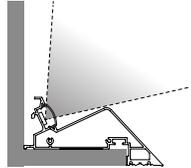
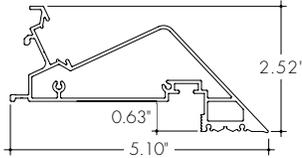




**Features**

- The Luminii Knife Edge system produces an elegant, seamless sharp-edged architectural feature with uniform lighting on adjacent surfaces.
- Accepts 5/8" thick drywall on its underside. architectural reveals, accent lighting and surface mount applications
- Create a soft diffused illumination, color tuning or an asymmetrical forward distribution by selecting the desired beam control offering.
- Factory cut to length
- Average Life (L70): 50,000hrs
- Integrated asymmetric light engine or soft perimeter glow
- Factory built precision Inside and Outside Corners
- Painted Eggshell RAL 9010 with primer to accept field painting
- 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 620 lm/ft and up to 89 lm/W
- 7 year warranty



**Technical Information**

TYPE	Vibrant Color VC72					
OUTPUT OPTIONS	VC72VLO	VC72LO	VC72SO	VC72MO	VC72HO	VC72VHO
<b>Lumens Output (3000K)</b> <small>(with a Frosted Lens)</small>	71 lm/ft	180 lm/ft	240 lm/ft	317 lm/ft	384 lm/ft	511 lm/ft
<b>Average Power Consumption</b> <small>(for a 4' section)</small>	1.1 W/ft	2.8 W/ft	3.7 W/ft	4.9 W/ft	5.9 W/ft	7.9 W/ft
<b>Efficacy</b>	65 lm/W	64 lm/W	65 lm/W	65 lm/W	65 lm/W	65 lm/W
<b>Max Run Length</b> <small>(in series)</small>	56.9 ft	32 ft	28 ft	24 ft	21 ft	18 ft
<b>Ambient Operating Temperature Range*</b>	-4°F - 122°F (-20°C - 50°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
<b>Lumens Output (3000K)</b> <small>(with a Frosted Lens)</small>	78 lm/ft	169 lm/ft	243 lm/ft	323 lm/ft	459 lm/ft	629 lm/ft
<b>Average Power Consumption</b> <small>(for a 4' section)</small>	1 W/ft	1.9 W/ft	2.9 W/ft	3.8 W/ft	5.6 W/ft	7.1 W/ft
<b>Efficacy</b>	78 lm/W	89 lm/W	84 lm/W	85 lm/W	82 lm/W	89 lm/W
<b>Max Run Length</b> <small>(in series)</small>	90 ft	55 ft	34.9 ft	26 ft	17 ft	13 ft
<b>Ambient Operating Temperature Range*</b>	-4°F - 122°F (-20°C - 50°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.

CCT	Multiplier <small>(ref. - 30K)</small>	TM-30			
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
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

CCT	Multiplier <small>(ref. - 30K)</small>	High Efficacy (HE64)			
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
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**

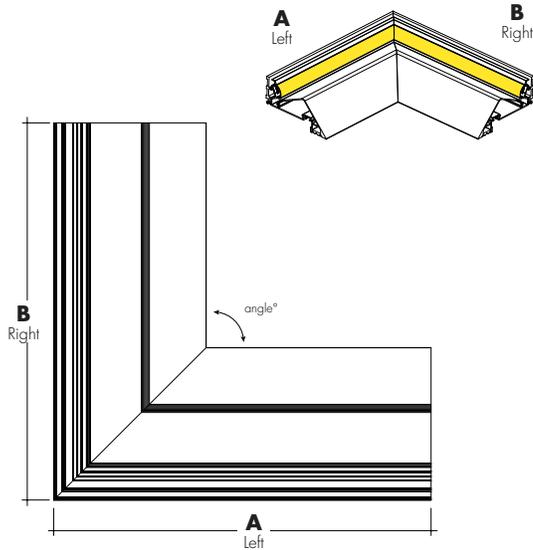
MODEL	LENGTH <sup>1</sup>	OUTPUT	CCT	LENS	LEFT END CAP	RIGHT END CAP	POWER FEED LEFT END <sup>3</sup>	POWER FEED RIGHT END <sup>3</sup>
KE - Knife Edge	12"-84" 1" increments	VC72VLO - Very Low VC72LO - Low VC72SO - Standard VC72MO - Medium VC72HO - High VC72VHO - Very High	18K - 1800K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	F - Frosted Lens	LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	LPB - Back Plenum Leads	RNPF - No Power Feed
	12"-84" 2" increments	HE64VLO - Very Low HE64LO - Low HE64SO - Standard HE64MO - Medium HE64HO - High HE64VHO - Very High	22K - 2200K 25K - 2500K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K		LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End, With Jumper Wires RNJ - No Right Endcap, With Jumper Wires	LPB - Back Plenum Leads LNPF - No Power Feed	RNPF - No Power Feed RPB - Back Plenum Leads RNPF - No Power Feed
					LNJ - No Left Endcap, With Jumper Wires	RE - Endcap Right End RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads RNPF - No Power Feed
					LNJ - No Left Endcap, With Jumper Wires	RNJ - No Right Endcap, With Jumper Wires	LNPF - No Power Feed	RNPF - No Power Feed

