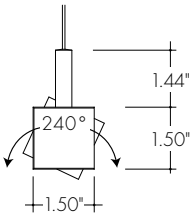
Features

- Extruded aluminum linear suspension fixture utilizing double rows of LEDs with Power Over Aircraft cable.
- Includes 8' silver adjustable cable and two white finish canopies
- Requires two junction boxes for split output connection
- 24VDC Class 2 fixtures made to order up to 120"
- Class 2 listed
- Dot free even illumination with frosted lens
- 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.
- Average Life (L70): 50,000hrs
- 7 year warranty

Warm Dimming



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

Technical Information

TYPE	Warm Dim		
OUTPUT OPTIONS	2x WD51 (18K-30K)		
	SO	HO	VHO
Lumens Output (All On w/ Frosted Lens)	282 lm/ft	593 lm/ft	844 lm/ft
Average Power Consumption (for a 4' section)	4.6 W/ ft	9.5 W/ ft	13.8 W/ ft
Efficacy	61 lm/W	62 lm/W	61 lm/W
Max Run Length (individual fixture)	12 ft	11 ft	7.5 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°C)		
Control/Dimming Protocol	0–10V, DALI, DALI2, MLV (Triac), ELV, Incandescent		

*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)

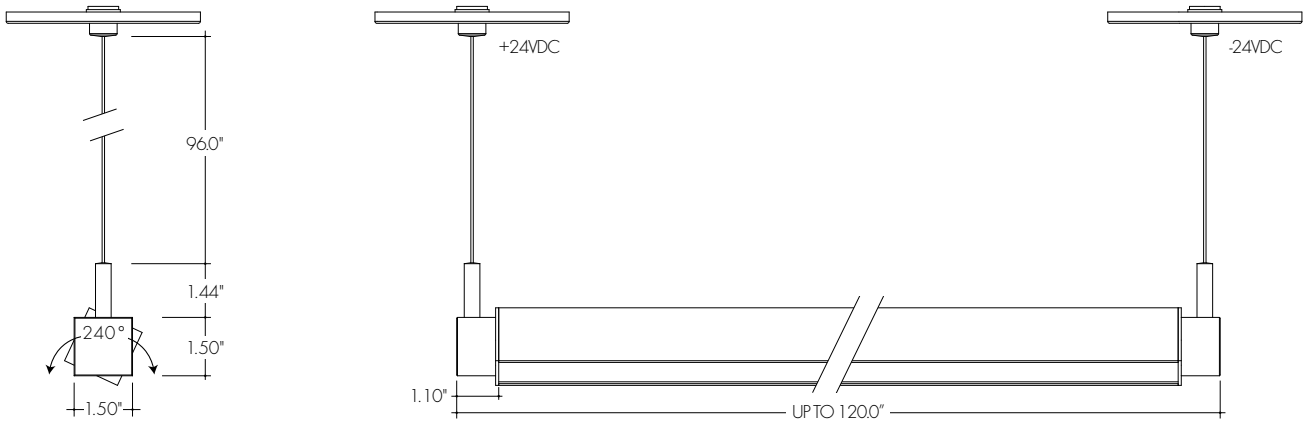
CCT		Multiplier (ref. - 18K30K)	TM-30			
			CRI	R_f	R_g	R_9
18K24K	1800K	0.90	92	85	91	86
	2400K		96	95	104	97
18K27K	1800K	0.97	92	85	91	86
	2700K		96	95	104	96
18K30K	1800K	1.00	92	85	91	86
	3000K		95	95	104	90

Ordering Code

MODEL	LENGTH[1]	OUTPUT[2]	CCT	LENS	ENDCAP	LIGHT DIRECTION	FINISH[3, 4]
KILOS - Kilo S Power Over Aircraft	12"–120" 2" increments	WD51SO - Standard WD51HO - High WD51VHO - Very High	18K24K - 1800K - 2400K 18K27K - 1800K - 2700K 18K30K - 1800K - 3000K	F - Frosted C - Clear	A - Adjustable	U - Up D - Down	*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[5] CH - Chrome[5]

1 - Custom lengths and increments are available, please consult factory with specific request.
2 - Title 24 JA8 achievable depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.
3 - Non Base finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
4 - White canopy included with all finishes except Black and Matte Black, which include a Black canopy.
5 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".

Product Dimensions



Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Silver Anodized finishes may have extended lead times and price adder.
- Polished Gold and Chrome finishes have a maximum fixture length of 96".
- 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*

Silver Anodized is a soft silver with a clear finish.

