND	ND	ND	ND	ND
TW51HO (1 CH)	ND	ND	ND	ND	ND	ND	ND	ND
TW51VHO (1 CH)	ND	ND	ND	ND	ND	ND	ND	ND
TW51X2VHO (All On)	ND	ND	ND	ND	ND	ND	ND	ND
TW51X2VHO (1 CH)	ND	ND	ND	ND	ND	ND	ND	ND
RGBW36SO	ND	ND	ND	ND	ND	ND	ND	ND
RGBW36HO	ND	ND	ND	ND	ND	ND	ND	ND
RGB42SO	ND	ND	ND	ND	ND	ND	ND	ND
RGB42HO	ND	ND	ND	ND	ND	ND	ND	ND
RGBWX18SO	SD	SD	CD	CD	SD	SD	CD	CD
RGBX18SO	SD	SD	CD	CD	SD	SD	CD	CD
Transmission Percentage	100%				113%			



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

Use complete Dotting  
Chart Tool online  
for more dotting  
information



I'm also click-able

## Power Consumption

Please visit the link/QR code below to access the Luminii Power Consumption Chart tool on our website.

There you will be able to select your fixture, output, and desired power feed to get a full power consumption table.



Desired Nominal Length: \_\_\_\_\_

Desired Output: \_\_\_\_\_

Desired CCT: \_\_\_\_\_

I'm also click-able

## Voltage Drop Calculator

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

Wattage [W]	Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
<b>5</b>	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
<b>10</b>	544.1	342.2	215.1	135.3	85.1	53.5	33.7
<b>15</b>	362.7	228.1	143.4	90.2	56.7	35.7	22.4
<b>20</b>	272.0	171.1	107.6	67.7	42.6	26.8	16.8
<b>25</b>	217.6	136.9	86.1	54.1	34.0	21.4	13.5
<b>30</b>	181.4	114.1	71.7	45.1	28.4	17.8	11.2
<b>35</b>	155.5	97.8	61.5	38.7	24.3	15.3	9.6
<b>40</b>	136.0	85.5	53.8	33.8	21.3	13.4	8.4
<b>45</b>	120.9	76.0	47.8	30.1	18.9	11.9	7.5
<b>50</b>	108.8	68.4	43.0	27.1	17.0	10.7	6.7
<b>55</b>	98.9	62.2	39.1	24.6	15.5	9.7	6.1
<b>60</b>	90.7	57.0	35.9	22.6	14.2	8.9	5.6
<b>65</b>	83.7	52.6	33.1	20.8	13.1	8.2	5.2
<b>70</b>	77.7	48.9	30.7	19.3	12.2	7.6	4.8
<b>75</b>	72.5	45.6	28.7	18.0	11.3	7.1	4.5
<b>80</b>	68.0	42.8	26.9	16.9	10.6	6.7	4.2
<b>85</b>	64.0	40.3	25.3	15.9	10.0	6.3	4.0
<b>90</b>	60.5	38.0	23.9	15.0	9.5	5.9	3.7
<b>96</b>	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.

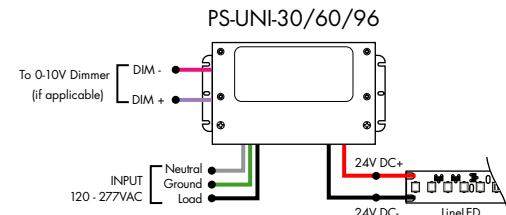
### For use with Warm Dim

#### Ordering Code - Universal Dimming Power Supplies 0.1% 120VAC - 277VAC

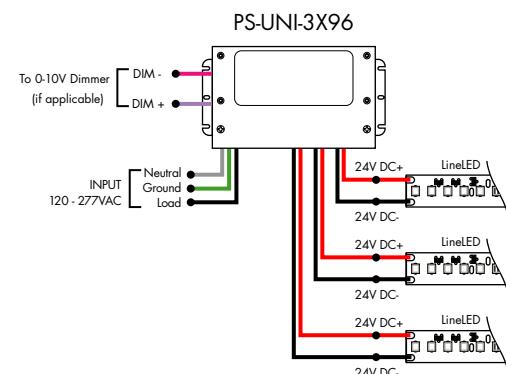
MODEL	INPUT CONTROL	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)	30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC

**Compatibility:** View a complete list of compatible dimmers on the PS-UNI product page.

0-10V - 0.1% dimming  
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

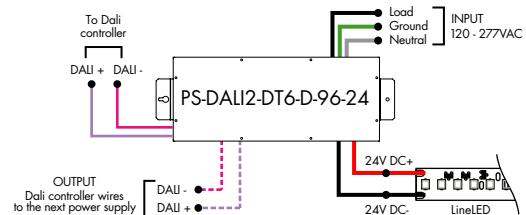


MODELS	PS-UNI-30W	PS-UNI-60W	PS-UNI-96W	PS-UNI-3X96W
<b>Length</b>	6.50"	7.40"	8.66"	11.85"
<b>Width</b>	3.73"	3.73"	3.73"	4.32"
<b>Depth</b>	1.61"	1.61"	1.61"	1.81"



#### Ordering Code - DALI 2 Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	DALI2-DT6-DALI2 DT6 (0.1%)	D-Dry	96 - 96 Watts	24 - 24 VDC



Model	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"

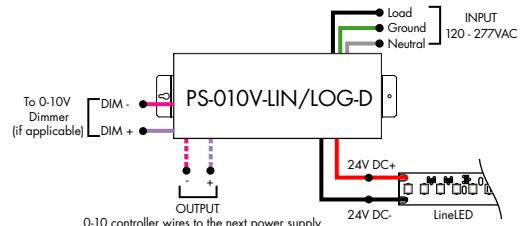
## Power Supplies

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

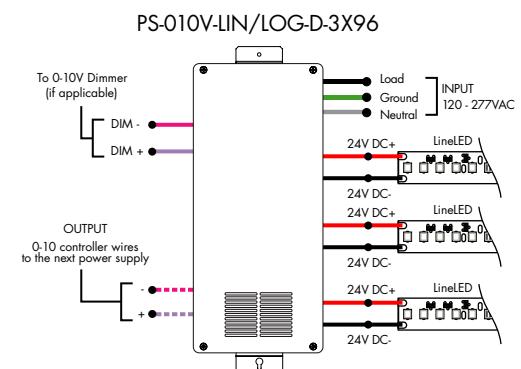
### For use with Warm Dim

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

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	010V-LIN-0-10V Dimming (0.1%), Linear 010V-LOG-0-10V Dimming (0.1%), Logarithmic	D-Dry	96-96 Watts 3x96-3x96 Watts	24-24 VDC

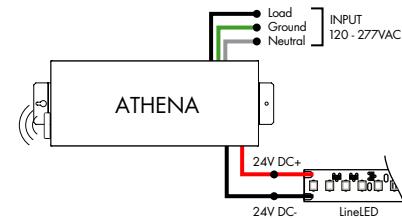


MODELS	96W	3X96
<b>Length</b>	14.40"	15.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.45"



#### Ordering Code - Athena 0-10V LED Driver

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	010V-LIN-0-10V Dimming (0.1%), Linear 010V-LOG-0-10V Dimming (0.1%), Logarithmic	D-Dry	96-96 Watts 3x96-3x96 Watts	24-24 VDC	AWNR-Athena



MODELS	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"

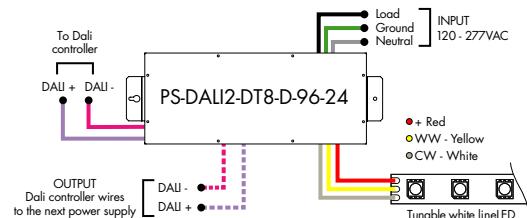
## Power Supplies

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

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

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DALI2-DT8 - DALI DT8 Tunable White (0.1%)	D - Dry	96 - 96 Watts	24 - 24 VDC



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

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

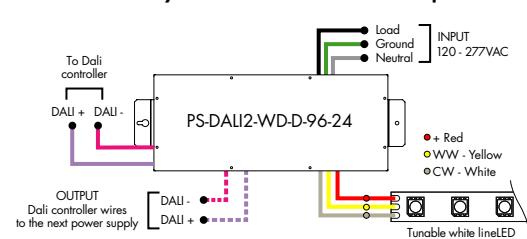
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	DALI2-DT8 - DALI DT8 Tunable White (0.1%)	D - Dry	96 - 96 Watts	24 - 24 VDC	AWNR - Athena



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

#### Ordering Code - DALI2 Dimming Power Supplies 0.1% 120VAC - 277VAC - for Dim-to-Warm functionality with Tunable White Output

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DALI2-WD - DALI2 DT6 WWarm Dim (0.1%)	D - Dry	96 - 96 Watts	24 - 24 VDC

