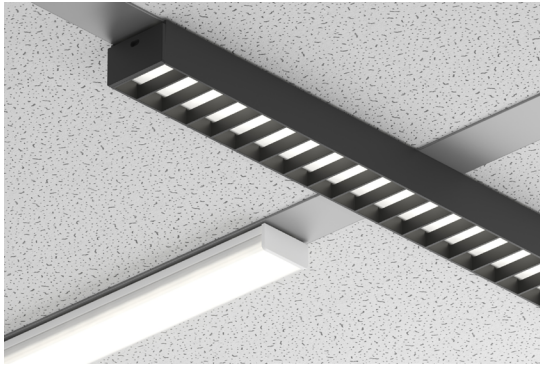
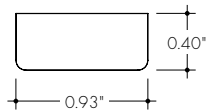




Features

- 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
- Approved for closet/storage space installation per NEC 410.16(A) (3) and 410.16(C)(5) on outputs 5.7 W/ft or less
- 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

□ White ■ Black

(see page 2 for additional information)



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.

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	54 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.

Vibrant Color (VC72)						
CCT	Multiplier (ref. - 30K)	CRI	R _f	R _g	R ₉	TM-30
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)	CRI	R _f	R _g	R ₉	TM-30
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	FEED POSITION LEFT ³	FEED POSITION RIGHT ³	ACCESSORIES ⁴
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 ⁴	MAG - Magnetic ⁵ TB9 - 9/16" Lay-in Grid TB15 - 15/16" Lay-in Grid TT9 - 9/16" Tegular Clip TS9 - 9/16" Slot Tee Clip	WH - White BK - Black ⁶	PLENUM WIRE LEADS (72") LPE - Plenum Wire End Feed LPB - Plenum Wire Back Feed LNPF - No Power Feed	PLENUM WIRE LEADS (72") RPE - Plenum Wire End Feed RPB - Plenum Wire 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				QUICK CONNECTS (4") LFE - Female Q/C, End Feed LFB - Female Q/C, Back Feed LNPF - No Power Feed	QUICK CONNECTS (4") RFE - Female Q/C, End Feed RFB - Female Q/C, Back Feed RNPF - No Power Feed	

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.

2 - Title 24 JAB achievable depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.

3 - LNPF - RNPF is not a valid configuration option

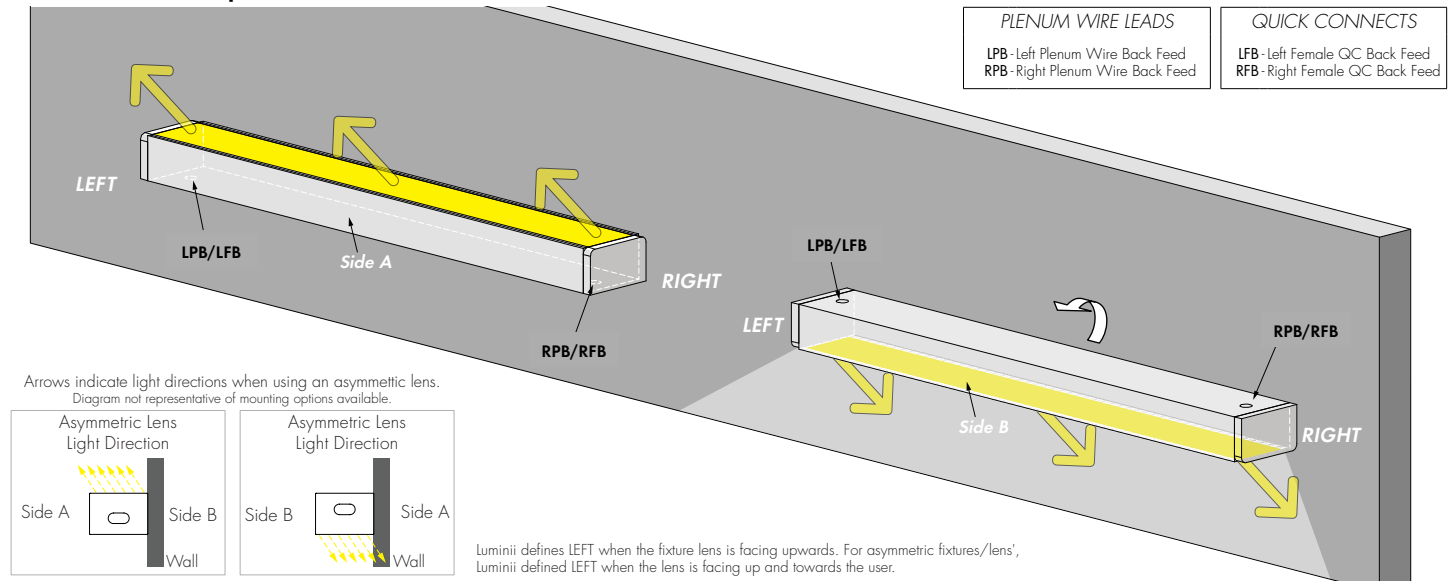
4 - Louver Accessories are not compatible with Asymmetric lens.