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.  
 2 - Title 24 JAS achievable depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.  
 3 - Plenum Rated Wire leads are 72" long.

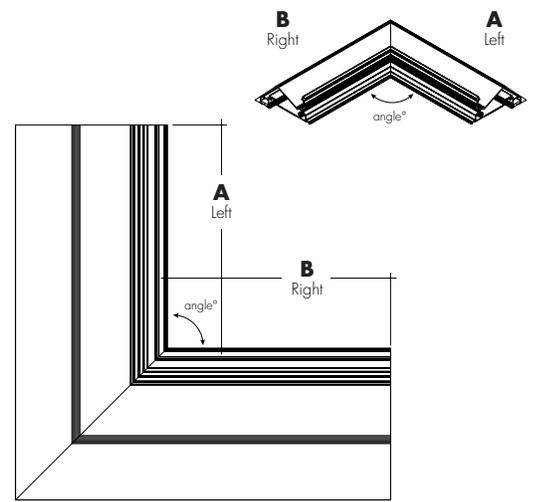
4 - NOTE: Cannot pair LNPF/RNPF without jumper connections - either LNJ or RNJ must be selected to allow for LNPF/RNPF to be chosen.  
 5 - NOTE: Cannot pair LPB/RPB together. Only one power feed per fixture/section on Knife Edge.  
 6 - NOTE: Cannot have a power feed on the same end as a jumper wire connection.

Knife Edge Corner Options

**KE-IC**  
Inner Corner



**KE-OC**  
Outside Corner



Vibrant Color	Actual Length				Total Wattage				
	Corner Type	A	B	VC72VLO	VC72LO	VC72SO	VC72MO	VC72HO	VC72VHO
Inner (KE-IC)		12 11/16"	12 11/16"	2.2	5.7	7.4	9.9	12.7	16.0
Outer (KE-OC)		11 8/16"	11 8/16"	2.2	5.7	7.4	9.9	12.7	16.0

High Efficacy	Actual Length				Total Wattage				
	Corner Type	A	B	HE64VLO	HE64LO	HE64SO	HE64MO	HE64HO	HE64VHO
Inner (KE-IC)		13"	13"	2.0	3.9	6.0	8.2	11.8	14.8
Outer (KE-OC)		11 12/16"	11 12/16"	2.0	3.9	6.0	8.2	11.8	14.8

Ordering Code

MODEL	LENGTH	ANGLE <sup>1</sup>	OUTPUT <sup>2</sup>	CCT	LENS	LEFT END CAP	RIGHT END CAP	POWER FEED LEFT END <sup>3</sup>	POWER FEED RIGHT END <sup>3</sup>
KE - Knife Edge	IC - Inner Corner OC - Outer Corner	90° - 90° Corner C - Custom Angle Corner	VC72VLO - Very Low	18K - 1800K	F - Frosted Lens	LE - Endcap Left End	RE - Endcap Right End	LPB - Back Plenum Leads	RNPF - No Power Feed
			VC72LO - Low	22K - 2200K		LN - No Endcap Left End	RN - No Endcap Right End		
			VC72SO - Standard	24K - 2400K		LE - Endcap Left End	RE - Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads
			VC72MO - Medium	27K - 2700K		LN - No Endcap Left End	RN - No Endcap Right End		
			VC72HO - High	30K - 3000K		LE - Endcap Left End	RNJ - No Right Endcap, With Jumper Wires	LPB - Back Plenum Leads	RNPF - No Power Feed
			VC72VHO - Very High	35K - 3500K		LN - No Endcap Left End	RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads
				41K - 4100K		LNJ - No Left Endcap, With Jumper Wires	RE - Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads
							RN - No Endcap Right End	RNPF - No Power Feed	
			HE64VLO - Very Low	22K - 2200K		LNJ - No Left Endcap, With Jumper Wires	RNJ - No Right Endcap, With Jumper Wires	LNPF - No Power Feed	RNPF - No Power Feed
			HE64LO - Low	24K - 2400K					
			HE64SO - Standard	27K - 2700K					
			HE64MO - Medium	30K - 3000K					
			HE64HO - High	35K - 3500K					
			HE64VHO - Very High	40K - 4000K					