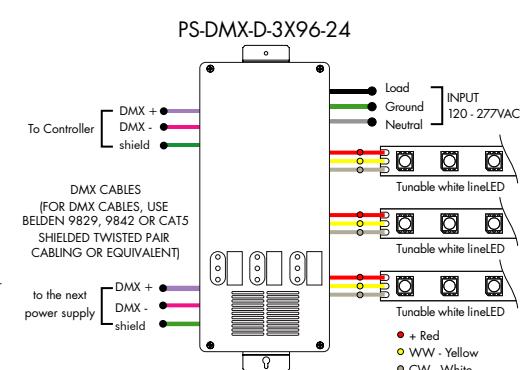
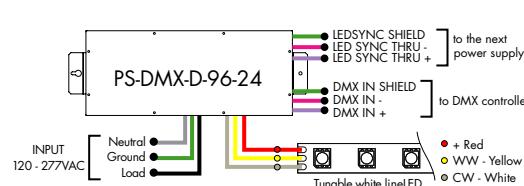


MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

#### 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

DMX CABLES  
(FOR DMX CABLES, USE BELDEN 9829, 9842, OR CAT5 SHIELDED TWISTED PAIR CABLING OR EQUIVALENT)



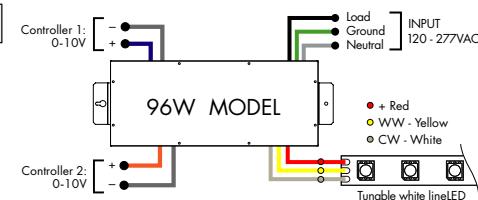
## Power Supplies

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

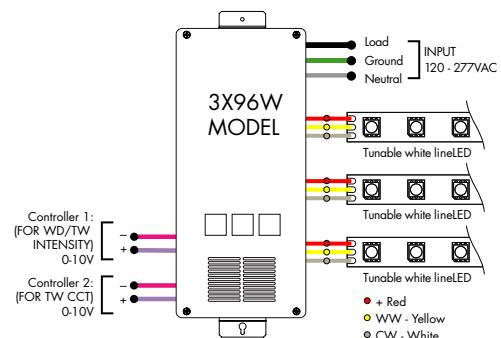
#### Ordering Code - VintageDim® 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	010V-WD - 0-10V Dimming (0.1%), Standard Warm Dim Curve (with Tunable White LED)	D - Dry	96 - 96 Watts 3X96 - 3x96 Watts <sup>1</sup>	24 - 24 VDC
	010V-TW - 0-10V Dimming (0.1%), Two Channel Control, Brightness and CCT1-CCT2 Ratio			
	010V-2CH - 0-10V Dimming (0.1%), Two Channel Control, LED1 Brightness and LED2 Brightness			
	010V-WDX - 0-10V Dimming (0.1%), Customizable Warm Dim Curve (with Tunable White LED)			
	010V-2CHX - 0-10V Dimming (0.1%), Two Channel Control, Customizable Brightness and CCT1-CCT2 Ratio			



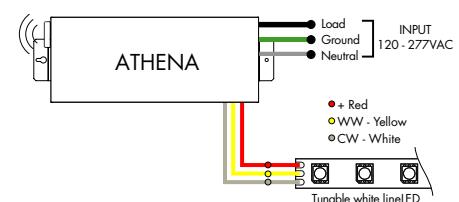
1 - 3x96 is only available with input control options 010V-WD and 010V-TW

MODELS	96W	3X96
<b>Length</b>	14.40"	15.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.56"



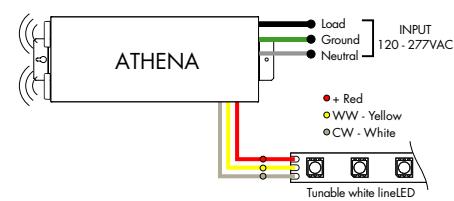
#### Ordering Code - Athena VintageDim® 0-10V Power Supply 0.1% 120VAC - 277VAC - for Dim-to-Warm functionality with Tunable White Output

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



#### Ordering Code - Athena VintageDim® 0-10V Two Channel LED Driver, 0.1% 120VAC - 277VAC

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



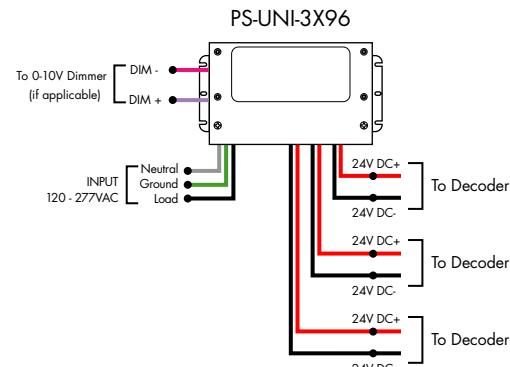
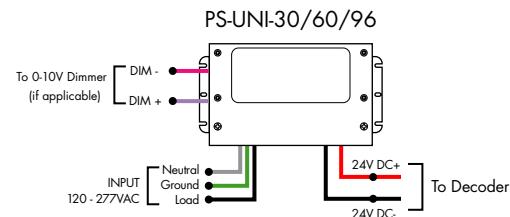
## Power Supplies