5 - Magnetic mounting option is not compatible with the Louvers or Glare Shields.

6 - Black finish is only applicable when the black louver or black glare shield accessory is selected, for all other options, use the white finish.

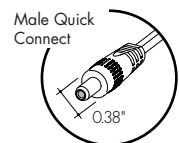
Powerfeeds and Connectors

Power Feed Position Options and Orientation

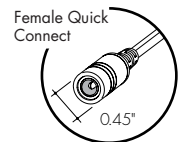
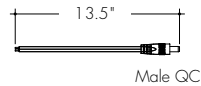


Powerfeeds and Connectors

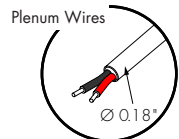
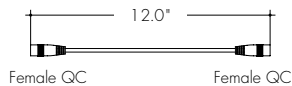
Linking and Extension Cable Options



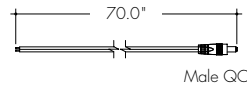
LMC-12
Male quick-connect, 2 pin, 12"



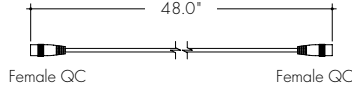
EC-12
Female to Female Extension Cable, 2 pin, 12"



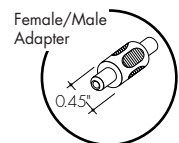
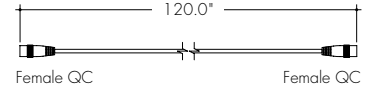
LMC-70
Male quick-connect long, 2 pin, 70"



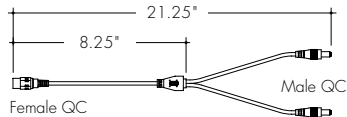
EC-48
Female to Female Extension Cable, 2 pin, 48"



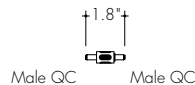
EC-120
Female to Female Extension Cable, 2 pin, 120"



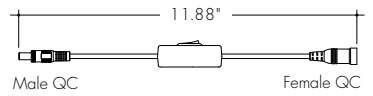
LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12"