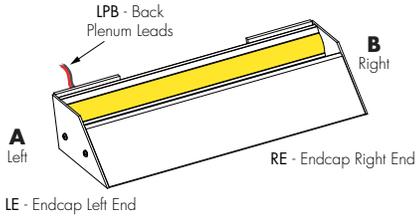
1 - Custom Angle Corners are available, please consult Inside Sales with specific request.  
 2 - Title 24 JAB achievable depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.  
 3 - Plenum Rated Wire leads are 72" long.

4 - NOTE: Cannot pair LNPF/RNPF without jumper connections - either LNJ or RNJ must be selected to allow for LNPF/RNPF to be chosen.  
 5 - NOTE: Cannot pair LPB/RPB together. Only one power feed per fixture/section on Knife Edge.  
 6 - NOTE: Cannot have a power feed on the same end as a jumper wire connection.

**Powerfeed options for Continuous Run Straight Fixtures**

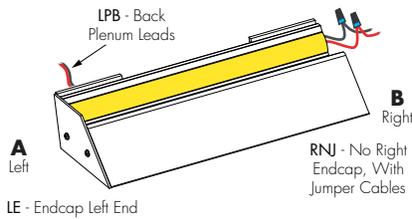
**KE-XX-LE-RE-XX-**

Single Fixture, both endcaps and power feed on one end



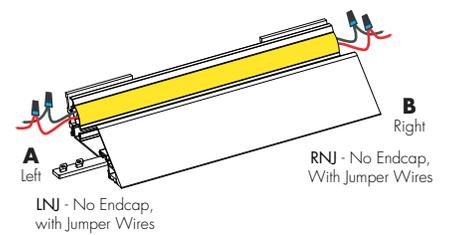
**KE-XX-LE-RN-XX- / KE-XX-LN-RE-XX-**

Start/End fixture, one end cap, power feed on one end, jumper cables on the other



**KE-XX-LN-RN-XX-**

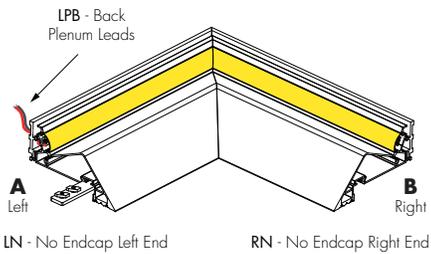
Middle fixture, no end caps, no power feed, jumper cables on both ends