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

#### Ordering Code - Universal Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)	30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC



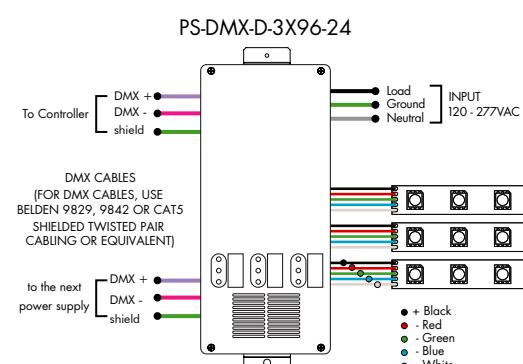
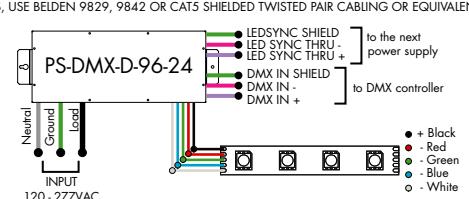
REQUIRES A CONTROLLER AND A DECODER TO WORK PROPERLY

### For use with RGB/RGBW

#### 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

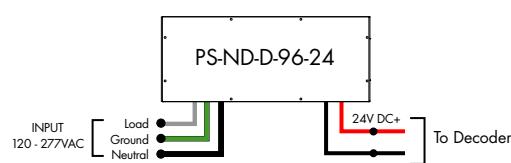
DMX CABLES (FOR DMX CABLES, USE BELDEN 9829, 9842 OR CAT5 SHIELDED TWISTED PAIR CABLING OR EQUIVALENT)



### For use with RGB/RGBW/Pixel

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

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - PSV Series	ND - Non Dimming	D - Dry	96 - 96 Watts	24 - 24 VDC



REQUIRES A CONTROLLER AND A DECODER TO WORK PROPERLY

## Controllers and Decoders

### For use with Tunable White Power Supplies



ORDERING CODE

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



ORDERING CODE

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



ORDERING CODE

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



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



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

ORDERING CODE

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

ORDERING CODE

MODEL

RGBW-SR

RGBW-SR - RGBW signal repeater

## Controllers and Decoders

### For use with RGB/RGBW Power Supplies



ORDERING CODE

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



ORDERING CODE

MODEL - ZONES - COLOR

DMX-DMX Controller

3Z-Three Zone Controller

1Z-One Zone

RGBW-Red,Green, Blue,&amp; 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



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 control 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

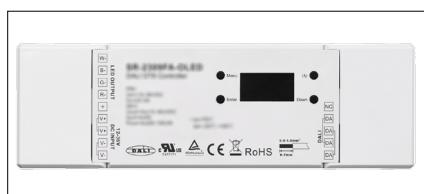
- DMX512 (1024 channels)

#### Color Parameters

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

## Controllers and Decoders

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



ORDERING CODE

MODEL

DALI2-DT8-RGBW

DALI2-DT8-RGBW - DALI-2 RGBW Decoder

A 4-channel DALI2 DT8 decoder designed to control RGB, RGBW, and TW LED fixtures, featuring adjustable color temperature and customizable lumen output.

**Voltage/Frequency**  
12-36VDC

**Ambient Operating Temperature Range**  
-20 to 50 °C

**Max Output Power**  
4 output channels, 60-180W each

**Environment**  
Dry (IP20)

**Max Output Current**  
4 output channels, max of 5A each



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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

**PWM Output Resolution Ratio**

8 or 16 bit

**Inputs**

RJ45, XLR-5Pin, Terminal Block

**PWM Output Frequency**

500Hz - 30KHz

**DMX Channels**

1 to 5 settable

**Output Dimming Curve Gamma Value**

0.1 ~ 9.9



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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

**Operating Temperature Range**

from -4°F to +122°F in case

**Power Supply**

PI-130-24 (included)

### For use with Pixel Power Supplies



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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