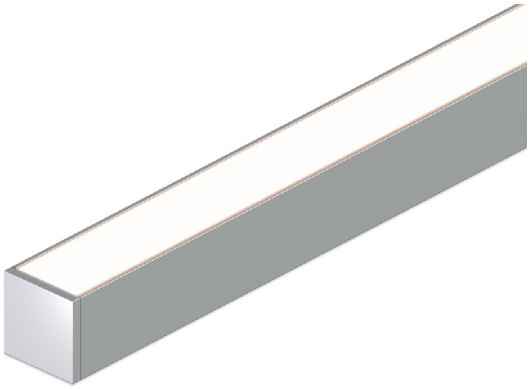
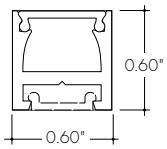


Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 90' depending on output
- Suitable for undercabinet, millwork, direct view, grazer, vanity, architectural reveals, accent lighting and surface mount applications
- Suitable for installation in the storage area of a clothes closet on outputs 5.7W/ft or less, NEC compliant for the USA only.
- Dot free even illumination with frosted and raised lens
- Class 2 listed for damp locations
- 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 810 lm/ft and up to 115 lm/W
- Average Life (L70): 50,000hrs
- 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**
Lumens Output (3000K) (with a Satin Ice Lens)	91 lm/ft	233 lm/ft	310 lm/ft	409 lm/ft	495 lm/ft	659 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
Efficacy	83 lm/W	83 lm/W	84 lm/W	83 lm/W	84 lm/W	83 lm/W
Max Run Length (in series)	56.9 ft	32 ft	28 ft	24 ft	21 ft	18 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°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.

TYPE	High Efficacy HE64					
OUTPUT OPTIONS	**HE64VLO**	**HE64LO**	**HE64SO**	**HE64MO**	**HE64HO**	**HE64VHO**
Lumens Output (3000K) (with a Satin Ice Lens)	101 lm/ft	218 lm/ft	313 lm/ft	416 lm/ft	592 lm/ft	811 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
Efficacy	101 lm/W	115 lm/W	108 lm/W	109 lm/W	106 lm/W	114 lm/W
Max Run Length (in series)	90 ft	55 ft	34.9 ft	26 ft	17 ft	13 ft
Ambient Operating Temperature Range*	-4°F – 122°F (-20°C – 50°C)					-4°F – 104°F (-20°C – 40°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	R_f	R_g	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

High Efficacy (HE64)

CCT	Multiplier (ref. - 30K)	TM-30 CRI	R_f	R_g	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[2] - MOUNTING - FINISH[3] - FEED POSITION LEFT[4] - FEED POSITION RIGHT[4]

MODEL
BOS - Bosca

LENGTH[1]
12"–144" 1" increments
12"–144" 2" increments

OUTPUT[2]
VC72VLO - Very Low
VC72LO - Low
VC72SO - Standard
VC72MO - Medium
VC72HO - High
VC72VHO - Very High
HE64VLO - Very Low
HE64LO - Low
HE64SO - Standard
HE64MO - Medium
HE64HO - High
HE64VHO - Very High

CCT
18K - 1800K
22K - 2200K
24K - 2400K
27K - 2700K
30K - 3000K
35K - 3500K
41K - 4100K
22K - 2200K
24K - 2400K
27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K

LENS[2]
F - Frosted
SI - Satin Ice
G - Graze
R - Raised

MOUNTING
FC - Fixed Clip
SC - Screw-in
MAG - Magnetic
A - Adjustable Hinge Mounting

FINISH[3]
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]

