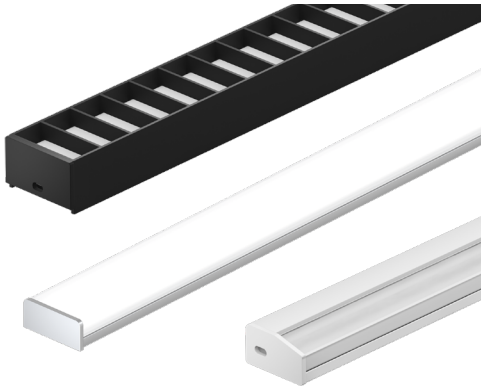
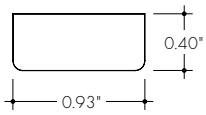


Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 90' depending on output
- Suitable for undercabinet, surface mount, and direct view applications
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- Average Life (L70): 50,000hrs
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- Vibrant Color options offer premium quality and vibrant colors with R9 values up to 98
- High Efficacy options offer best in class output and efficacy with over 890 lm/ft and up to 105 lm/W
- 7 Year warranty



Finish Options (see page 3 for additional information)

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

Technical Information

TYPE	Vibrant Color VC72						
OUTPUT OPTIONS	**VC72VLO**	**VC72LO**	**VC72SO**	**VC72MO**	**VC72HO**	**VC72VHO**	**VC72XHO**
Lumens Output (3000K) (with a Frosted Lens)	84 lm/ft	213 lm/ft	284 lm/ft	375 lm/ft	453 lm/ft	603 lm/ft	719 lm/ft
Average Power Consumption (for a 4' section)	1.1 W/ft	2.8 W/ft	3.7 W/ft	4.9 W/ft	5.9 W/ft	7.9 W/ft	9.9 W/ft
Efficacy	76 lm/W	76 lm/W	77 lm/W	77 lm/W	77 lm/W	76 lm/W	73 lm/W
Max Run Length (in series)	56.9 ft	32 ft	28 ft	24 ft	21 ft	18 ft	12 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°C)					-4°F – 95°F (-20°C – 35°C)	-4°F – 77°F (-20°C – 25°C)

*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.

Vibrant Color (VC72)

CCT	Multiplier (ref. - 30K)	TM-30 CRI	TM-30 R_f	TM-30 R_g	TM-30 R_9
1800K	0.50	95	94	99	86
2200K	0.66	96	94	101	95
2400K	0.90	98	96	101	91
2700K	0.93	98	96	102	93
3000K	1.00	97	94	104	99
3500K	1.04	96	94	105	97
4100K	1.05	97	95	104	96

TYPE	High Efficacy HE64						
OUTPUT OPTIONS	**HE64VLO**	**HE64LO**	**HE64SO**	**HE64MO**	**HE64HO**	**HE64VHO**	**HE64XHO**
Lumens Output (3000K) (with a Frosted Lens)	93 lm/ft	200 lm/ft	287 lm/ft	381 lm/ft	542 lm/ft	742 lm/ft	894 lm/ft
Average Power Consumption (for a 4' section)	1 W/ ft	1.9 W/ ft	2.9 W/ ft	3.8 W/ ft	5.6 W/ ft	7.1 W/ ft	8.9 W/ ft
Efficacy	93 lm/W	105 lm/W	99 lm/W	100 lm/W	97 lm/W	105 lm/W	100 lm/W
Max Run Length (in series)	90 ft	55 ft	34.9 ft	26 ft	17 ft	13 ft	10.3 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°C)					-4°F – 104°F (-20°C – 40°C)	-4°F – 86°F (-20°C – 30°C)

*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.

High Efficacy (HE64)

CCT	Multiplier (ref. - 30K)	TM-30 CRI	TM-30 R_f	TM-30 R_g	TM-30 R_9
2200K	0.74	94	91	96	65
2400K	0.87	94	92	97	56
2700K	0.97	94	92	100	57
3000K	1.00	93	91	99	54
3500K	1.01	95	91	99	62
4000K	1.04	95	91	99	68

