

Features

LLS36 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.36 LEDs per foot.

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

Applications
Indoor only - millwork, cove, architectural reveals, undercabinet, display case, handrail, accent lighting.

Approvals
Class 2 damp listed Approved for closet/ storage space installation per NEC 410.16(A) (3) and 410.16(C)(5) on outputs 3.0 W/ft or less

Operating voltage
24 VDC

Average Life (L70)
50,000 hours

Warranty
7 years

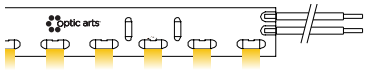
Technical Information

TAPE	LLS36
Light output (3000K)	142 lm/ft
Average power consumption (for a 4' section)	2.9 W/ft
Efficacy	49 lm/W
Cutting increment	1.97"
Pitch length	0.33"
Maximum run length (in series)	32 ft
Dimensions	0.39" W x 0.05" H
Ambient Operating Temperature Range*	-5°F – 125°F (-20°C - 50°C)

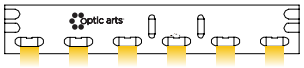
*Ambient Operating Temperature Range to maintain L70 of 50K+ hours in normal conditions. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquires.

Section Start/End Options

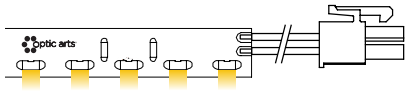
SL
Soldered lead wires (72")



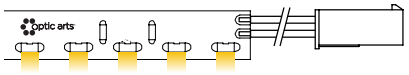
NC
No connector



LM
Lead Male 3" cable

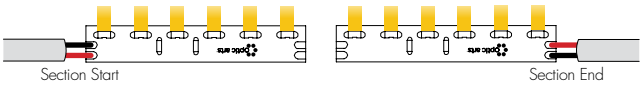


LF
Lead Female 3" cable

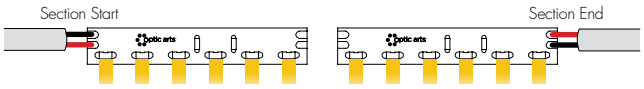


Positions

LT
LED top



LB
LED bottom



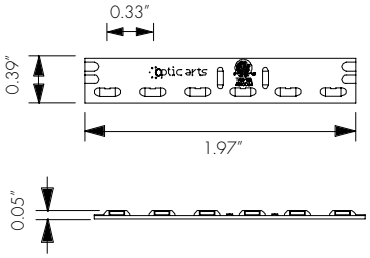
Ordering code

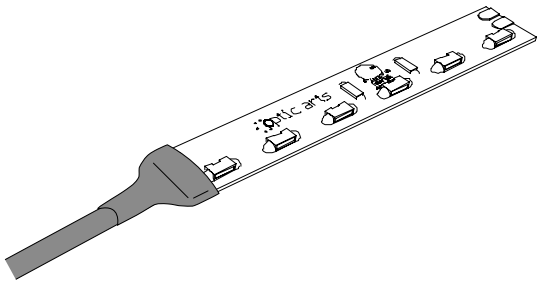
MODEL	CCT	LED POSITION	SECTION START	SECTION END	LENGTH
LLS36 - LineLED S36	27K - 2700K 30K - 3000K 35K - 3500K 60K - 6000K	LT - LED top LB - LED bottom	LF - Lead female LM - Lead male SL - Soldered lead wires (72") NC - No connector	LF - Lead female LM - Lead male SL - Soldered lead wires (72") NC - No connector	Lengths specified to the inch; ordering code rounded up to one-foot increments. See chart above for max run length

Optic Arts® cuts all LLS36 to length per customer specifications. Each length of LLS36 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.

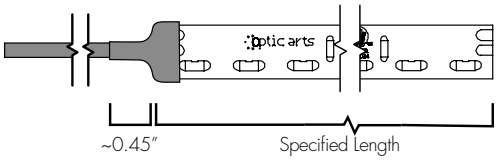
- Due to the nature of the LLS36 product, specific lengths may not fall exactly on a cutting point. In this case, Optic Arts® will always cut to the smaller dimension unless otherwise specified.
- Some on-site assembly required. See installation guides for details.