Black *Powder Coat*

Black is a true deep black with a glossy finish.

Bronze *Powder Coat*

Bronze is a rich, dark brown with a satin finish.

White *Powder Coat*

White is a polar bright white and field paintable.

Matte Black *Premium*

Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel *Premium*

Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass *Premium*

Aged Brass is a deep brown shade with slightly golden undertones.

Polished Gold *Premium*

Polished Gold is bright and radiant for a brilliant finish.

Chrome *Premium*

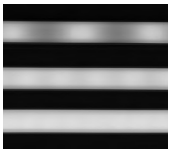
Chrome is a highly reflective silver polish.

Light Transmission and Dotting

	Lens/Accessory							
Output Options	**Clear Lens**				**Frosted Lens**			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%
WD51SO	CD	CD	CD	CD	ND	ND	ND	ND
WD51HO	CD	CD	CD	CD	ND	ND	ND	ND
WD51VHO	CD	CD	CD	CD	ND	ND	ND	ND
Transmission Percentage	114%				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

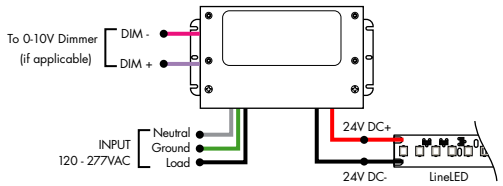
MODEL		INPUT CONTROL		WATTAGE		OUTPUT
	–		–		–	
PS - Power Supply, 120-277VAC		**UNI** - 0-10V Dimming (0.1%), Phase Dimming (0.1%)		**30** - 30 Watts **60** - 60 Watts **96** - 96 Watts **3x96** - 3x96 Watts		**24** - 24 VDC

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

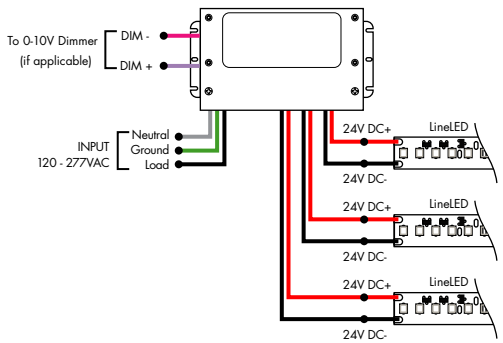
0-10V - 0.1% dimming
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

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

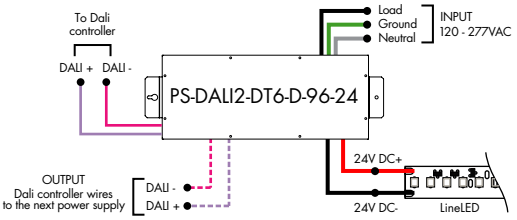


PS-UNI-3X96



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



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

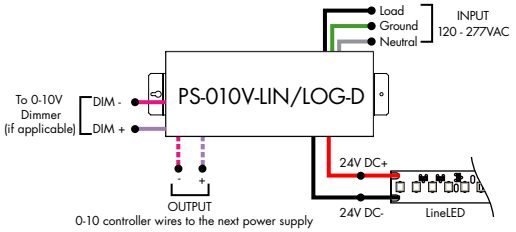
Power Supplies

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

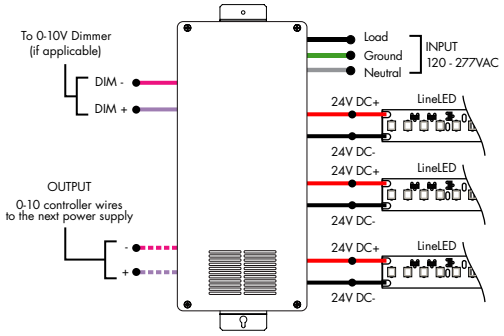
Ordering Code - 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

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"

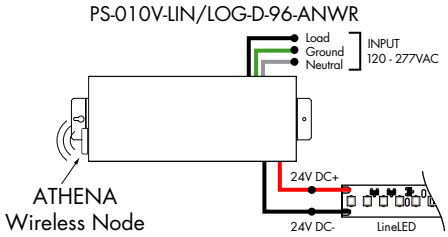
PS-010V-LIN/LOG-D-3X96



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 Wireless Node

PS-010V-LIN/LOG-D-96-ANWR



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