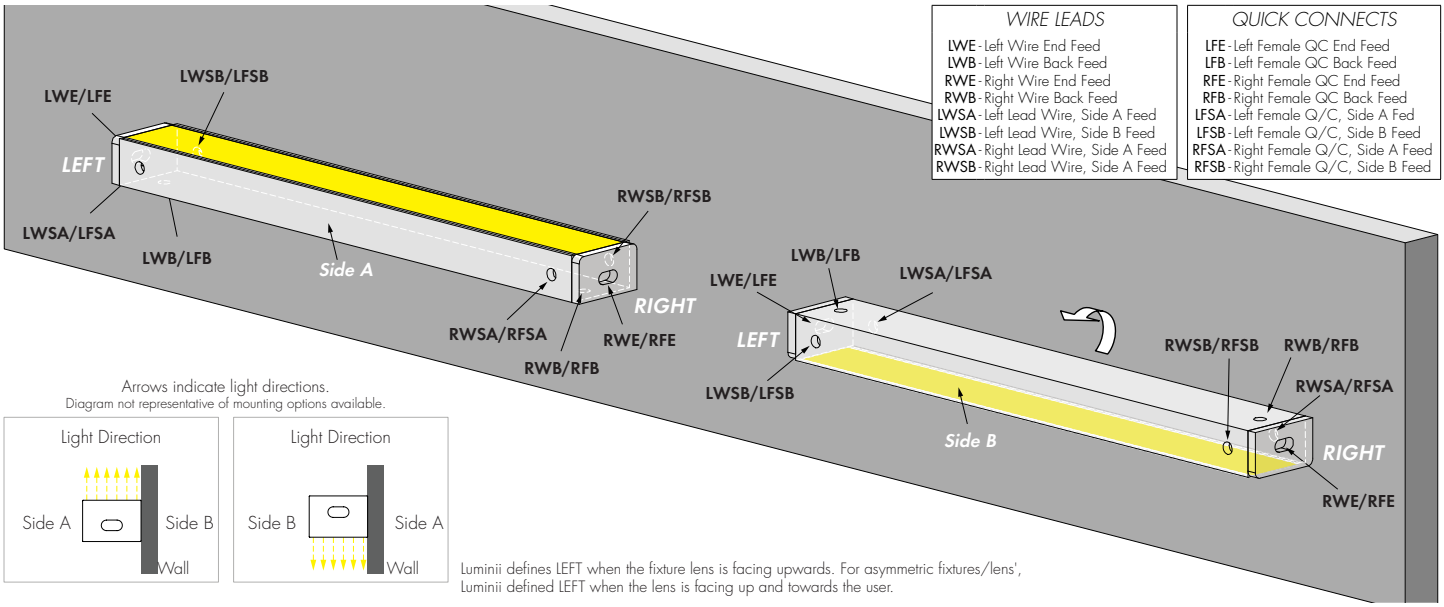
FEED POSITION LEFT[4]
WIRE LEADS (72")
LWE - Wire End Feed
LWB - Wire Back Feed
LWSA - Wire Side A Feed
LWSB - Wire Side B Feed
LNPF - No Power Feed
QUICK CONNECTS (4")
LFE - Female Q/C, End Feed
LFB - Female Q/C, Back Feed
LFSA - Female Q/C, Side A Feed
LFSB - Female Q/C, Side B Feed
LNPF - No Power Feed

FEED POSITION RIGHT[4]
WIRE LEADS (72")
RWE - Wire End Feed
RWB - Wire Back Feed
RWSA - Wire Side A Feed
RWSB - Wire Side B Feed
RNPF - No Power Feed
QUICK CONNECTS (4")
RFE - Female Q/C, End Feed
RFB - Female Q/C, Back Feed
RFSA - Female Q/C, Side A Feed
RFSB - Female Q/C, Side B Feed
RNPF - No Power Feed

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 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".

Powerfeeds and Connectors

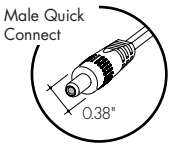
Power Feed Position Options and Orientation



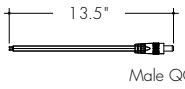
Arrows indicate light directions.
Diagram not representative of mounting options available.

Luminii defines LEFT when the fixture lens is facing upwards. For asymmetric fixtures/lens', Luminii defined LEFT when the lens is facing up and towards the user.