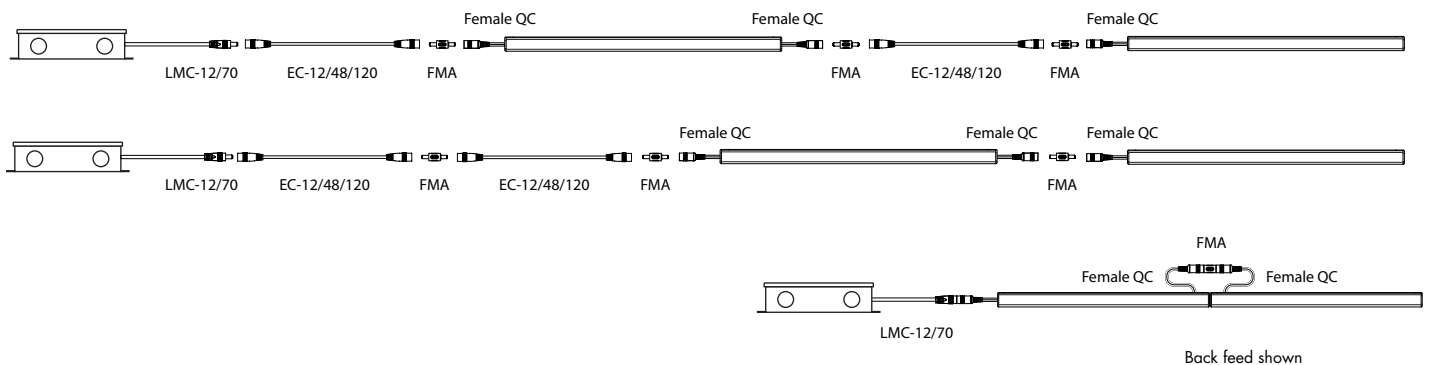
FMA
Female to male adapter



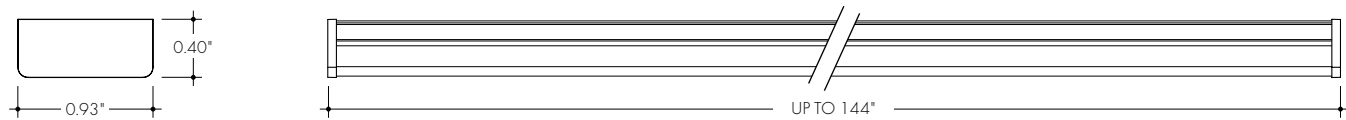
IS-DC
Male to Female Inline DC Switch, 2 pin, 12"



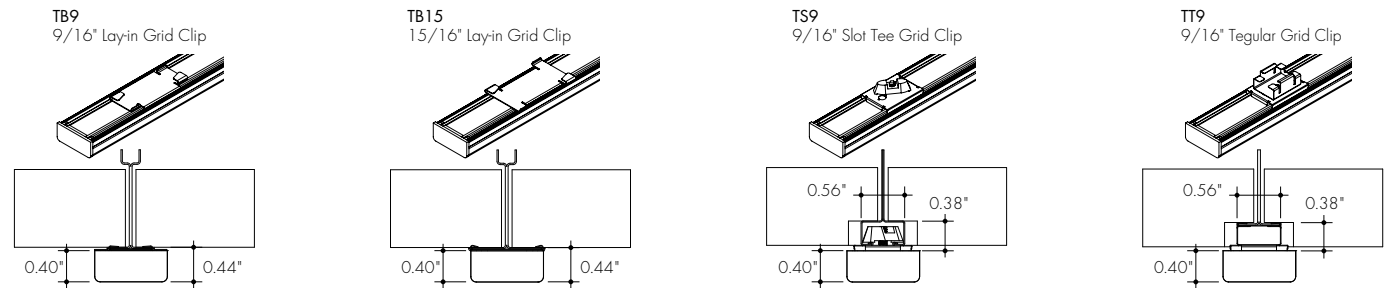
Sample Layout



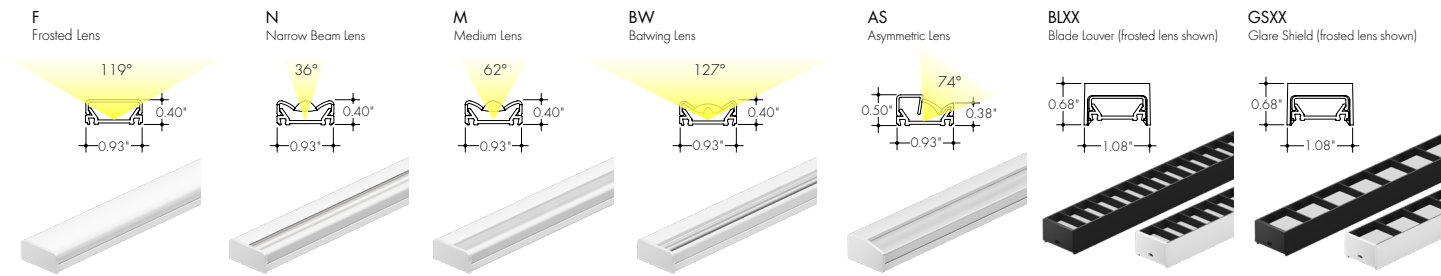
Product Dimensions



Mounting Clip Details



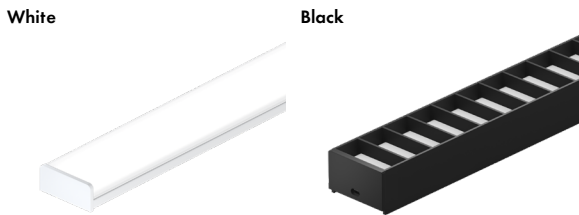
Lens Options



Black finish is only applicable when the black louver accessory is selected, for all other options, use the white finish.

