

IP65 IP67 IP68

Features

LLS36-WET projects light sideways instead of perpendicular to the surface. It's a great choice for bending around curved surfaces when upward or downward projection of light is desired.

To maintain IP65, IP67, and IP68 rating, LineLED Wet Tube is factory sealed and bonded. Order in exact lengths required for install, LineLED Wet Tube is not field cuttable. IP rating of strip is equal to the lowest IP rating of section start and end options.

Mounting
LLED strip is equipped with 3M™ adhesive transfer tape (9472LE).

Applications
Outdoor and wet locations - cove lighting, architectural accent, handrail, wet bars

Approvals
IP65, IP67, and IP68 rated

Operating voltage
24 VDC

Average Life (L70)
50,000 hours

Warranty
3 years

Declare. CE Single Bin +/- 30 CCT LM80 RoHS c UL us LISTED TITLE 24 JA8 COMPLIANT DIM

Technical information

TYPE	LLS36
Light output (3000K)	142 lm/ft
Average power consumption	2.9 W/ft
Ordering Increment (in)	1.97"
Pitch length	0.33"
Efficacy	49 lm/W
Maximum run length (in series)	32 ft
Max Strip Length	16 ft
Dimensions	0.42" W x 0.16" H
Ambient Operating Temperature Range*	-5°F – 125°F (-20°C – 50°C)

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

Section Start/End Options

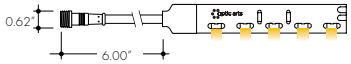
SL65
72" Soldered Leads, IP65 rated



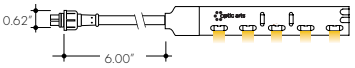
SL68
72" Soldered Leads, IP68 rated



LM
Male Quick Connect End, IP67 rated



LF
Female Quick Connect End, IP67 rated



NC
No Connector



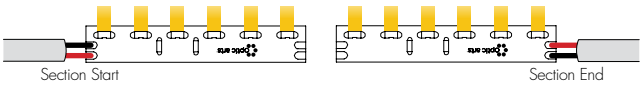
IP65 rated when used with SL65 selection



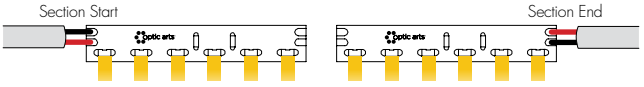
IP68 rated when used with SL68 selection
IP67 rated when used with M or F selection

Positions

LT
Led top



LB
Led bottom



Ordering code

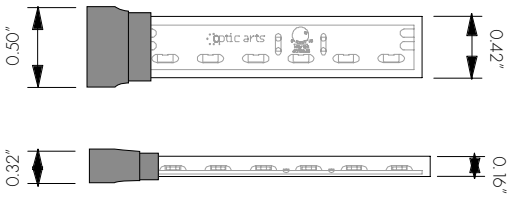
MODEL	CCT	LED POSITION	SECTION START[1]	SECTION END[1]	LENGTH
LLS36-WET-LineLED LLS36 Wet	27K-2700K 30K-3000K 60K-6000K	LT-LED Top LB-LED Bottom	SL65-IP65 Soldered lead wires (72") SL68-IP68 Soldered lead wires (72") SL-Soldered lead wires (72") LF-IP67 Female Quick Connect LM-IP67 Male Quick Connect NC-No Connector	SL65-IP65 Soldered lead wires (72") SL68-IP68 Soldered lead wires (72") SL-Soldered lead wires (72") LF-IP67 Female Quick Connect LM-IP67 Male Quick Connect NC-No Connector	Lengths specified to the inch; ordering code rounded up to one-foot increments. See chart above for max run length

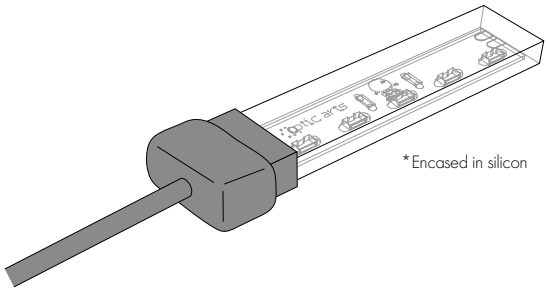
1- IP rating of strip is equal to the lowest IP rating of section start and end options.