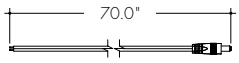
Linking and Extension Cable Options

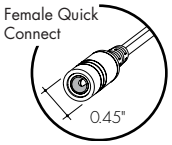


LMC-12
Male quick-connect, 2 pin, 12"

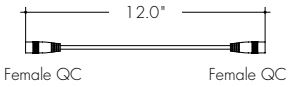


LMC-70
Male quick-connect long, 2 pin, 70"

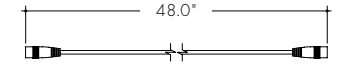




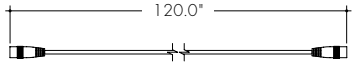
EC-12
Female to Female Extension Cable, 2 pin, 12"

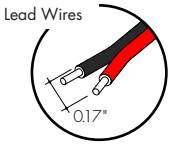


EC-48
Female to Female Extension Cable, 2 pin, 48"

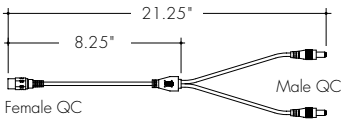


EC-120
Female to Female Extension Cable, 2 pin, 120"





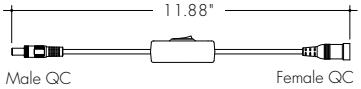
LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12"

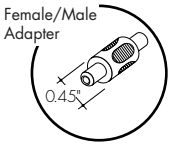


FMA
Female to male adapter



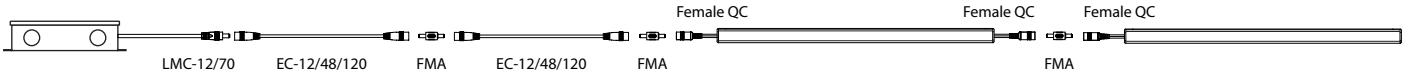
IS-DC
Male to Female Inline DC Switch, 2 pin, 12"

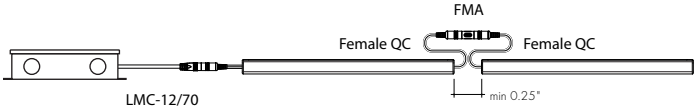




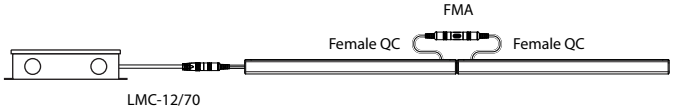
Sample Layout







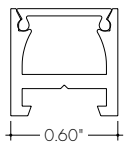
End feed shown



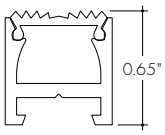
Side and Back feed shown

Product Dimensions

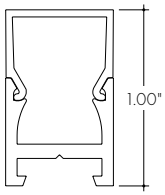
Fixture/Lens Profile



Frosted or Satin Ice Lens

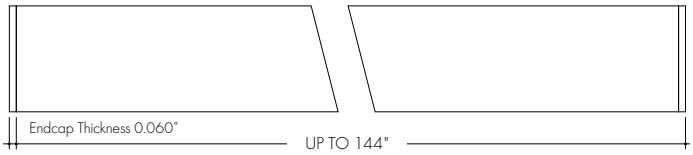


Graze Lens

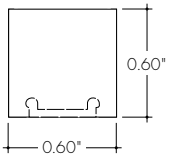


Raised Lens

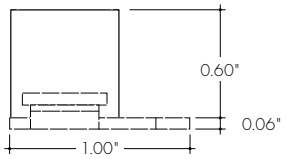
Fixture Side



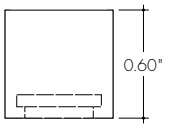
Fixture/Mounting Profile



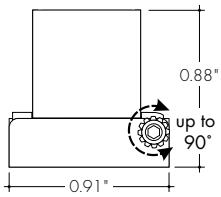
Frosted or Satin Ice Lens using the Clip-in Channel