XX	Color
BK	All Black
WB	White Exterior, Black Interior

Finish Options



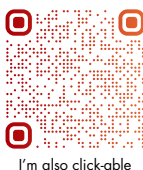
White is a polar bright white and field paintable.

Black is a true deep black with a Matte finish.

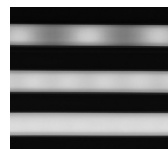
Light Transmission and Dotting

Output Options	Lens/Accessory																			
	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



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CD - Clear Dotting

SD - Slight Dotting

ND - No Dotting

Accessory Options

LV-BL-BARC-24-XX

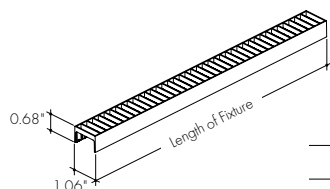
Blade Louver reduces glare at high angle in two directions. Also available with complete fixture, use ordering code **-BLXX**

LV-GS-BARC-24-XX

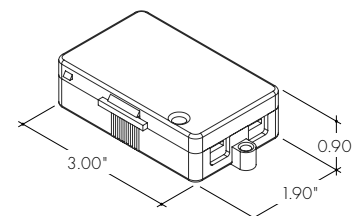
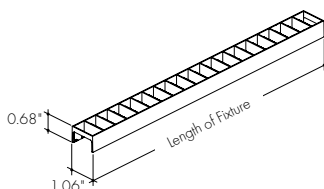
Glare Shield reduces glare at high angle, field cuttable. Also available with complete fixture, use ordering code **-GSXX**

LVSP-4T-BK

Low Voltage, 4 Terminal Splice Box, Black, IP20



XX	Color
BK	All Black
WB	White Exterior, Black Interior



OS-DC-F4-BK

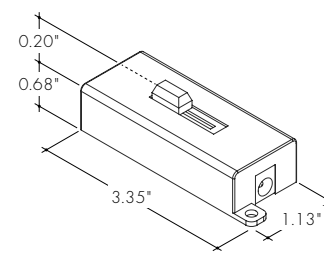
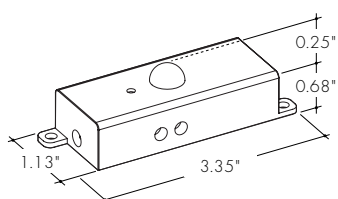
Occupancy Sensor

DIM-DC-F4-BK

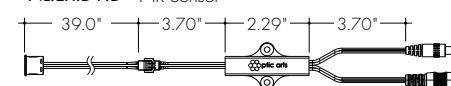
24VDC Low Voltage In-line Dimmer Module

NLEX.D1.B & NLEX.D3.B

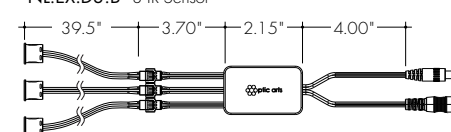
Near Infrared Remote Door Sensor



NLEX.D1.B - 1 IR Sensor



NLEX.D3.B - 3 IR Sensor



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

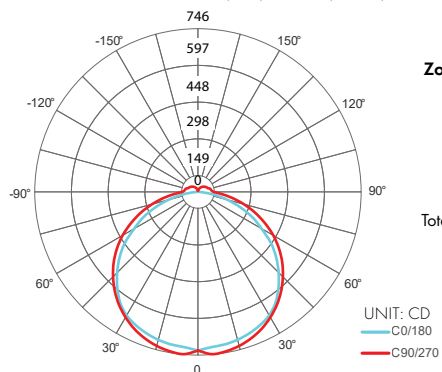
Male Quick Connect, FMA, ILC, LYC, or IS-DC are required for input and output.