Optic Arts® cuts all LLS36-WET to length per customer specifications. Each length of LLS36-WET is fitted with a 6'(1.8M) wire lead (custom lengths available upon request) and packaged on a reel in an anti-static bag. Bags are labeled with fixture type, length and location (if applicable). Each piece of channel is labeled with fixture type, length and location (if applicable), and is bundled by fixture type.

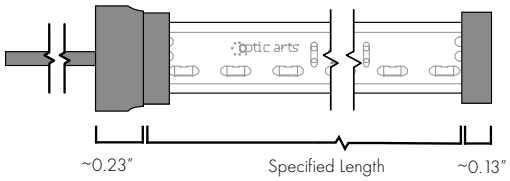
- Due to the nature of the LLS36-WET product, specific lengths may not fall exactly on a cutting point. In this case, Optic Arts® will always cut to the smaller dimension unless otherwise specified.
- Some on-site assembly required. See installation guides for details.

LLS36-WET



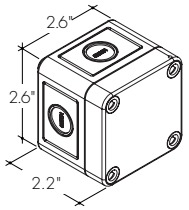


Width	0.42" (11.0mm)
Height	0.16" (4.50mm)
Width (Endcap)	0.50" (12.70mm)
Height (Endcap)	0.32" (7.94mm)
Max Run Length	33.00' (6096.00mm)

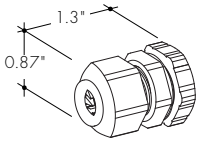


Accessories

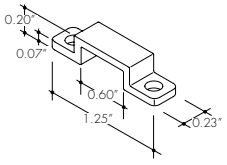
LVSP-WET
Splice box: wet rated, low voltage, gray, IP66



LVSP-WET-CM
Splice box connector, low voltage, gray

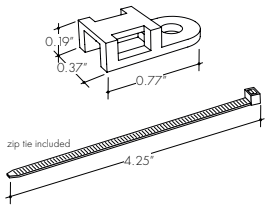


CL2
Silicon mounting Clip



recommended at every 12" when LineLED strip is facing down.

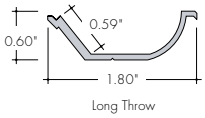
LL.ZIP
Cable/Wire Strain relief clip



Lens Options / Light Transmission

CLT CHANNEL
-CLTC
(Link to Web)



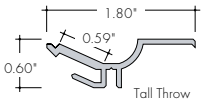


Lens	No Lens
Transmission %	100%
Dotting*	CD

*At 100% brightness

CTT CHANNEL
-CTTC
(Link to Web)



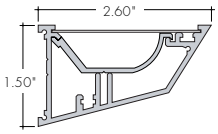


Lens	No Lens
Transmission %	100%
Dotting*	CD

*At 100% brightness

MCAL CHANNEL
-MCALC
(Link to Web)





Lens	Long Throw	Tall Throw
Transmission %	91%	91%
Dotting*	CD	CD

*At 100% brightness

Power Consumption

Tested at full power with PDC Series power supplies.

LLS36-WET

Nominal Length	W/ft	Total Wattage	Nominal Length	W/ft	Total Wattage
1	3.0	3.0	**17**	2.8	47.8
2	3.0	6.1	**18**	2.8	50.3
3	3.0	9.0	**19**	2.8	52.8
4	3.0	12.0	**20**	2.8	55.3
5	3.0	14.9	**21**	2.8	57.8
6	3.0	17.8	**22**	2.7	60.2
7	3.0	20.7	**23**	2.7	62.6
8	2.9	23.5	**24**	2.7	65.0
9	2.9	26.3	**25**	2.7	67.4
10	2.9	29.1	**26**	2.7	69.7
11	2.9	31.9	**27**	2.7	72.0
12	2.9	34.6	**28**	2.7	74.2
13	2.9	37.3	**29**	2.6	76.5
14	2.9	39.9	**30**	2.6	78.7
15	2.8	42.6	**31**	2.6	80.8
16	2.8	45.2	**32**	2.6	83.0

