Luceo Suspended - Dynamic Color | Linear Illumination System
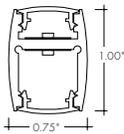
luminii

Indirect   Direct

Features

- Extruded aluminum linear suspension system providing both direct and indirect light
- 24VDC Class 2 fixtures made to order up to 96"
- Suitable for suspended mount applications
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- Direct lumens output is 42.5% of total lumens output from Technical Information.

- Warm Dim follows the incandescent dimming curve and is compatible with MLV, ELV, and Incandescent dimmers.
- Average Life (L70): 50,000hrs
- 7 Year warranty

Warm Dimming

1.00"
0.75"

Finish Options (see page 2 for additional information)

Base	▫ Silver Anodized	
Powder Coat	■ Black ■ Bronze	▫ White
Premium	▪ Matte Black ▫ Warm Nickel	▪ Aged Brass
	▫ Polished Gold ▪ Chrome	

Declare.   MADE IN U.S.A   RoHS   Single Bin +/- 30 CCT

cULus LISTED   DIM   CE

Technical Information

TYPE	Warm Dim		
OUTPUT OPTIONS	2x WD51 (18K-30K)		
	SO	HO	VHO
Lumens Output (All On w/ Frosted Lens)	169 lm/ft	356 lm/ft	506 lm/ft
Average Power Consumption (for a 4' section)	4.6 W/ ft	9.5 W/ ft	13.8 W/ ft
Efficacy	37 lm/W	37 lm/W	37 lm/W
Max Run Length (in series)	18.5 ft	11 ft	7.5 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°C)	-4°F – 104°F (-20°C – 40°C)	-4°F – 77°F (-20°C – 25°C)
Control/Dimming Protocol	0–10V, DALI, DALI2, MLV (Triac), ELV, Incandescent		

Warm Dim (WD51)

CCT		Multiplier (ref. - 18K30K)	TM-30			
			CRI	R_f	R_g	R_9
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

*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.
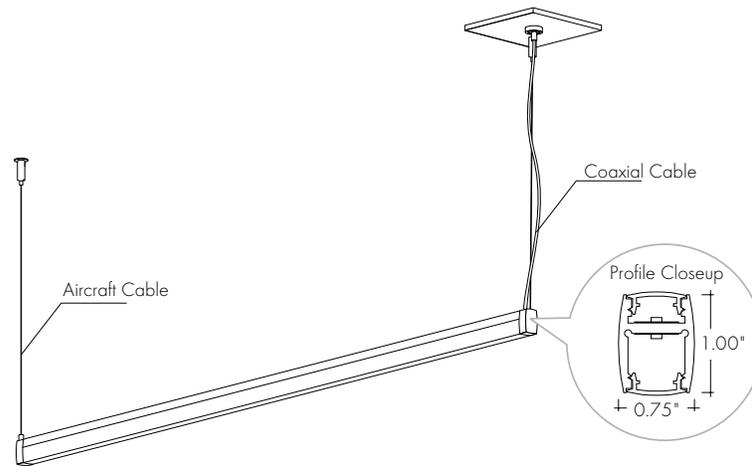
Ordering Code

MODEL	LENGTH[1]	OUTPUT	CCT	LENS	FINISH[2, 3]	POWERFEED
	-	-	-	-	-	-

LUC - Luceo

24"–96" 2" increments

WD51SO - Standard
WD51HO - High
WD51VHO - Very High

18K24K - 1800K - 2400K
18K27K - 1800K - 2700K
18K30K - 1800K - 3000K

F - Frosted

BASE
SA - Silver Anodized

POWDER COAT
BK - Black
BZ - Bronze
WH - White

PREMIUM
MBK - Matte Black
WN - Warm Nickel
AB - Aged Brass
PG - Polished Gold[4]
CH - Chrome[4]

R - Remote

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.
2 - Non Base finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
3 - White canopy included with all finishes except Black and Matte Black, which includes a Black canopy.
4 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".

Product Dimensions

Coaxial Cable

Aircraft Cable

Profile Closeup

1.00"

0.75"

Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Base 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.
- White canopy included with all finishes except Black and Matte Black, which include a Black canopy

Silver Anodized *Base*	**Black** *Powder Coat*	**Bronze** *Powder Coat*	**White** *Powder Coat*	**Matte Black** *Premium*
Silver Anodized is a soft silver with a clear finish.	Black is a true deep black with a glossy finish.	Bronze is a rich, dark brown with a satin finish.	White is a polar bright white and field paintable.	Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel *Premium*	**Aged Brass** *Premium*	**Polished Gold** *Premium*	**Chrome** *Premium*
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.	Aged Brass is a deep brown shade with slightly golden undertones.	Polished Gold is bright and radiant for a brilliant finish.	Chrome is a highly reflective silver polish.