**Powerfeed options for Corner Fixtures**

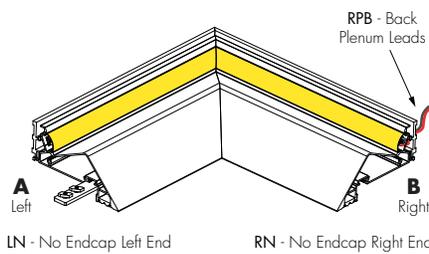
**KE-IC-90-XX-LN-RN-LPB-RNPF**

Inside Corner, left back power feed



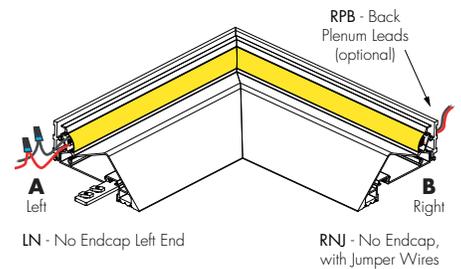
**KE-IC-90-XX-LN-RN-LNPF-RPB**

Inside Corner, right back power feed



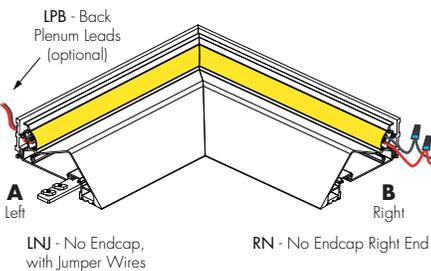
**KE-IC-90-XX-LNJ-RN-LNPF-RPB**

Inside Corner, jumper cables left, right back power feed



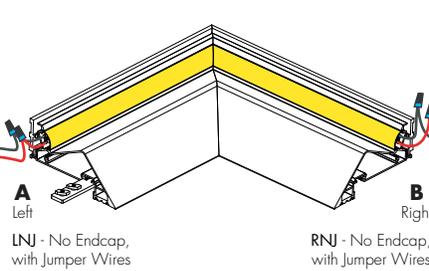
**KE-IC-90-XX-LN-RNJ-LPB-RNPF**

Inside Corner, left back power feed, jumper cables right



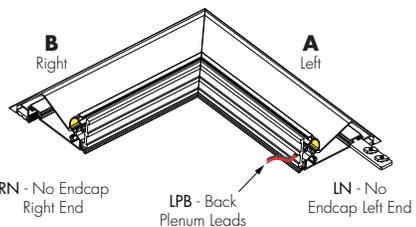
**KE-IC-90-XX-LNJ-RNJ-LNPF-RNPF**

Inside Corner, jumper cables left, jumper cables right