LLS36



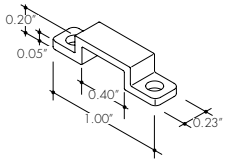


Width	0.39" (10.0mm)
Height	0.05" (1.4mm)
Cuttable Segment Length	1.97" (50.00mm)
Pitch Length	0.33" (8.25mm)
Max Run Length	32.00' (9753.6mm)



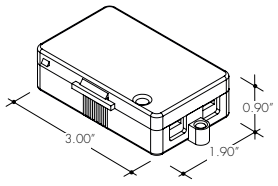
Accessories

CL1
Mounting clip

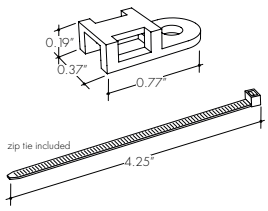


Recommended every 12" when LineLED strip is facing down

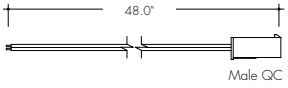
LVSP-4T-BK
Low Voltage, 4 Terminal Splice Box, Black, IP20



LL.ZIP
Cable/Wire Strain Relief Clip

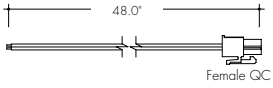


MOLEX-CON-LEAD-M-2-48
Molex Male Connector Cable, 2 pin, 48"



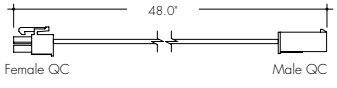
For power supply connection, not intended to be soldered to LED strip

MOLEX-CON-LEAD-F-2-48
Molex Female Connector Cable, 2 pin, 48"



For power supply connection, not intended to be soldered to LED strip

MOLEX-JC-F-M-2-48
Female/Male Jumper Cable, 2 pin, 48"

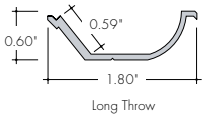


For connecting LED strips in series

Lens Options / Light Transmission

CLT CHANNEL
-CLTC
(Link to Web)



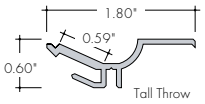


Lens	No Lens
Transmission %	100%
Dotting*	CD

*At 100% brightness

CTT CHANNEL
-CTTC
(Link to Web)



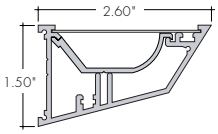


Lens	No Lens
Transmission %	100%
Dotting*	CD

*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

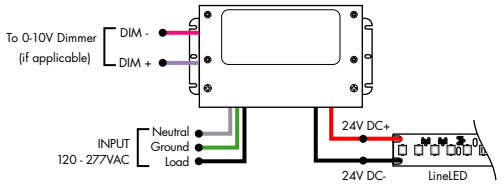
MODEL		INPUT CONTROL		WATTAGE		OUTPUT
	–		–		–	
PS - Power Supply, 120-277VAC		UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)		30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts		24 - 24 VDC

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

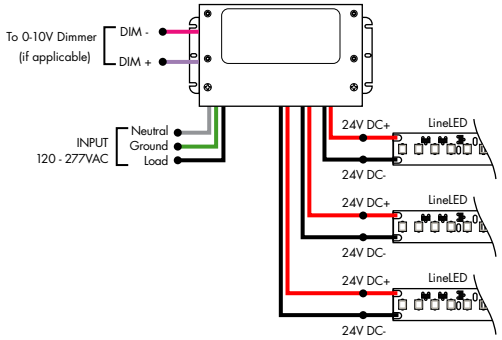
0-10V - 0.1% dimming
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

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

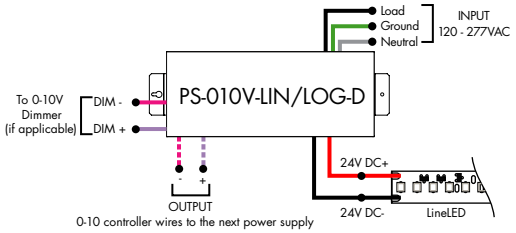


For use with Static White

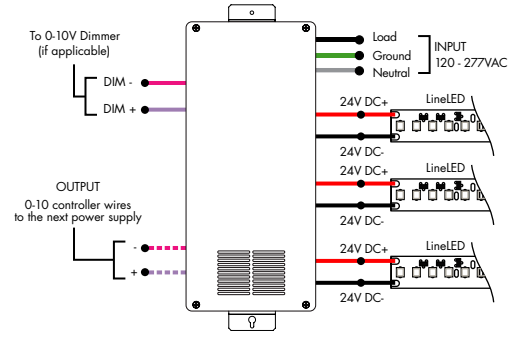
Ordering Code - 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

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.

