

Features

Kurba Large 3d Bending is a dot free direct view, highly versatile, energy efficient and flexible LED strip suitable for outdoor wet locations capable of horizontal/side bends and vertical/top bends with a 6" bending radius. The silicone material offers excellent heat, weather, UV, and solvent resistance and has a special coating to repel dust and dirt accumulation.

Applications

Indoor/Outdoor dry & wet location

Materials

Silicone for red list approved, as well as heat, weather, UV, and solvent resistance

Dimming

Dimable down to 1%. Dot Free even illumination. Also available with Black Lens

Average Life (L70)

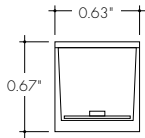
50,000 hours

Approvals

24VDC Class 2 wet listed, IP68

Warranty

3 years



Finish Options (see page 2 for additional information)

Base White



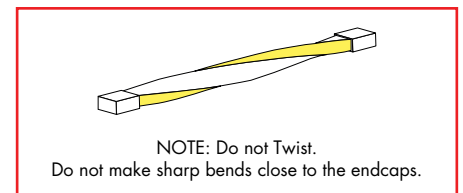
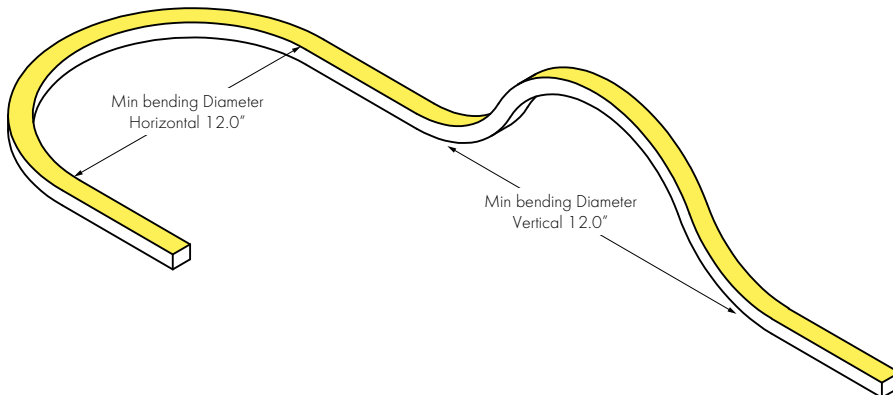
Technical Information

Bending Direction	3D
Output	3850
Light Output at 3000K	207 lm/ft
Average Power Consumption at 4'	3.66 W/ft
Efficacy	57 lm/W
Ordering Increment	2.19"
Maximum Run Length (In Series)	26'
Operating Temperature Range	-40°F to 131°F

CCT INFO / LUMEN MULTIPLIER	
Color Temperature	Multiplier (ref. -3000K)
2200K	1.00
2400K	1.00
2700K	1.00
3000K	1.00
3500K	1.00
4000K	1.00

Note: 80 CRI

Constraints



Ordering Code

MODEL	RATING	BEND DIRECTION	LENGTH	OUTPUT ¹	CCT	LENS	MOUNTING	FINISH	FEED POSITION LEFT	FEED POSITION RIGHT
KBL-Kurba Large	W-Wet	3D-3D Bending	SEE PCC CHART ON PAGES 5	3850-Standard	22K-2200K 27K-2700K 30K-3000K 35K-3500K 40K-4000K 57K-5700K	SF-Silicone Frosted	NA-No Mounting Option	WH-White	INJECTION MOLD IME-End Feed 1 IMB-Back Feed 1 IMSA-Side 1 Feed IMSB-Side 2 Feed NPF-No Power Feed ²	INJECTION MOLD IME-End Feed 1 IMB-Back Feed 1 IMSA-Side 1 Feed IMSB-Side 2 Feed NPF-No Power Feed ²