Frosted or Satin Ice Lens using the Screw-in Channel



Frosted or Satin Ice Lens using the Magnetic Bracket

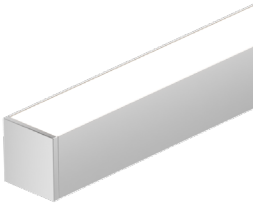


Frosted or Satin Ice Lens the Adjustable Bracket, up to 90°

Finish Options

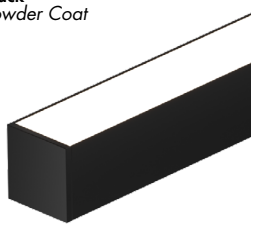
- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Base finishes may have extended lead times and price adder.
- Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".
- Custom RALs are available, please consult Inside Sales with specific request.

Silver Anodized
Base



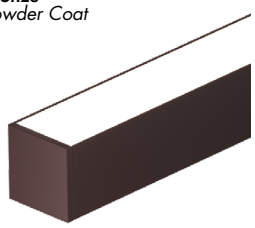
Silver Anodized is a soft silver with a clear finish.

Black
Powder Coat



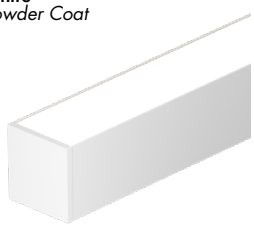
Black is a true deep black with a glossy finish.

Bronze
Powder Coat



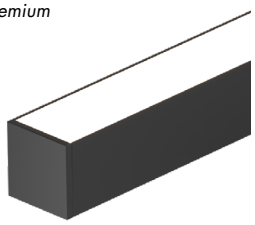
Bronze is a rich, dark brown with a satin finish.

White
Powder Coat



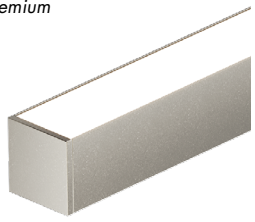
White is a polar bright white and field paintable.

Matte Black
Premium



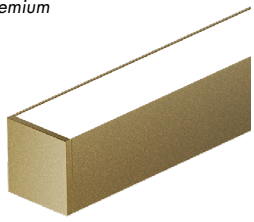
Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel
Premium



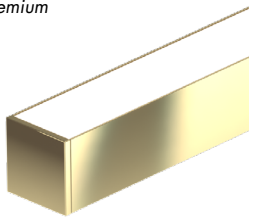
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass
Premium



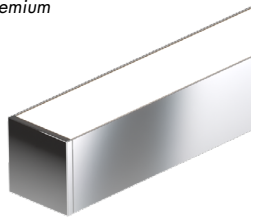
Aged Brass is a deep brown shade with slightly golden undertones.

Polished Gold
Premium



Polished Gold is bright and radiant for a brilliant finish.

Chrome
Premium



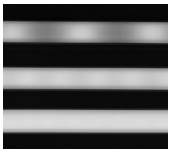
Chrome is a highly reflective silver polish.

Light Transmission and Dotting

Output Options	Lens/Accessory															
	Graze Lens				Satin Ice				Raised Lens				Frosted Lens			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%
VC72VLO	CD	CD	CD	CD	SD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
VC72LO	CD	CD	CD	CD	SD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
VC72SO	CD	CD	CD	CD	SD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
VC72MO	CD	CD	CD	CD	SD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
VC72HO	CD	CD	CD	CD	SD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
VC72VHO	CD	CD	CD	CD	SD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
HE64VLO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
HE64LO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
HE64SO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
HE64MO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
HE64HO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
HE64VHO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND	ND	ND	ND	ND
Transmission Percentage	106%				100%				80%				73%			