Light Transmission and Dotting

Output Options	Lens/Accessory			
	CLQ Frosted Lens			
Dimming Level	100%	50%	10%	1%
WD51SO	ND	ND	ND	ND
WD51HO	ND	ND	ND	ND
WD51VHO	ND	ND	ND	ND
Transmission Percentage	100%			

Use complete Dotting Chart Tool online for more dotting information

I'm also click-able

CD - Clear Dotting

SD - Slight Dotting

ND - No Dotting

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, ouput, and desired power feed to get a full power consumption table.

I'm also click-able

Desired Nominal Length: _____

Desired Output: _____

Desired CCT: _____

Voltage Drop Calculator

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

Wattage [W]	Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
10	544.1	342.2	215.1	135.3	85.1	53.5	33.7
15	362.7	228.1	143.4	90.2	56.7	35.7	22.4
20	272.0	171.1	107.6	67.7	42.6	26.8	16.8
25	217.6	136.9	86.1	54.1	34.0	21.4	13.5
30	181.4	114.1	71.7	45.1	28.4	17.8	11.2
35	155.5	97.8	61.5	38.7	24.3	15.3	9.6
40	136.0	85.5	53.8	33.8	21.3	13.4	8.4
45	120.9	76.0	47.8	30.1	18.9	11.9	7.5
50	108.8	68.4	43.0	27.1	17.0	10.7	6.7
55	98.9	62.2	39.1	24.6	15.5	9.7	6.1
60	90.7	57.0	35.9	22.6	14.2	8.9	5.6
65	83.7	52.6	33.1	20.8	13.1	8.2	5.2
70	77.7	48.9	30.7	19.3	12.2	7.6	4.8
75	72.5	45.6	28.7	18.0	11.3	7.1	4.5
80	68.0	42.8	26.9	16.9	10.6	6.7	4.2
85	64.0	40.3	25.3	15.9	10.0	6.3	4.0
90	60.5	38.0	23.9	15.0	9.5	5.9	3.7
96	56.7	35.6	22.4	14.1	8.9	5.6	3.5

Power Supplies

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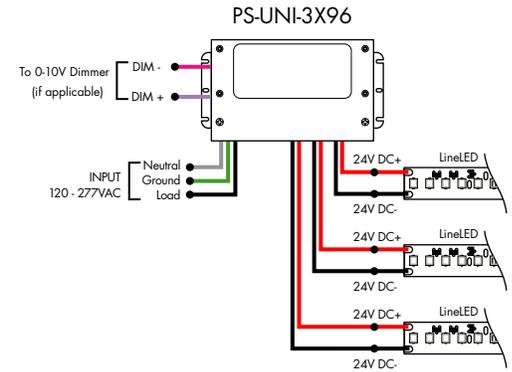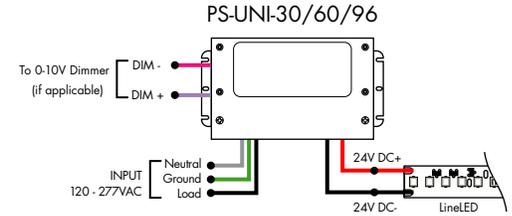
For use with Warm Dim

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
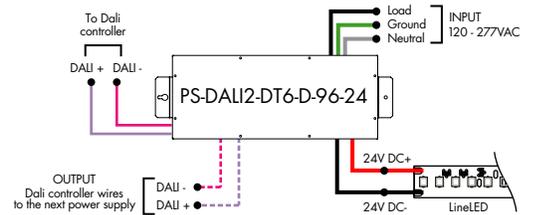**MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart**

MODELS	PS-UNI-30W	PS-UNI-60W	PS-UNI-96W	PS-UNI-3X96W
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"

PS-UNI-30/60/96

PS-UNI-3X96

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

PS-DALI2-DT6-D-96-24

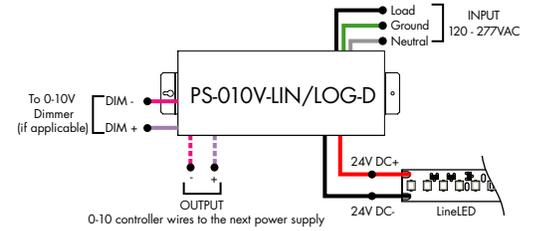| Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

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.
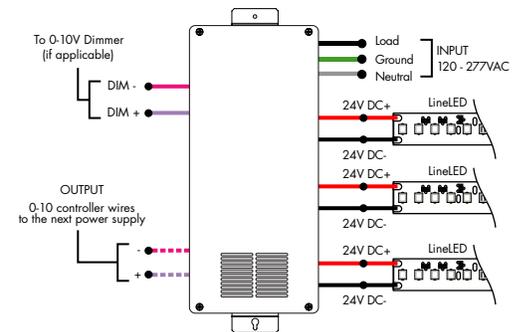
For use with Warm Dim

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
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.45"

PS-010V-LIN/LOG-D

PS-010V-LIN/LOG-D-3X96

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

24 - 24 VDC

AWNR - Athena

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

ATHENA