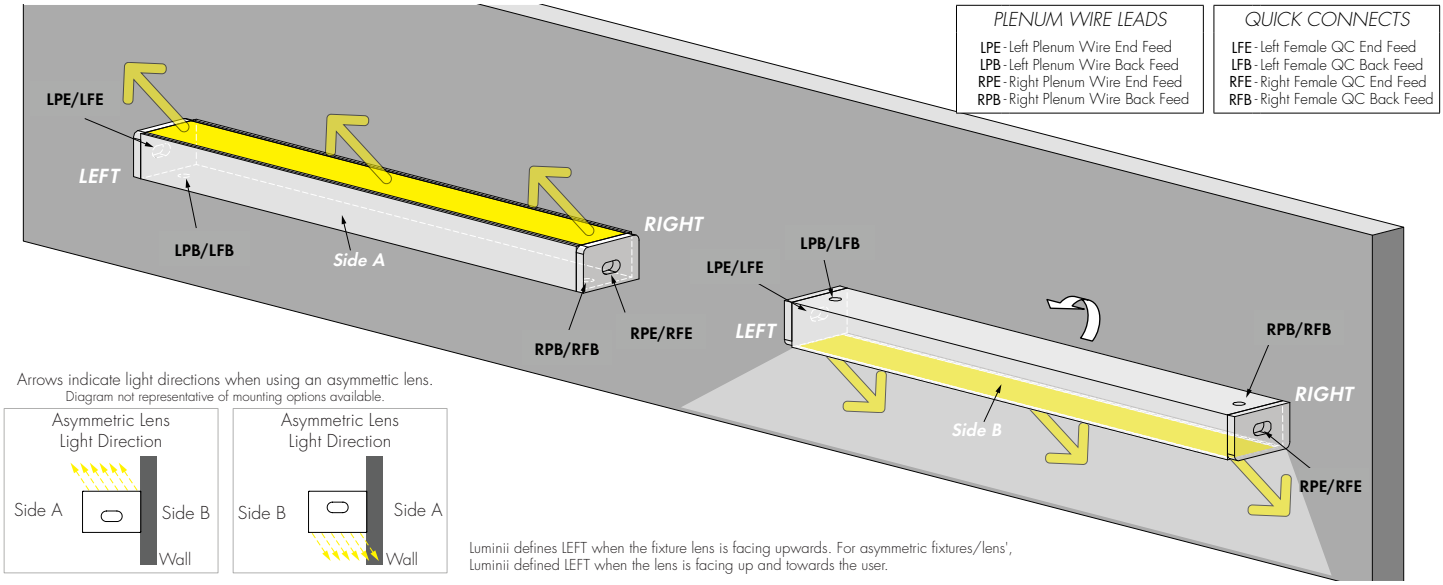
Ordering Code

MODEL	LENGTH[1]	OUTPUT[2]	CCT	LENS	MOUNTING	FINISH[3]	FEED POSITION LEFT[4]	FEED POSITION RIGHT[4]	ACCESSORIES[5]
Bar - Bara	12"–144" 1" increments	VC72VLO - Very Low VC72LO - Low VC72SO - Standard VC72MO - Medium VC72HO - High VC72VHO - Very High VC72XHO - Extreme	18K - 1800K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	F - Frosted N - Narrow Beam M - Medium BW - Batwing AS - Asymmetric[5]	FC - Fixed Clip MAG - Magnetic[6]	*BASE* SA - Silver Anodized *POWDER COAT* BK - Black[7] BZ - Bronze WH - White[7]	*PLENUM WIRE LEADS (72")* LPE - Plenum Wire End Feed LPB - Plenum Wire Back Feed LNPF - No Power Feed *QUICK CONNECTS (4")* LFE - Female Q/C, End Feed LFB - Female Q/C, Back Feed LNPF - No Power Feed	*PLENUM WIRE LEADS (72")* RPE - Plenum Wire End Feed RPB - Plenum Wire Back Feed RNPF - No Power Feed *QUICK CONNECTS (4")* RFE - Female Q/C, End Feed RFB - Female Q/C, Back Feed RNPF - No Power Feed	___ - N/A, leave blank BLBK - Blade louver, Black BLWB - Blade louver, White GSBK - Glare shield, Black GSWB - Glare shield, White
	12"–144" 2" increments	HE64VLO - Very Low HE64LO - Low HE64SO - Standard HE64MO - Medium HE64HO - High HE64VHO - Very High HE64XHO - Extreme	22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K			*PREMIUM* MBK - Matte Black WN - Warm Nickel AB - Aged Brass PG - Polished Gold[8] CH - Chrome[8]			

1 - Custom lengths and increments are available, please consult Inside Sales 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 - LNPF - RNPF is not a valid configuration option
5 - Louver Accessories are not compatible with Asymmetric lens.
6 - Magnetic mounting option is not compatible with the louvers.
7 - Black or White finish must be selected when ordering a louver or glare shield. See lens options on page 3.
8 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".