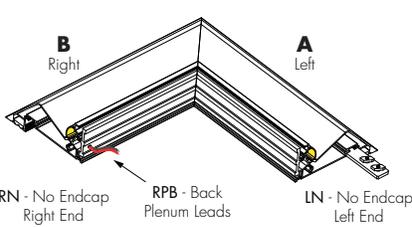
**KE-OC-90-XX-LN-RN-LPB-RNPF**

Outside Corner, left back power feed



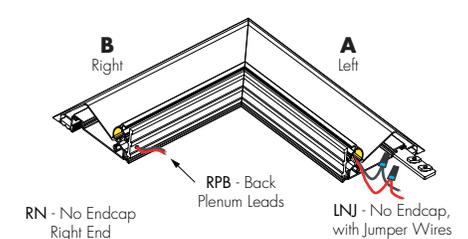
**KE-OC-90-XX-LN-RN-LNPF-RPB**

Outside Corner, right back power feed



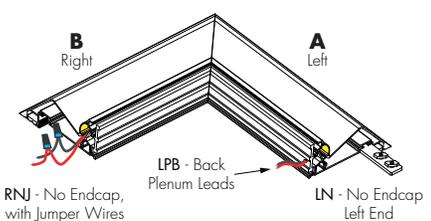
**KE-OC-90-XX-LNJ-RN-LNPF-RPB**

Outside Corner, jumper cables left, right back power feed



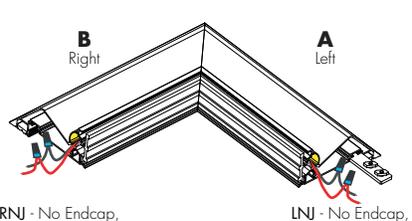
**KE-OC-90-XX-XX-LN-RNJ-LPB-RNPF**

Outside Corner, left back power feed, jumper cables right

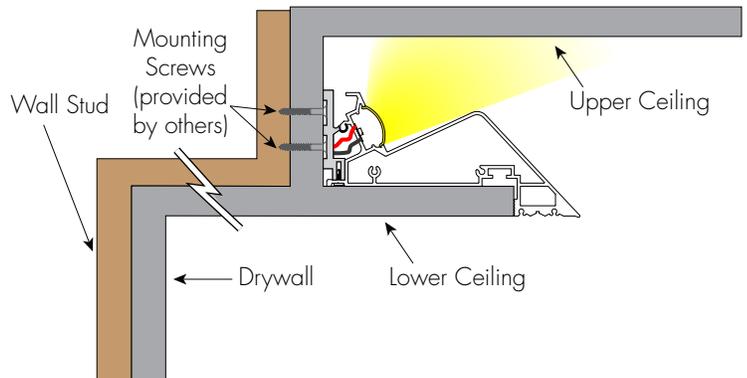
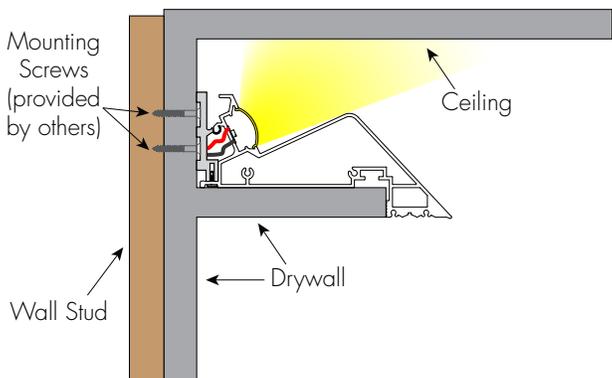
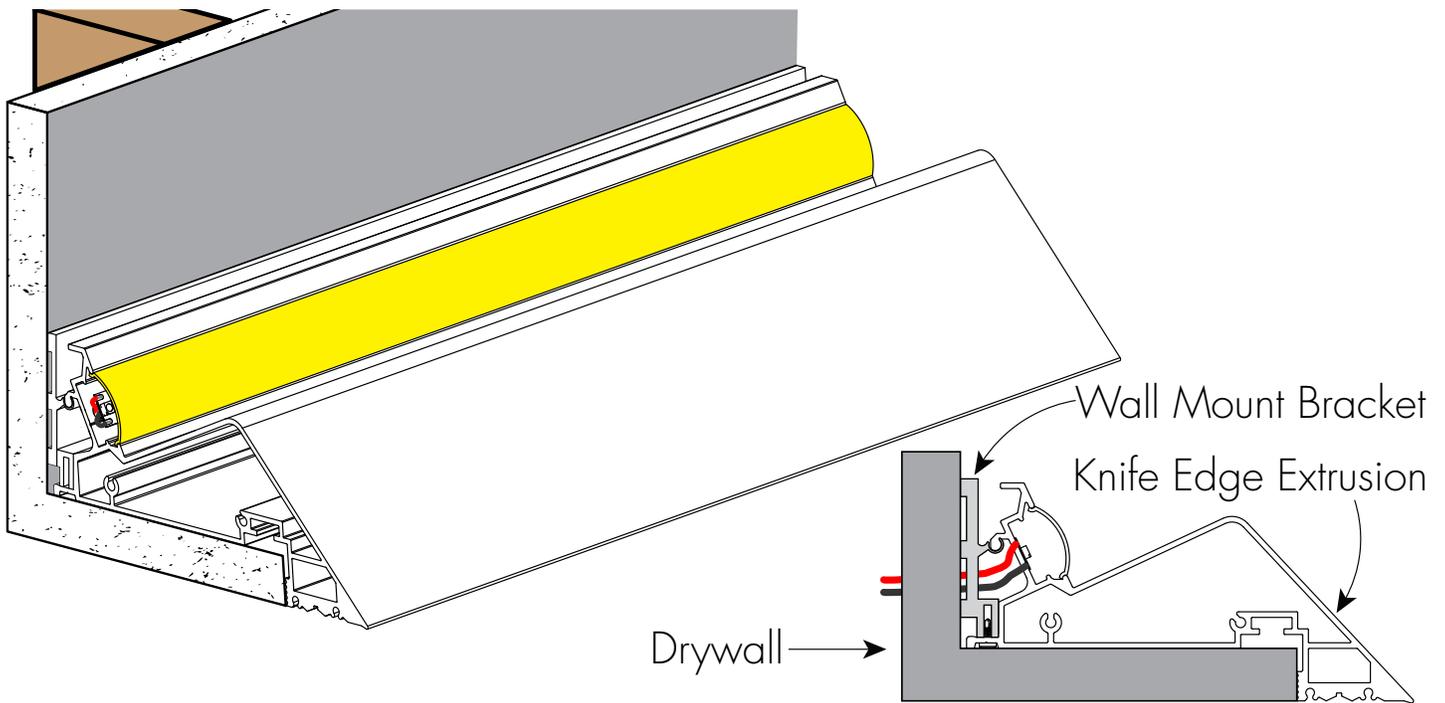
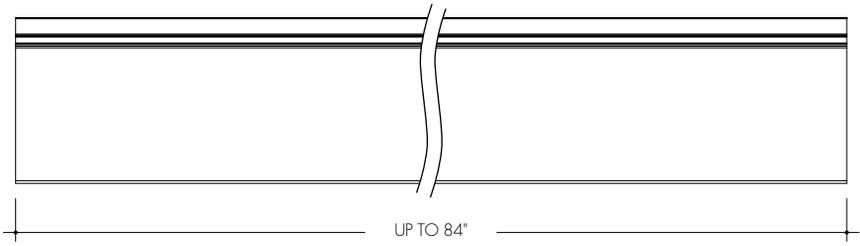
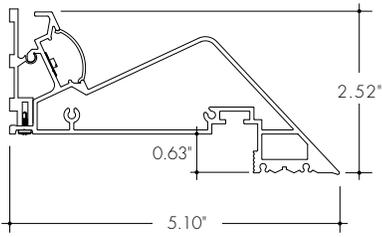