Use complete Dotting Chart Tool online for more dotting information

I'm also click-able



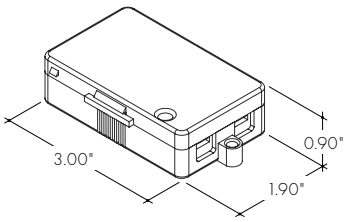
CD - Clear Dotting

SD - Slight Dotting

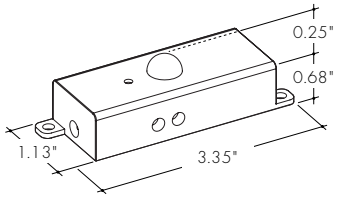
ND - No Dotting

Accessory Options

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

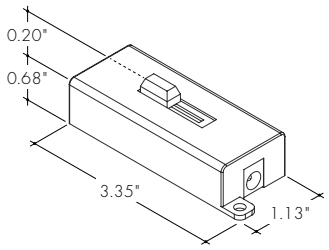


OS-DC-F4-BK
Occupancy Sensor



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

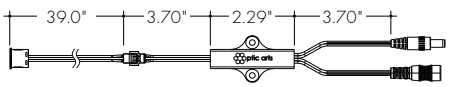
DIM-DC-F4-BK
24VDC Low Voltage In-line Dimmer Module



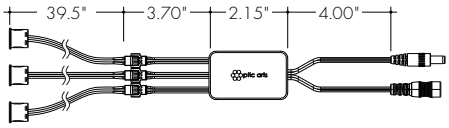
Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output.

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

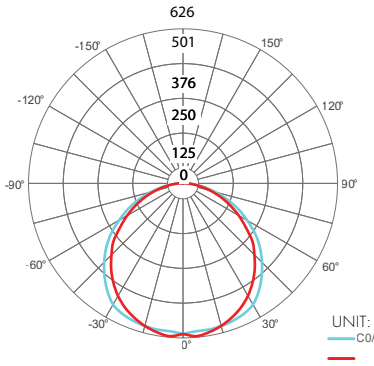


Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output. For more information visit Sensor Spec Sheet (Link)

Photometry

BOS-48-VC72VHO-30K-F

Bosca, 4ft, VHO, 3000K, Frosted Lens



Zonal Lumen Summary 3000K

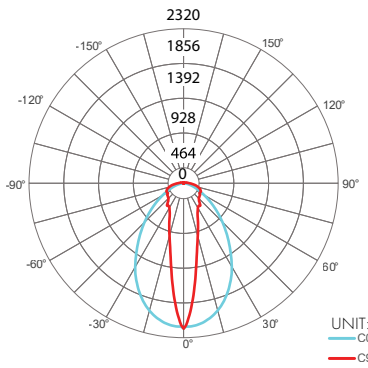
	Zone	Lumen	% Fixture
	0-30	121	25%
	0-40	202	42%
	0-60	365	76%
	0-90	474	99%
Total	0-180	480	100%

Beam Angle

114°

BOS-48-VC72VHO-30K-G

Bosca, 4ft, VHO, 3000K, Grazed Lens



Zonal Lumen Summary 3000K

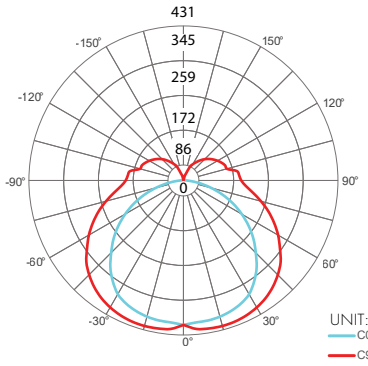
	Zone	Lumen	% Fixture
	0-30	255	36%
	0-40	359	51%
	0-60	529	75%
	0-90	671	96%
Total	0-180	702	100%