Feeds come with 118" wire leads

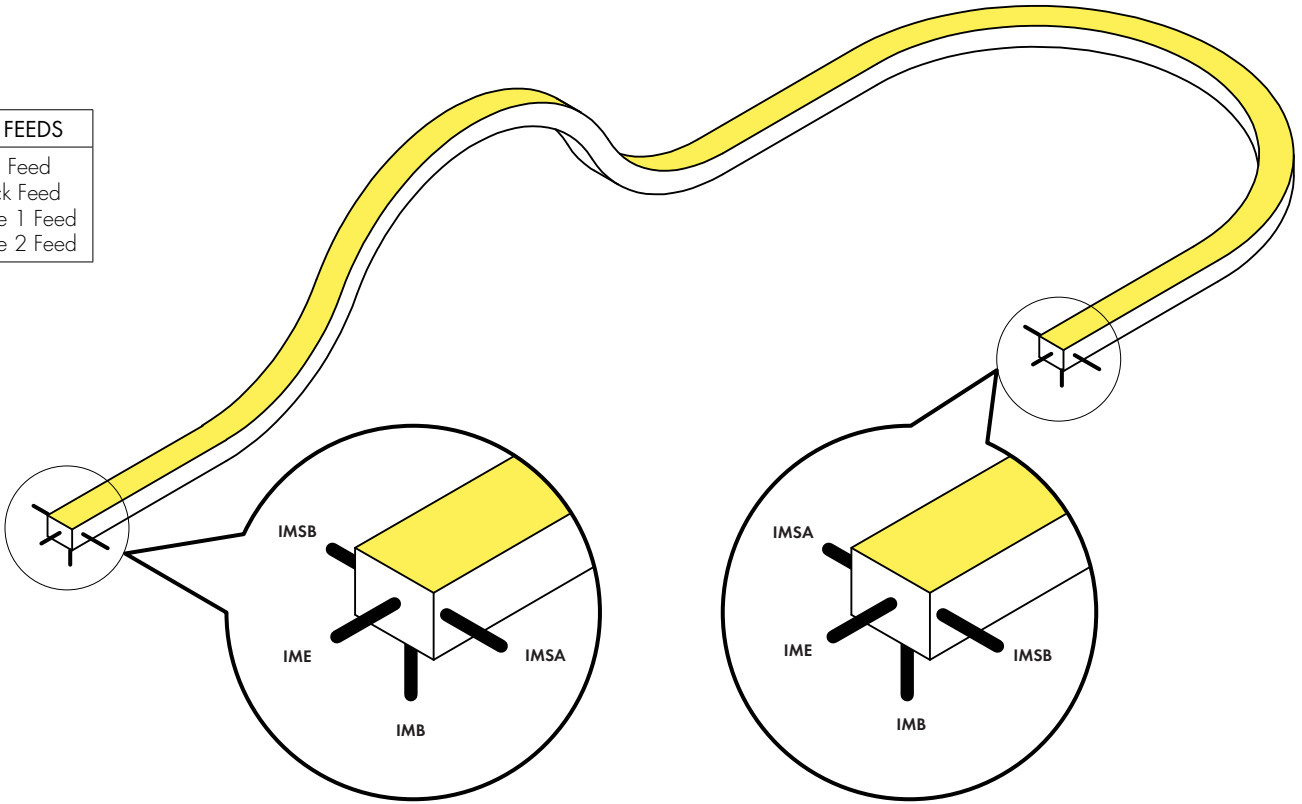
1 - Title 24 JA8 compliance achievable, contact factory for specific requests

2 - NPF/NPF for Feed Position 1&2 is not a valid configuration option

Powerfeeds and Connectors

Power Feed Position Options and Orientation

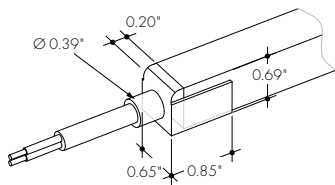
POWER FEEDS
IME - End Feed
IMB - Back Feed
IMSA - Side 1 Feed
IMSB - Side 2 Feed



Linking and Extension Cable Options

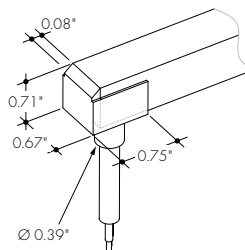
END CONNECTOR

Injection-molded End Connector
-IME



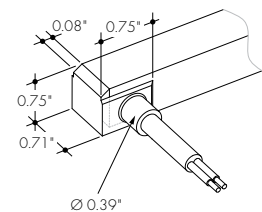
BACK CONNECTOR

Injection-molded Back Connector
-IMB



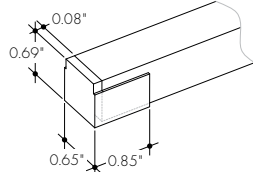
SIDE CONNECTOR

Injection-molded Side Connector
-IMSA and -IMSB



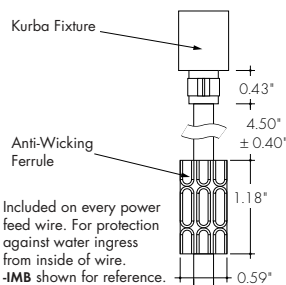
ENDCAP (NO CONNECTOR)