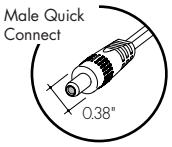
Powerfeeds and Connectors

Power Feed Position Options and Orientation

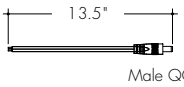


Powerfeeds and Connectors

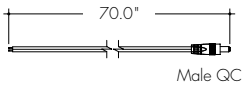
Linking and Extension Cable Options

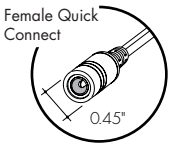


LMC-12
Male quick-connect, 2 pin, 12"

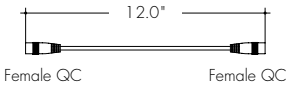


LMC-70
Male quick-connect long, 2 pin, 70"

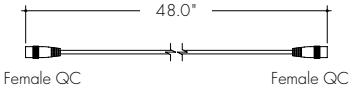




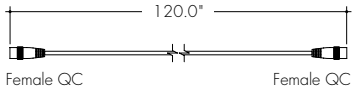
EC-12
Female to Female Extension Cable, 2 pin, 12"

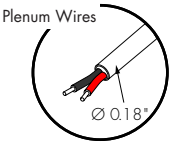


EC-48
Female to Female Extension Cable, 2 pin, 48"

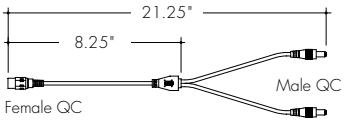


EC-120
Female to Female Extension Cable, 2 pin, 120"

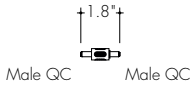




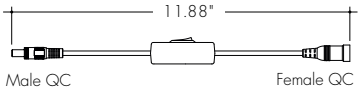
LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12"

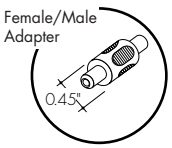


FMA
Female to male adapter

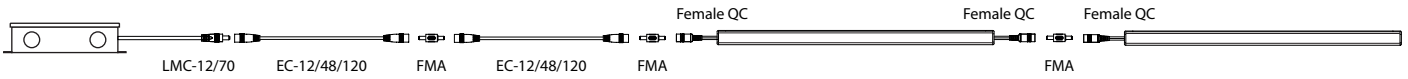


IS-DC
Male to Female Inline DC Switch, 2 pin, 12"