Beam Angle

26°

BOS-48-VC72VHO-30K-R

Bosca, 4ft, VHO, 3000K, Raised Lens



Zonal Lumen Summary 3000K

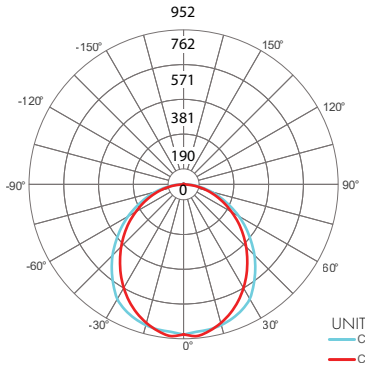
	Zone	Lumen	% Fixture
	0-30	85	16%
	0-40	145	27%
	0-60	280	53%
	0-90	426	80%
Total	0-180	529	100%

Beam Angle

161°

BOS-48-VC72VHO-30K-SI

Bosca, 4ft, VHO, 3000K, Satin Ice Lens



Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	179	27%
	0-40	292	44%
	0-60	509	77%
	0-90	652	99%
Total	0-180	659	100%

Beam Angle

103°

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

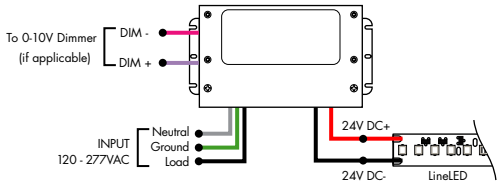
MODEL		INPUT CONTROL		WATTAGE		OUTPUT
	–		–		–	
PS - Power Supply, 120-277VAC		UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)		30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts		24 - 24 VDC

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

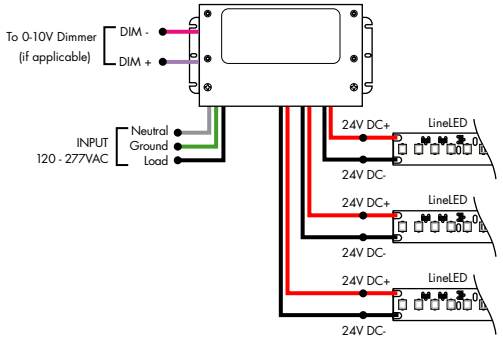
0-10V - 0.1% dimming
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

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

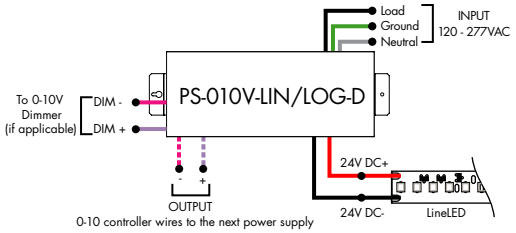


For use with Static White

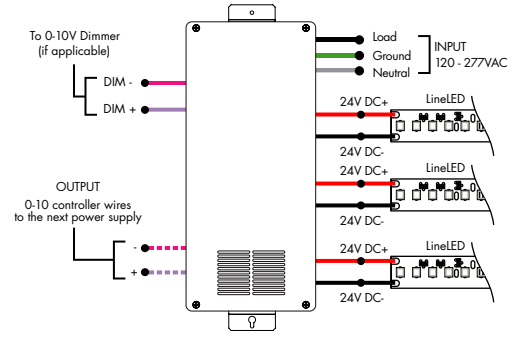
Ordering Code - 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

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.

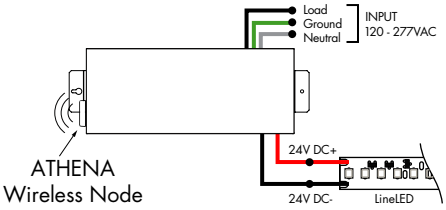
For use with Static White

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

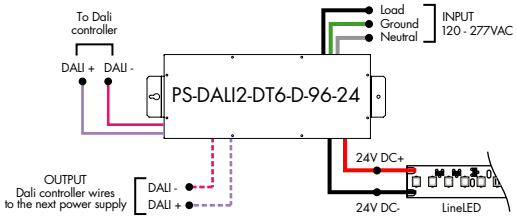


For use with Static White

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"