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

Photometry

BAR-48-72VHO-30K-F

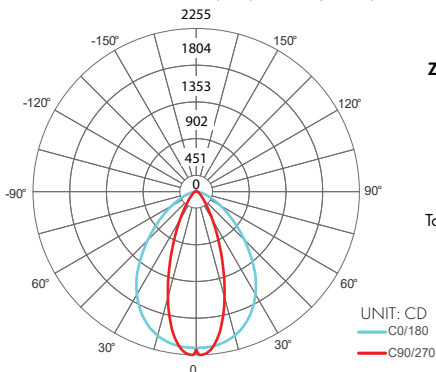
Bara, 4ft, 3000K, VHO, Frosted Lens

**Zonal Lumen Summary 3000K**

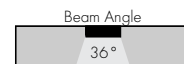
Zone	Lumen	% Fixture
0-30	145	24%
0-40	241	40%
0-60	436	72%
0-90	570	95%
Total 0-180	603	100%

BAR-48-72VHO-30K-N

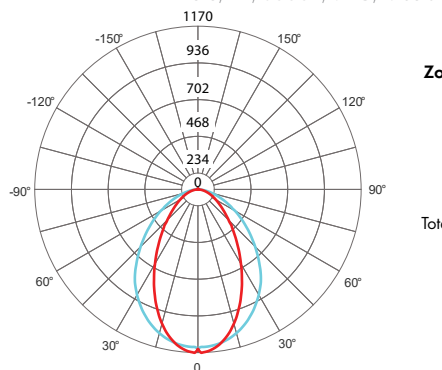
Bara, 4ft, 3000K, VHO, Narrow Beam

**Zonal Lumen Summary 3000K**

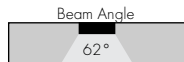
Zone	Lumen	% Fixture
0-30	296	51%
0-40	404	70%
0-60	529	91%
0-90	575	99%
Total 0-180	581	100%

BAR-48-72VHO-30K-M

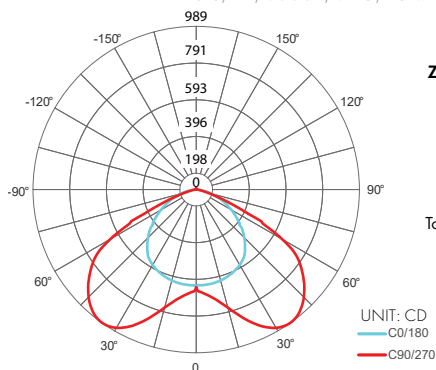
Bara, 4ft, 3000K, VHO, Medium Lens

**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%

BAR-48-72VHO-30K-BW

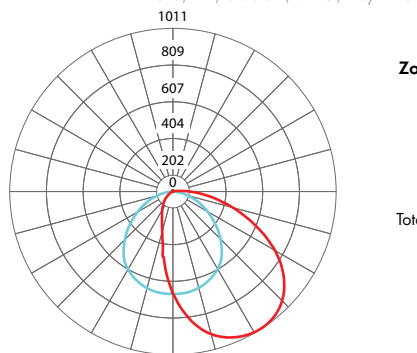
Bara, 4ft, 3000K, VHO, Batwing Lens

**Zonal Lumen Summary 3000K**

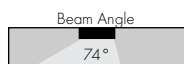
Zone	Lumen	% Fixture
0-30	142	21%
0-40	258	38%
0-60	530	77%
0-90	680	99%
Total 0-180	687	100%

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%



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, output, and desired power feed to get a full power consumption table.