**KE-OC-90-XX-LNJ-RNJ-LNPF-RNPF**

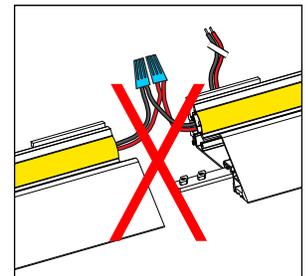
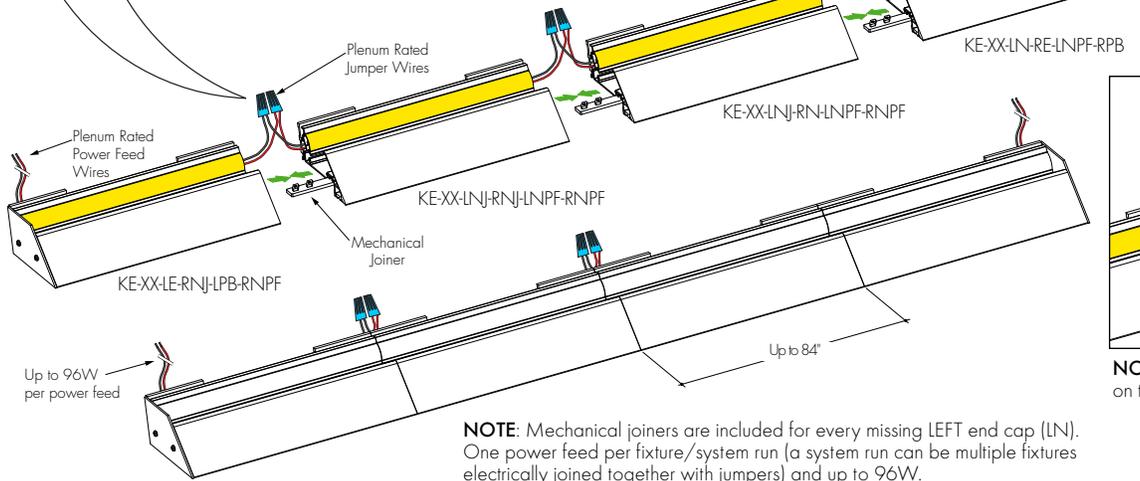
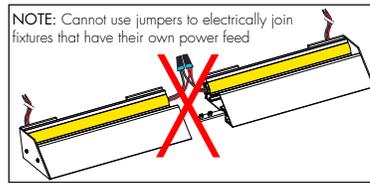
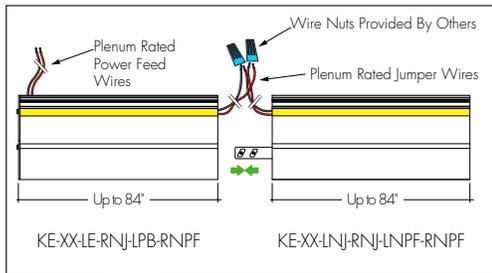
Outside Corner, jumper cables left, jumper cables right



Product Dimensions



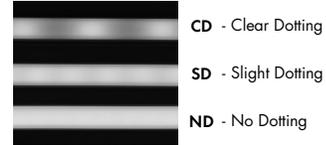
Sample Layout of Power Feed



**NOTE:** Mechanical joiners are included for every missing LEFT end cap (LN). One power feed per fixture/system run (a system run can be multiple fixtures electrically joined together with jumpers) and up to 96W.

Light Transmission and Dotting

Output Options	Lens/Accessory			
	Frosted Lens			
Dimming Level	100%	50%	10%	1%
VC72VLO	ND	ND	ND	ND
VC72LO	ND	ND	ND	ND
VC72SO	ND	ND	ND	ND
VC72MO	ND	ND	ND	ND
VC72HO	ND	ND	ND	ND
VC72VHO	ND	ND	ND	ND
HE64VLO	ND	ND	ND	ND
HE64LO	ND	ND	ND	ND
HE64SO	ND	ND	ND	ND
HE64MO	ND	ND	ND	ND
HE64HO	ND	ND	ND	ND
HE64VHO	ND	ND	ND	ND
<b>Transmission Percentage</b>	100%			