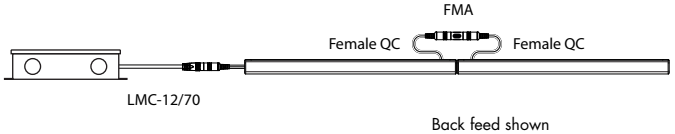




Sample Layout

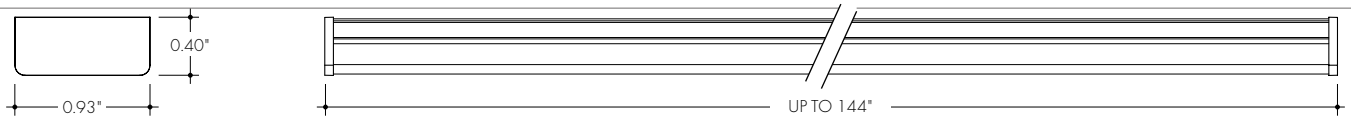


End feed shown



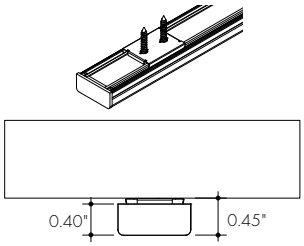
Back feed shown

Product Dimensions

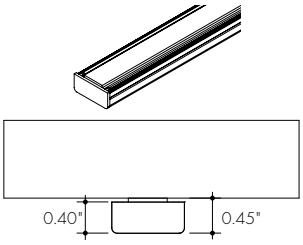


Mounting Clip Details

FC
Fixed Clip

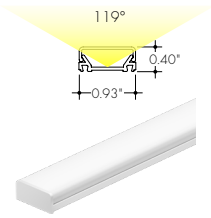


MAG
Magnetic Clip

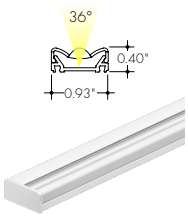


Lens Options

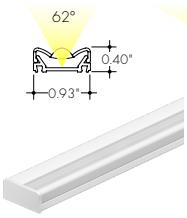
F
Frosted Lens



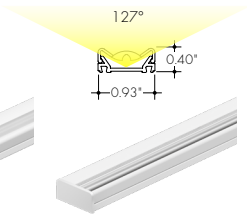
N
Narrow Beam Lens



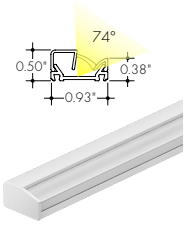
M
Medium Lens



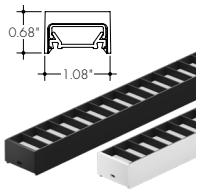
BW
Batwing Lens



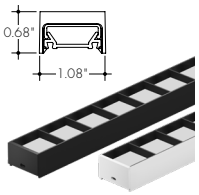
AS
Asymmetric Lens



BLXX
Blade Louver (frosted lens shown)



GSXX
Glare Shield (frosted lens shown)

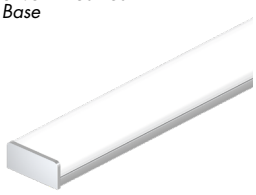


XX	Color
BK	All Black
WB	White Exterior, Black Interior

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 and Chrome finishes have a maximum fixture length of 96".
- Custom RALs are available, please consult Inside Sales with specific request.
- Narrow, Medium, Batwing, and Asymmetric lens offerings will always come with a white finish on the front reflector.

Silver Anodized
Base

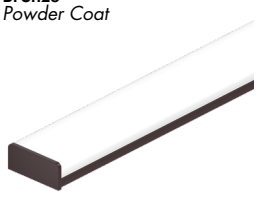


Silver Anodized is a soft silver with a clear finish.

Black
Powder Coat

Black is a true deep black with a glossy finish.

Bronze
Powder Coat

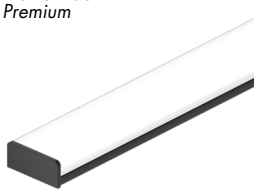


Bronze is a rich, dark brown with a satin finish.

White
Powder Coat

White is a polar bright white and field paintable.

Matte Black
Premium

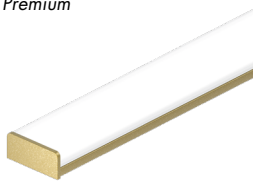


Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel
Premium

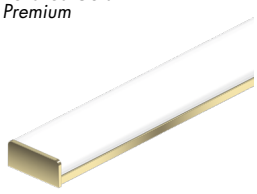
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

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.

Black with Narrow Beam

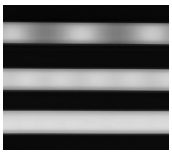
NOTE: Either a white finish or louver/ glare shield is recommended with these lens options.

Light Transmission and Dotting

	Lens/Accessory																			
Output Options	**Frosted Lens**				**Narrow Beam Lens**				**Medium Lens**				**Batwing Lens**				**Asymmetric Lens**			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%
VC72VLO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
VC72LO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
VC72SO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
VC72MO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
VC72HO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
VC72VHO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
VC72XHO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
HE64VLO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
HE64LO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
HE64SO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
HE64MO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
HE64HO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
HE64VHO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
HE64XHO	ND	ND	ND	ND	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
Transmission Percentage	100%				96%				87%				114%				86%			
Transmission Percentage With Blade Louver	39%				53%				46%				46%				Not Compatible			
Transmission Percentage With Glare Shield	54%				73%				66%				64%				Not Compatible			

Use complete Dotting Chart Tool online for more dotting information

I'm also click-able



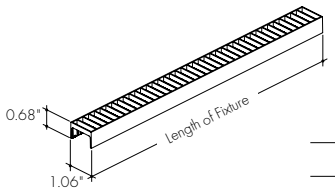
CD - Clear Dotting

SD - Slight Dotting

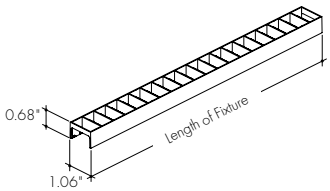
ND - No Dotting

Accessory Options

LV-BL-BARC-24-XX
Blade Louver reduces glare at high angle in two directions
Also available with complete fixture, use ordering code **-BLXX**