Injection-molded Cap (No Connector)
-NPF

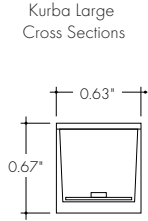


ANTI-WICKING FERRULE

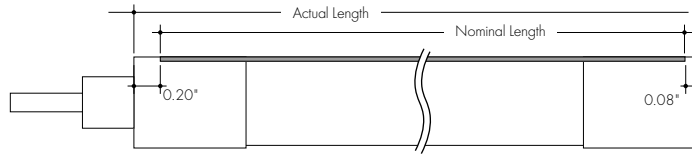
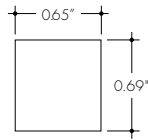
Included on every power feed wire



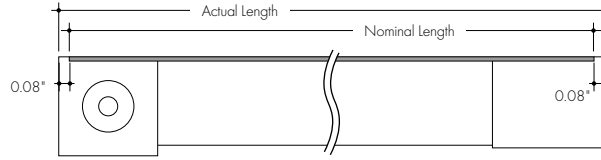
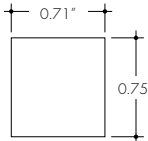
Product Dimensions



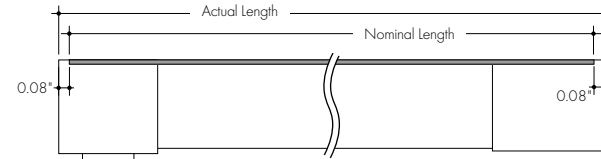
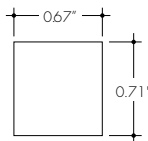
Example Feed Position
IME - NPF
 End Feed 1 to
 No Power Feed



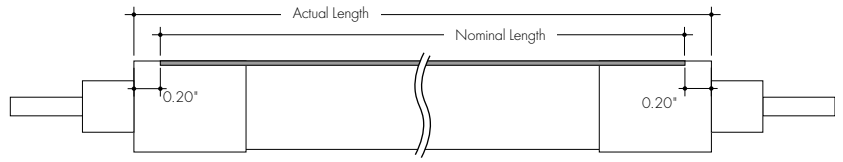
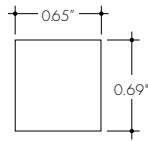
Example Feed Position
IMSA - NPF
 Side 1 Feed to
 No Power Feed



Example Feed Position
IMB - NPF
 Back Feed 1 to
 No Power Feed

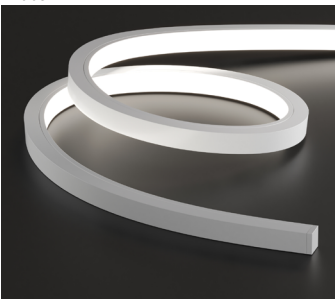


Example Feed Position
IME - IME
 End Feed 1 and
 End Feed 1



Finish Options

White Base



Kurba's base finish is a crisp white which brings a timeless, clean aesthetic that brightens and enhances any space

Light Transmission and Dotting

	Lens/Accessory
Output Options	Silicone Frosted/ White Finish
38SO	ND
Transmission Percentage	100%

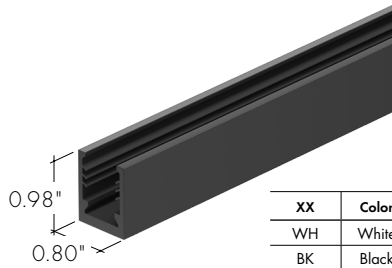


CD SD ND
 CD - Clear Dotting
 SD - Slight Dotting
 ND - No Dotting

Mounting Accessories

MC-KBL-BANP-3D-SM-39-XX

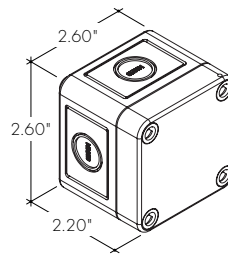
KBL Mounting Channel, Bendable Silicone Profile, 3D Bending, Surface Mount, 39", 6" bending radius