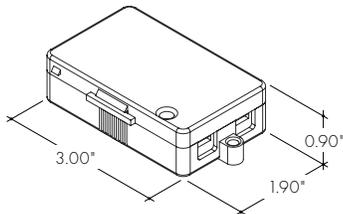
Use complete Dotting Chart Tool online for more dotting information



Accessory Options

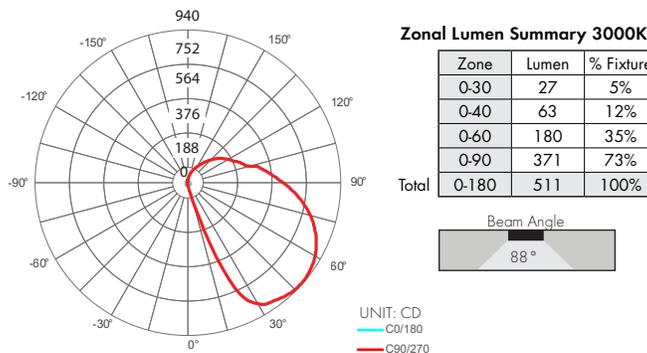
LVSP-4T-BK

Low Voltage, 4 Terminal Splice Box, Black, IP20



Photometry

KE-48-VC72VHO-30K-F  
Knife Edge, 4ft, VHO, 3000K, Frosted Lens



**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.



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

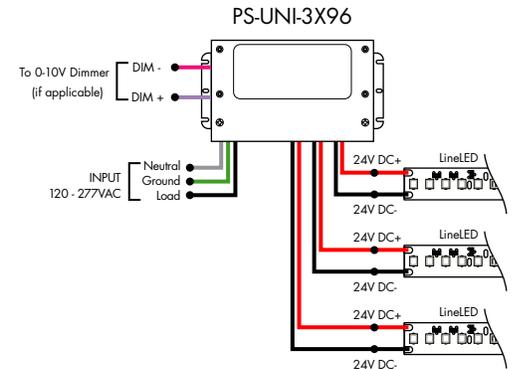
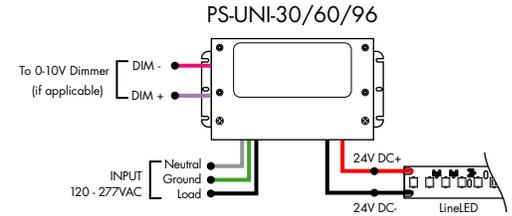
#### Ordering Code - Universal Dimming Power Supplies 0.1% 120VAC - 277VAC

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
<b>Length</b>	6.50"	7.40"	8.66"	11.85"
<b>Width</b>	3.73"	3.73"	3.73"	4.32"
<b>Depth</b>	1.61"	1.61"	1.61"	1.81"

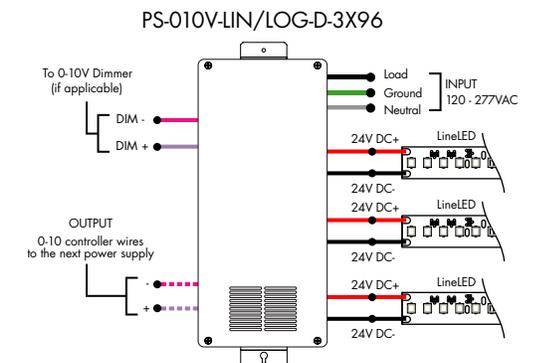
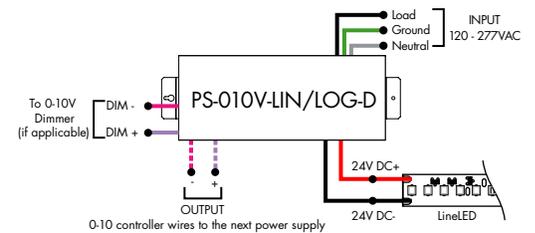


### For use with Static White

#### 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
<b>Length</b>	14.40"	15.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.45"



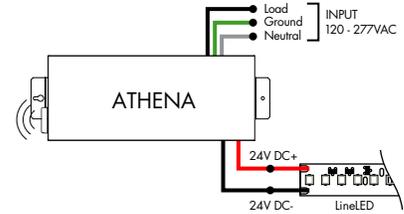
**Power Supplies**

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	AWN-R-Athena

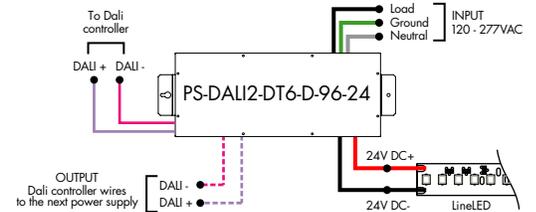


MODELS	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"