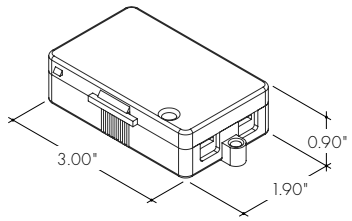


LV-GS-BARC-24-XX
Glare Shield reduces glare at high angle, field cuttable.
Also available with complete fixture, use ordering code **-GSXX**

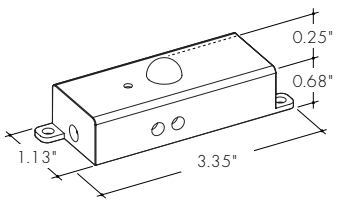


XX	Color
BK	All Black
WB	White Exterior, Black Interior

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

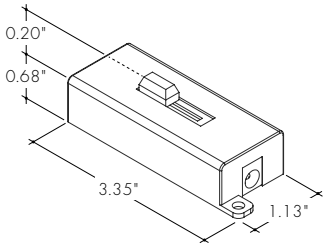


OS-DC-F4-BK
Occupancy Sensor



Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output.

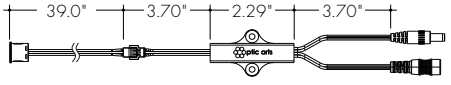
DIM-DC-F4-BK
24VDC Low Voltage In-line Dimmer Module



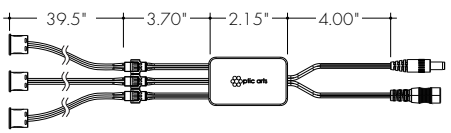
Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output.

NL.EX.D1.B & **NL.EX.D3.B**
Near Infrared Remote Door Sensor

NL.EX.D1.B - 1 IR Sensor



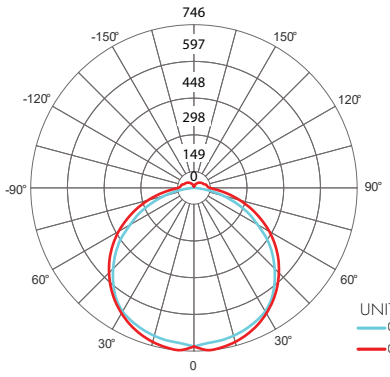
NL.EX.D3.B - 3 IR Sensor



Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output. For more information visit Sensor Spec Sheet (Link)

Photometry

BAR-48-72VHO-30K-F
Bara, 4ft, 3000K, VHO, Frosted Lens

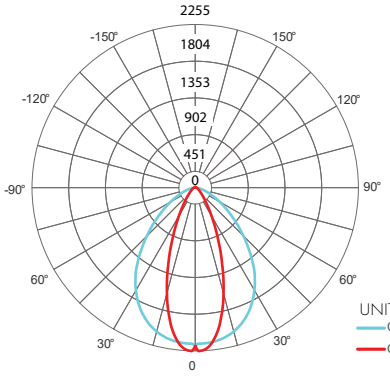


Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	145	24%
	0-40	241	40%
	0-60	436	72%
	0-90	570	95%
Total	0-180	603	100%

Beam Angle
119°

BAR-48-72VHO-30K-N
Bara, 4ft, 3000K, VHO, Narrow Beam

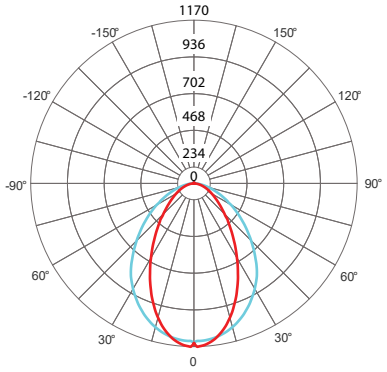


Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	296	51%
	0-40	404	70%
	0-60	529	91%
	0-90	575	99%
Total	0-180	581	100%

Beam Angle
36°

BAR-48-72VHO-30K-M
Bara, 4ft, 3000K, VHO, Medium Lens

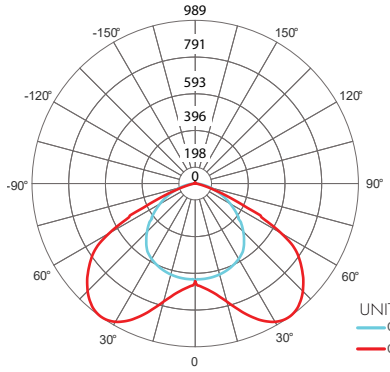


Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	195	37%
	0-40	294	56%
	0-60	446	85%
	0-90	519	99%
Total	0-180	524	100%