XX	Color
WH	White
BK	Black

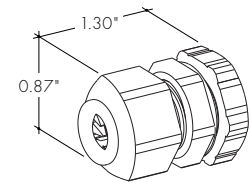
LVSP-WET

Splice box: wet rated, low voltage, gray



LVSP-WET-CM

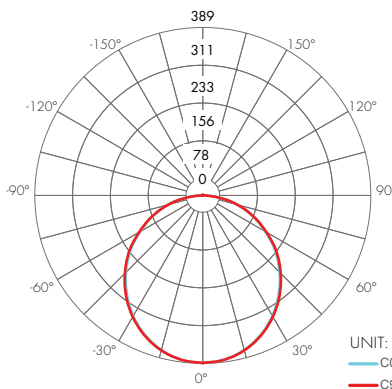
Connector for splice box, low voltage for cable management, gray



Photometry

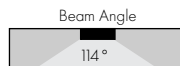
KBL-W-3D-48-38SO-30K-SF-NA-WH

Kurba Large, 3D Bend, 4ft, 3000K, 38SO output, Silicone Frosted Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	219	26.4%
0-40	301	36.3%
0-60	635	76.7%
0-90	819	98.9%
Total	828	100.0%



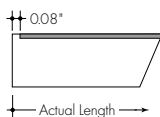
HE3850 | Power Consumption Per Fixture Length

Based on operation with PDCU series of power supplies. Use Actual Length for Order Code Entry.
 Tolerance for Actual Lengths less than 6 ft is +/- 0.2", Actual Lengths between 6 ft and 16 ft is +/- 0.3", and Actual Lengths greater than 16 ft is +/- 0.6"
 A - End Connector at both ends of Kurba (0.20" + 0.20" added to overall length)
 B - End Connector at one end of Kurba and No Connector or Back Connector or Side Connector at other end of Kurba (0.20" + 0.08" added to overall length)
 C - Any combination of No Connector, Back Connector, or Side Connector on each end of Kurba (0.08" + 0.08" added to overall length)