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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

T-Grid Compatibility

Luminii Mounting	Brand	Type	Part Number	Description
TB15	DONN	15/16	AX26	DONN AX SUSPENSION
TB15		15/16	DX24	DX®/DXL™ ACOUSTICAL SUSPENSION SYSTEM
TB15		15/16	M7	M7 OVERLAPPING
TS9		9/16	DXFF2930	Donn® Brand Finline® 1/8 DXFF™ 9/16" ACOUSTICAL SUSPENSION SYSTEM
TS9		9/16	DXF2930	Donn® Brand Finline® DXF™/DXLF™ 9/16" ACOUSTICAL SUSPENSION SYSTEM
TT9		9/16	DXT24	Donn® Brand Centricitee™ DXT™/DXLT™ 9/16" ACOUSTICAL SUSPENSION SYSTEM
TB9	ARMSTRONG	9/16	7501HRC	SURPRAFINE XL HRC
TB15		15/16	7301HRC	PRELUDE XL HRC EXPOSED TEE SYSTEM
TB15		15/16	7301	PRELUDE ML EXPOSED TEE SYSTEM
TB15		15/16	8301	PRELUDE XL FIRE EXPOSED TEE SYSTEM
TS9		9/16	76018	SILHOUETTE XL 9/16" BOLT SLOT - 1/8"
TS9		9/16	7601	SILHOUETTE XL 9/16" BOLT SLOT - 1/4"
TT9		9/16	7501	SUPRAFINE XL 9/16" EXPOSED TEE
TT9		9/16	ML7540	SUPRAFINE ML 9/16" EXPOSED TEE

* Statement of Compatibility from USG:

Luminii's fixtures at 0.25lbs/ft can be fully supported by the USG grids listed in the table above and do not require any additional structural support or modifications to the grid system as long as the overall ceiling weight including specified fixtures and/or any other components supported by the grid does not cross the allowed ceiling weight per state building structural codes.

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

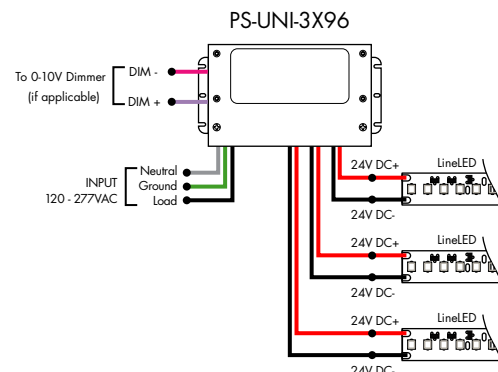
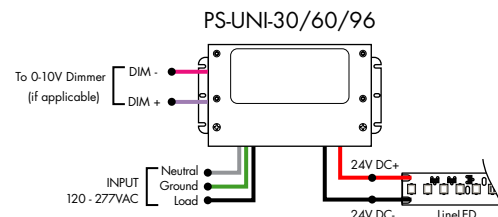
Ordering Code - Universal Dimming Power Supplies 0.1% 120VAC - 277VAC

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"

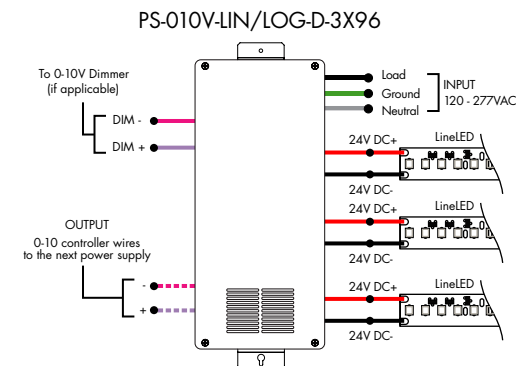
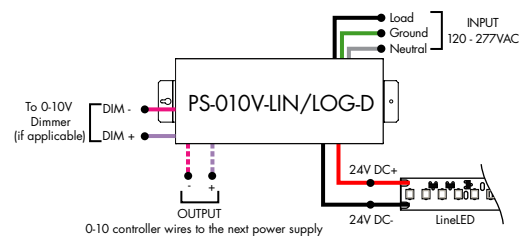


For use with Static White

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"