Beam Angle
62°

BAR-48-72VHO-30K-BW
Bara, 4ft, 3000K, VHO, Batwing Lens

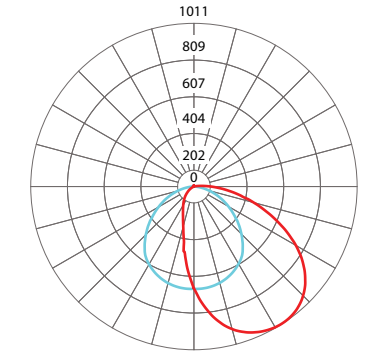


Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	142	21%
	0-40	258	38%
	0-60	530	77%
	0-90	680	99%
Total	0-180	687	100%

Beam Angle
127°

BAR-48-72VHO-30K-AS
Bara, 4ft, 3000K, VHO, Asymmetric Lens



Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	121	23%
	0-40	203	39%
	0-60	378	73%
	0-90	511	98%
Total	0-180	520	100%

Beam Angle
74°

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]	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

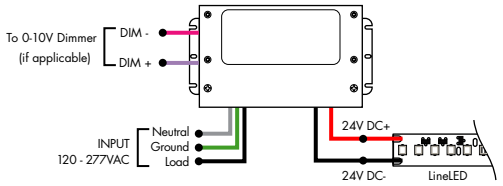
MODEL		INPUT CONTROL		WATTAGE		OUTPUT
	–		–		–	
PS - Power Supply, 120-277VAC		UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)		30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts		24 - 24 VDC

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

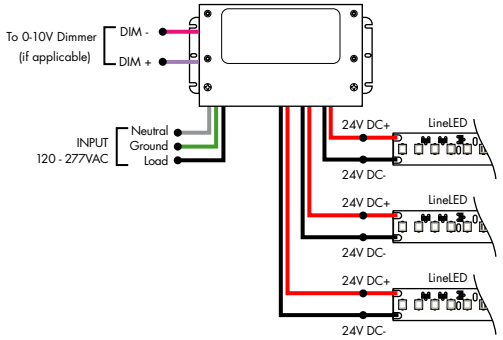
0-10V - 0.1% dimming
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

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

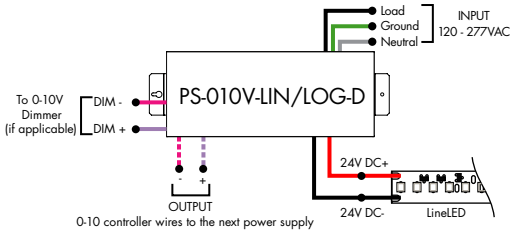


For use with Static White

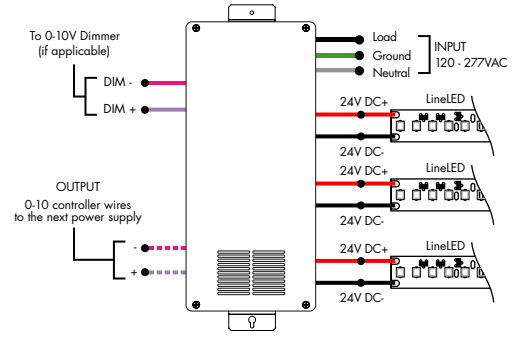
Ordering Code - 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

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.

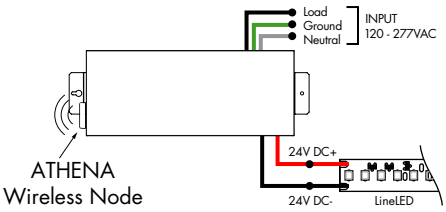
For use with Static White

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

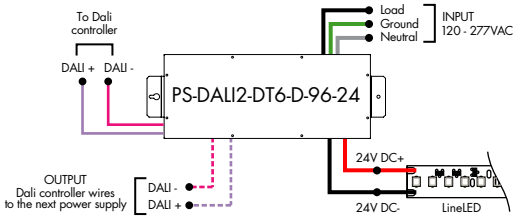


For use with Static White

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"