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 Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

For use with Static White

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

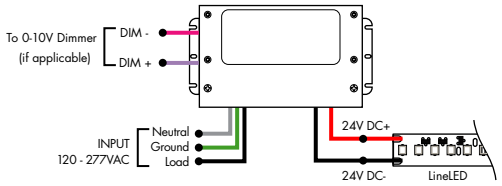
MODEL		INPUT CONTROL		WATTAGE		OUTPUT
	–		–		–	
PS - Power Supply, 120-277VAC		UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)		30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts		24 - 24 VDC

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

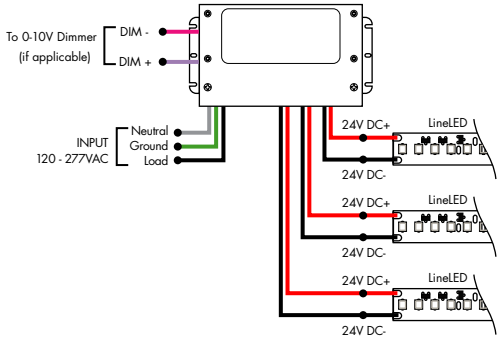
0-10V - 0.1% dimming
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

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

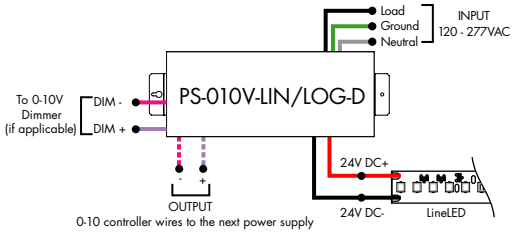


For use with Static White

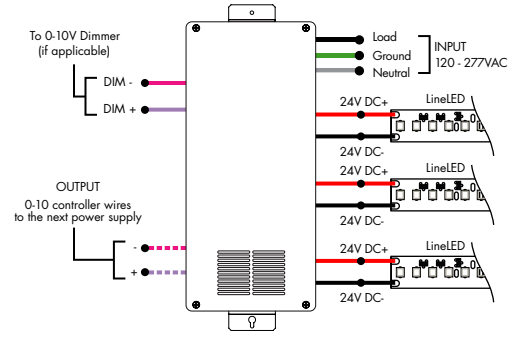
Ordering Code - 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

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



Power Supplies

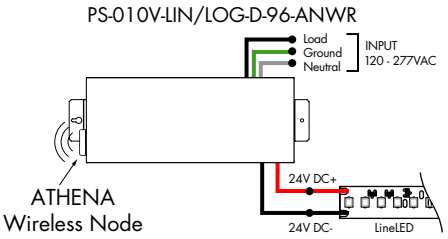
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

For use with Static White

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

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

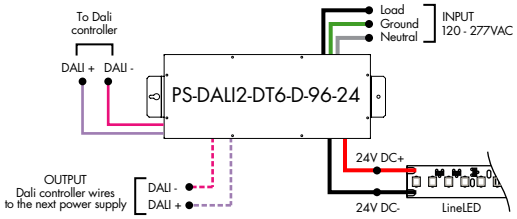


For use with Static White

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"

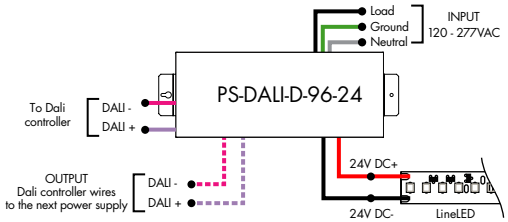


For use with Static White

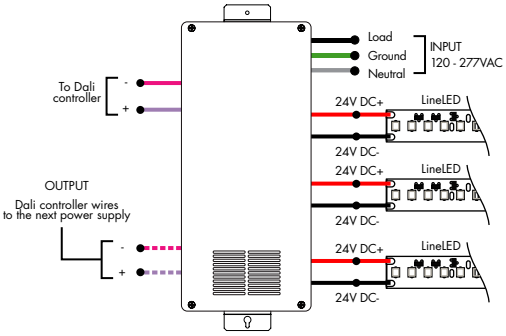
Ordering Code - DALI Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DALI - DALI (0.1%)	D - Dry	96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC

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



PS-DALI-D-3X96-24



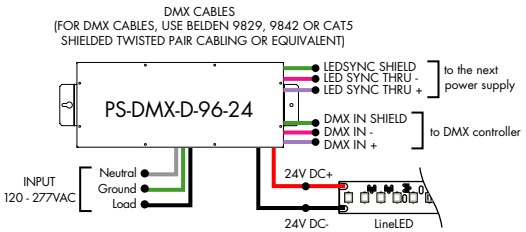
Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

For use with Static White

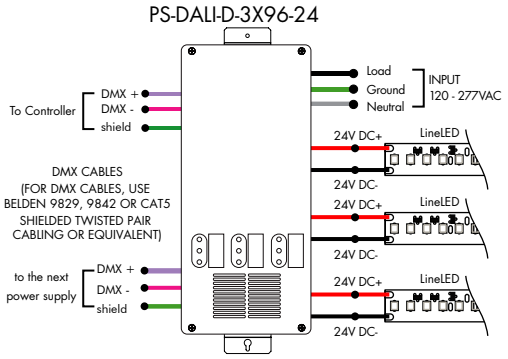
Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

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"

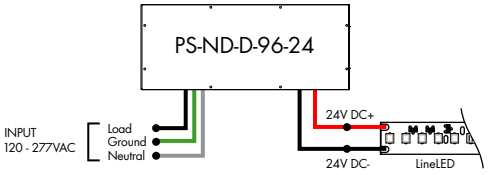
ZONAL CONTROL POWER SUPPLIES.
CONTROL MULTIPLE TAPES/ZONES USING DMX CHANNELS.



For use with Static White

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

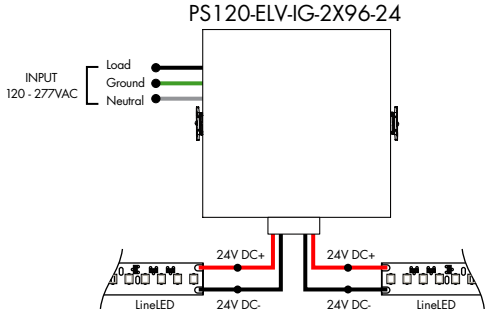


MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

For use with Static White

Ordering Code - In-Ground Power Supplies

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS120-Power Supply, 120VAC PS240-Power Supply, 240VAC PS277-Power Supply, 277VAC	ELV-ELV Dimming (1%)	IG-In Ground	2X96-2X96 Watts	24-24 VDC



MODELS	2X96W
Length	8.40"
Width	8.30"
Depth	8.10"

Power Supplies

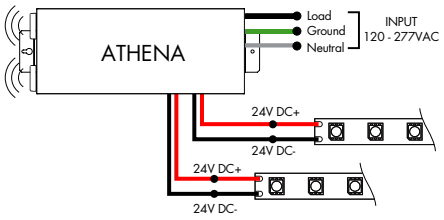
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

For use with Static White

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

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



LUTRON®

Luminii is a Lutron OEM Advantage Partner

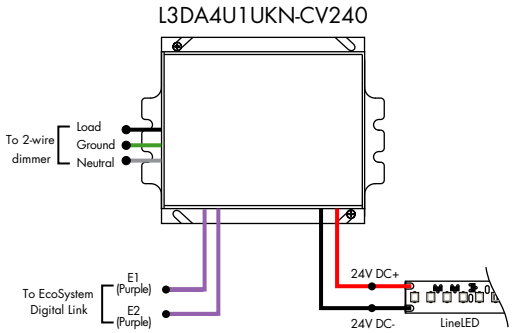
Lutron Power Supplies 1%

MODEL

L3DA4U1UKL-CV240

HiLume™ 1% EcoSystem Voltage LED driver 40W max

MODELS	L3DA4U1UKL-CV240
Length	4.98"
Width	4.00"
Depth	2.62"



LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 0.1%

MODEL

L3D0-96W24V-U

HiLume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™ 96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"