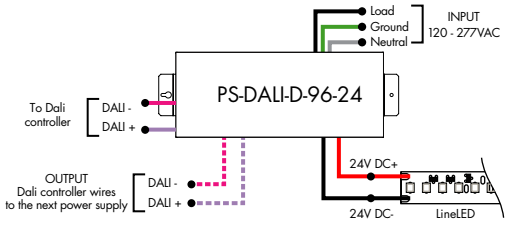


For use with Static White

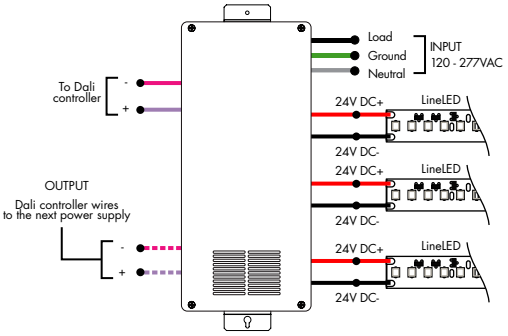
Ordering Code - DALI Dimming Power Supplies 0.1% 120VAC - 277VAC

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



*LUMINII RESERVES THE RIGHTS TO CHANGE SPECIFICATION & INSTRUCTION WITHOUT NOTICE

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.

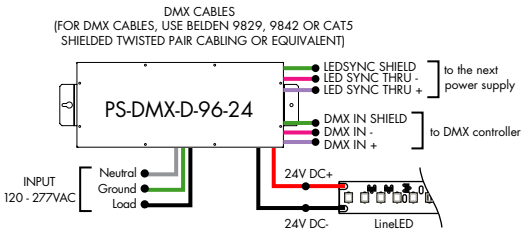
For use with Static White

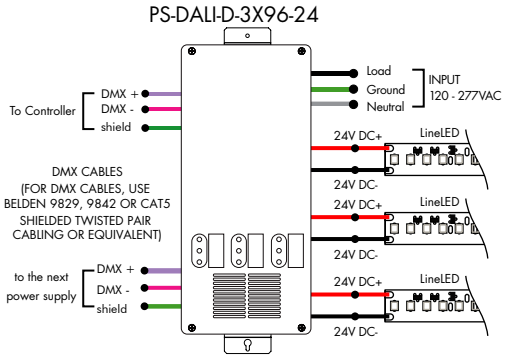
Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

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.



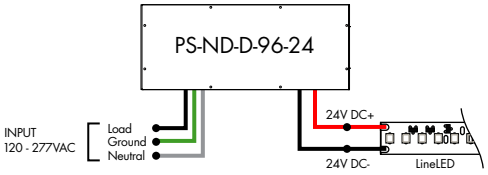


For use with Static White

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"

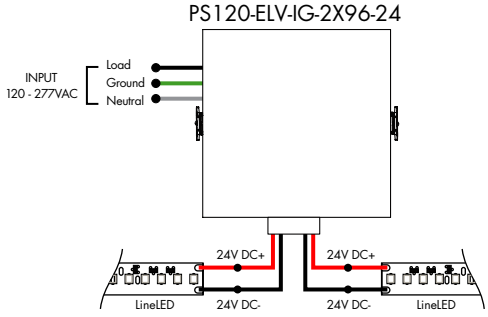


For use with Static White

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.

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Lutron Power Supplies 1%

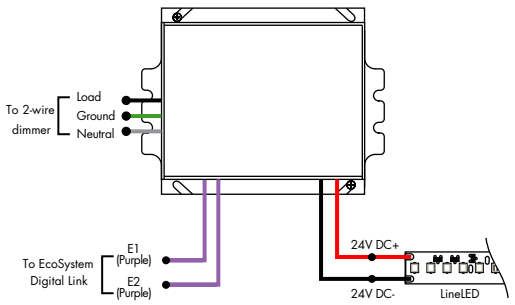
MODEL

L3DA4U1UKL-CV240

HiLume™ 1% EcoSystem Voltage LED driver 40W max

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

L3DA4U1UKN-CV240



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"