**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

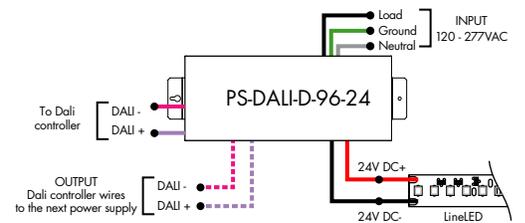


Model	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"

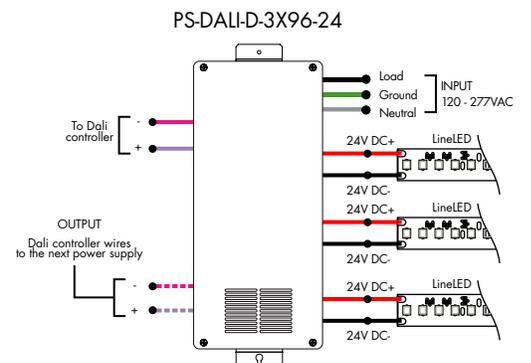
**For use with Static White**

**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
<b>Length</b>	14.40"	15.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	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.

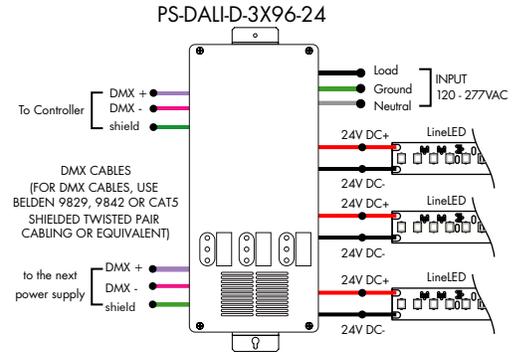
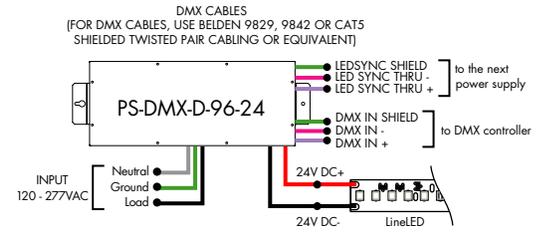
### For use with Static White

#### 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.

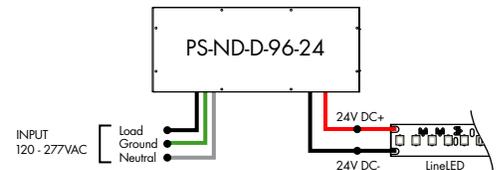


### For use with Static White

#### 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"

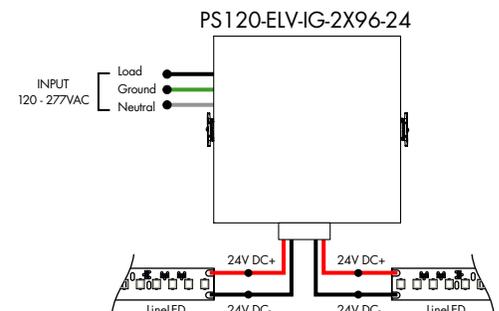


### For use with Static White

#### 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

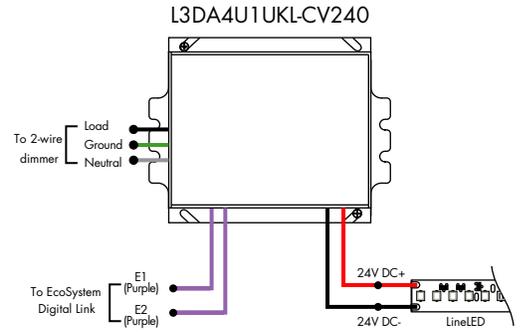
**Lutron Power Supplies 1%**

MODEL

**L3DA4U1UKL-CV240**

HiLume™ 1% EcoSystem Voltage LED driver 40W max

MODELS	L3DA4U1UKL-CV240
<b>Length</b>	4.98"
<b>Width</b>	4.00"
<b>Depth</b>	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
<b>Length</b>	10.50"
<b>Width</b>	5.50"
<b>Depth</b>	2.00"