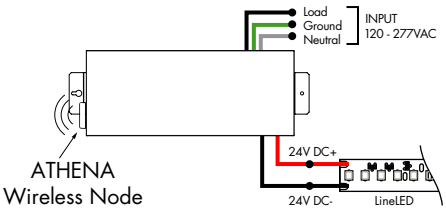
For use with Static White

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"

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

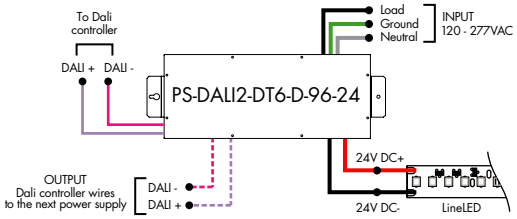


For use with Static White

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"

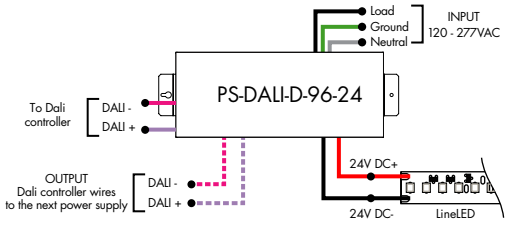


For use with Static White

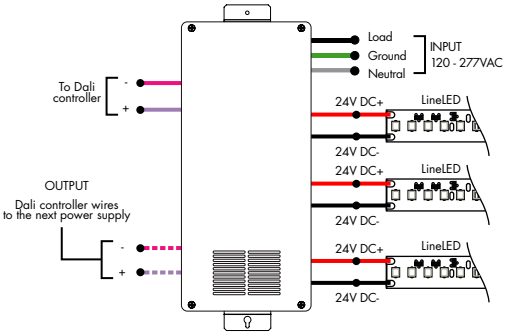
Ordering Code - DALI Dimming Power Supplies 0.1% 120VAC - 277VAC

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.

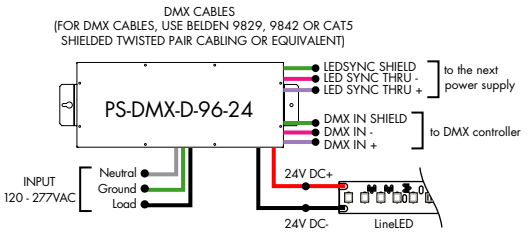
For use with Static White

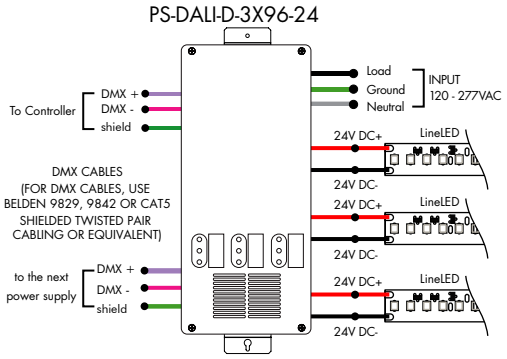
Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

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.



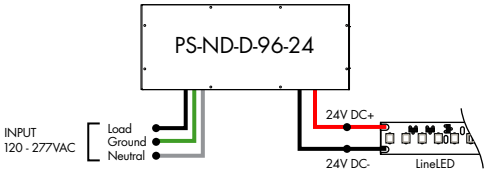


For use with Static White

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"

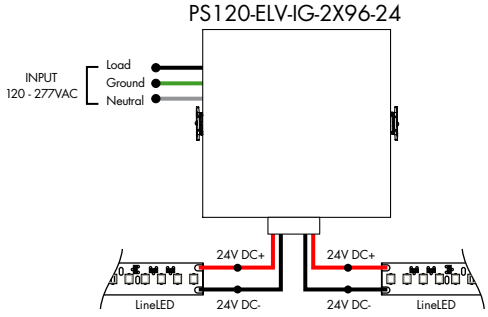


For use with Static White

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

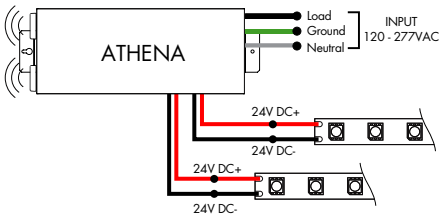
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

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

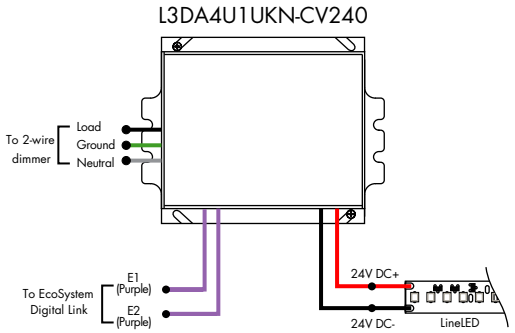
Lutron Power Supplies 1%

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"