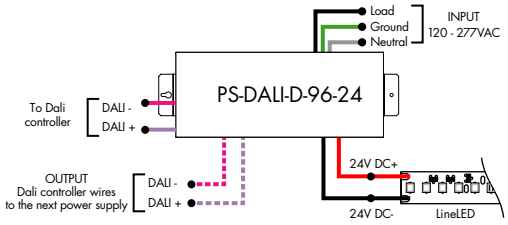


For use with Static White

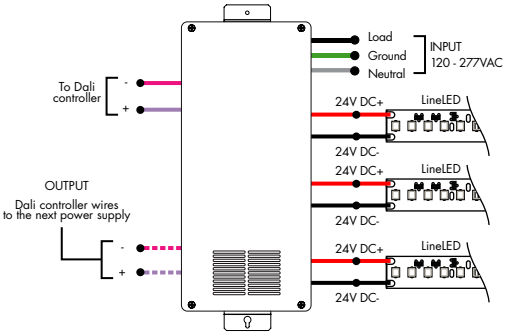
Ordering Code - DALI Dimming Power Supplies 0.1% 120VAC - 277VAC

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.

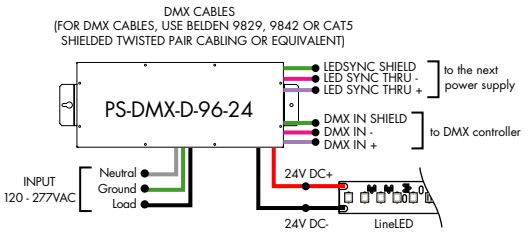
For use with Static White

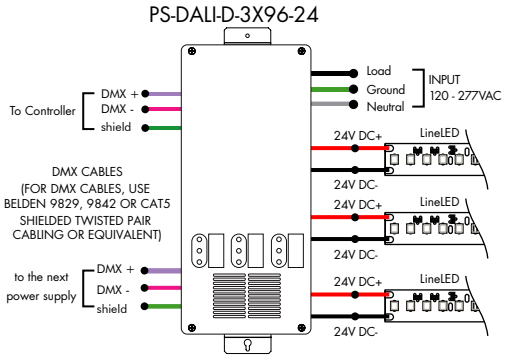
Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

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.



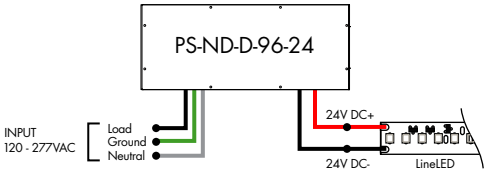


For use with Static White

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"

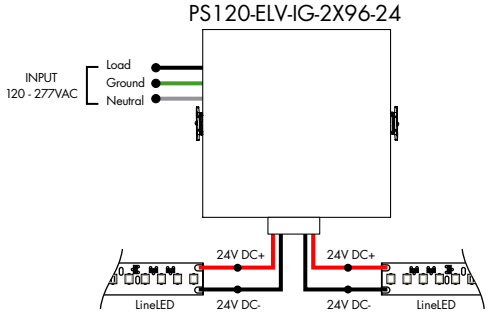


For use with Static White

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.

LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 1%

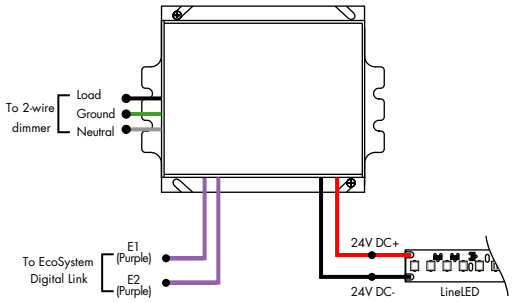
MODEL

L3DA4U1UKL-CV240

Hi-lume™ 1% EcoSystem Voltage LED driver 40W max

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

L3DA4U1UKN-CV240



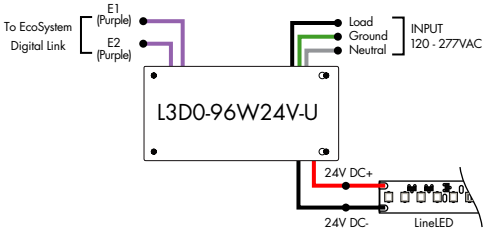
LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 0.1%

MODEL

L3D0-96W24V-U

Hi-lume™ 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"