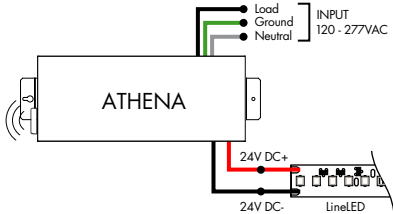
Power Supplies

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	AWNDR-Athena

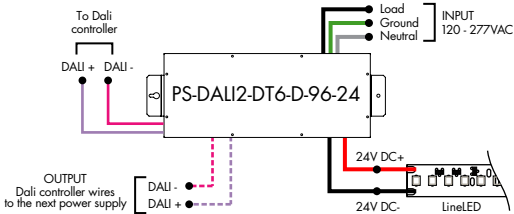


MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

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

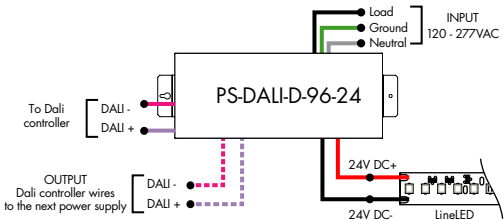


Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

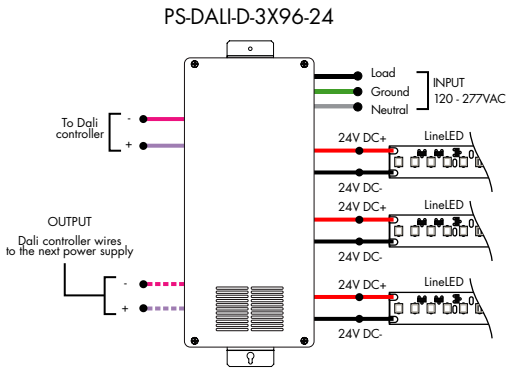
For use with Static White

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"



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.

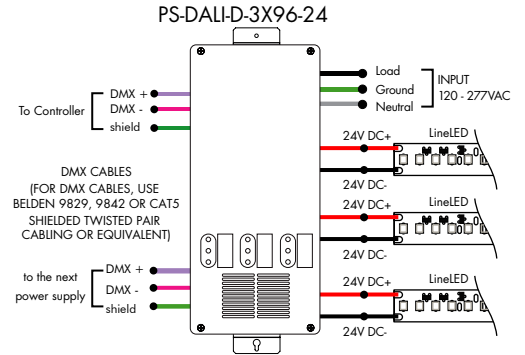
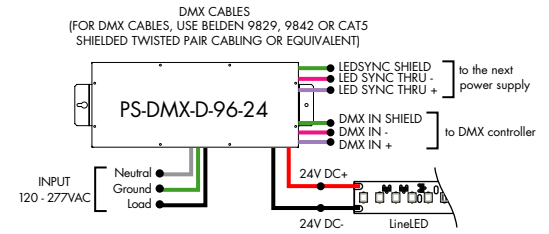
For use with Static White

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.

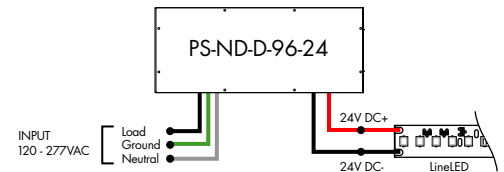


For use with Static White

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"

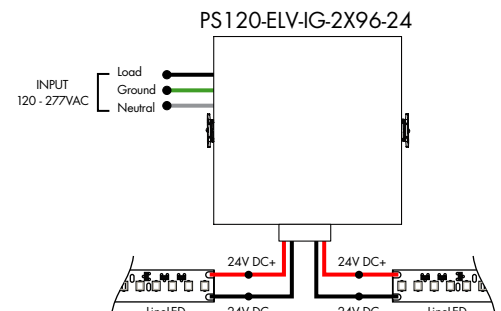


For use with Static White

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.



Luminii is a Lutron OEM Advantage Partner

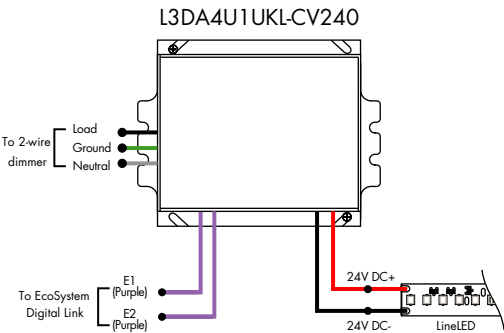
Lutron Power Supplies 1%

MODEL

L3DA4U1UKL-CV240

HiLume™ 1% EcoSystem Voltage LED driver 40W max

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



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"