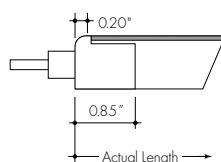
Nominal Length (in)	Actual Length (in)				Nominal Length (in)	Actual Length (in)				Nominal Length (in)	Actual Length (in)				Nominal Length (in)	Actual Length (in)			
	W	A	B	C		W	A	B	C		W	A	B	C		W	A	B	C
7	2.1	7.0	6.8	6.7	86	26.1	85.7	85.6	85.5	165	50.1	164.5	164.3	164.2	243	74.1	243.2	243.1	243.0
9	2.8	9.1	9.0	8.9	88	26.8	87.9	87.8	87.7	167	50.8	166.6	166.5	166.4	246	74.8	245.4	245.3	245.1
(1 ft) 11	3.5	11.3	11.2	11.1	90	27.5	90.1	90.0	89.8	(14 ft) 169	51.5	168.8	168.7	168.6	248	75.5	247.6	247.5	247.3
14	4.1	13.5	13.4	13.3	92	28.1	92.3	92.2	92.0	171	52.1	171.0	170.9	170.8	250	76.1	249.8	249.6	249.5
16	4.8	15.7	15.6	15.5	95	28.8	94.5	94.3	94.2	173	52.8	173.2	173.1	173.0	(21 ft) 252	76.8	252.0	251.8	251.7
18	5.5	17.9	17.8	17.7	(8 ft) 97	29.5	96.6	96.5	96.4	176	53.5	175.4	175.3	175.2	254	77.5	254.1	254.0	253.9
20	6.1	20.1	20.0	19.8	99	30.1	98.8	98.7	98.6	178	54.1	177.6	177.5	177.3	257	78.1	256.3	256.2	256.1
22	6.8	22.3	22.2	22.0	101	30.8	101.0	100.9	100.8	(15 ft) 180	54.8	179.8	179.6	179.5	259	78.8	258.5	258.4	258.3
(2 ft) 24	7.5	24.5	24.3	24.2	103	31.5	103.2	103.1	103.0	182	55.5	182.0	181.8	181.7	261	79.5	260.7	260.6	260.5
27	8.1	26.6	26.5	26.4	106	32.1	105.4	105.3	105.2	184	56.1	184.1	184.0	183.9	(22 ft) 263	80.1	262.9	262.8	262.6
29	8.8	28.8	28.7	28.6	(9 ft) 108	32.8	107.6	107.5	107.3	187	56.8	186.3	186.2	186.1	265	80.8	265.1	265.0	264.8
31	9.5	31.0	30.9	30.8	110	33.5	109.8	109.7	109.5	189	57.5	188.5	188.4	188.3	268	81.5	267.3	267.1	267.0
33	10.1	33.2	33.1	33.0	112	34.1	112.0	111.8	111.7	(16 ft) 191	58.1	190.7	190.6	190.5	270	82.1	269.5	269.3	269.2
(3 ft) 35	10.8	35.4	35.3	35.2	114	34.8	114.1	114.0	113.9	193	58.8	192.9	192.8	192.7	272	82.8	271.6	271.5	271.4
38	11.5	37.6	37.5	37.3	116	35.5	116.3	116.2	116.1	195	59.5	195.1	195.0	194.8	274	83.5	273.8	273.7	273.6
40	12.1	39.8	39.7	39.5	119	36.1	118.5	118.4	118.3	198	60.1	197.3	197.1	197.0	(23 ft) 276	84.2	276.0	275.9	275.8
42	12.8	42.0	41.8	41.7	(10 ft) 121	36.8	120.7	120.6	120.5	200	60.8	199.5	199.3	199.2	279	84.8	278.2	278.1	278.0
44	13.5	44.1	44.0	43.9	123	37.5	122.9	122.8	122.7	202	61.5	201.6	201.5	201.4	281	85.5	280.4	280.3	280.1
46	14.1	46.3	46.2	46.1	125	38.1	125.1	125.0	124.8	(17 ft) 204	62.1	203.8	203.7	203.6	283	86.2	282.6	282.5	282.3
(4 ft) 49	14.8	48.5	48.4	48.3	127	38.8	127.3	127.1	127.0	206	62.8	206.0	205.9	205.8	285	86.8	284.8	284.6	284.5
51	15.5	50.7	50.6	50.5	130	39.5	129.5	129.3	129.2	208	63.5	208.2	208.1	208.0	(24 ft) 287	87.5	286.9	286.8	286.7
53	16.1	52.9	52.8	52.7	(11 ft) 132	40.1	131.6	131.5	131.4	211	64.1	210.4	210.3	210.2	289	88.2	289.1	289.0	288.9
55	16.8	55.1	55.0	54.8	134	40.8	133.8	133.7	133.6	213	64.8	212.6	212.5	212.3	292	88.8	291.3	291.2	291.1
57	17.5	57.3	57.2	57.0	136	41.5	136.0	135.9	135.8	(18 ft) 215	65.5	214.8	214.6	214.5	294	89.5	293.5	293.4	293.3
(5 ft) 60	18.1	59.5	59.3	59.2	138	42.1	138.2	138.1	138.0	217	66.1	217.0	216.8	216.7	296	90.2	295.7	295.6	295.5
62	18.8	61.6	61.5	61.4	141	42.8	140.4	140.3	140.2	219	66.8	219.1	219.0	218.9	298	90.8	297.9	297.8	297.6
64	19.5	63.8	63.7	63.6	143	43.5	142.6	142.5	142.3	222	67.5	221.3	221.2	221.1	(25 ft) 300	91.5	300.1	300.0	299.8
66	20.1	66.0	65.9	65.8	(12 ft) 145	44.1	144.8	144.6	144.5	224	68.1	223.5	223.4	223.3	302	92.2	302.3	302.1	302.0
68	20.8	68.2	68.1	68.0	147	44.8	147.0	146.8	146.7	226	68.8	225.7	225.6	225.5	304	92.8	304.4	304.3	304.2
70	21.5	70.4	70.3	70.2	149	45.5	149.1	149.0	148.9	(19 ft) 228	69.5	227.9	227.8	227.6	307	93.5	306.6	306.5	306.4
(6 ft) 73	22.1	72.6	72.5	72.3	152	46.1	151.3	151.2	151.1	230	70.1	230.1	230.0	229.8	309	94.2	308.8	308.7	308.6
75	22.8	74.8	74.7	74.5	154	46.8	153.5	153.4	153.3	233	70.8	232.3	232.1	232.0	(26 ft) 311	94.8	311.0	310.9	310.8
77	23.5	77.0	76.8	76.7	(13 ft) 156	47.5	155.7	155.6	155.5	235	71.5	234.5	234.3	234.2					
80	24.1	79.1	79.0	78.9	158	48.1	157.9	157.8	157.7	237	72.1	236.6	236.5	236.4					
81	24.8	81.3	81.2	81.1	160	48.8	160.1	160.0	159.8	(20 ft) 239	72.8	238.8	238.7	238.6					
(7 ft) 84	25.5	83.5	83.4	83.3	162	49.5	162.3	162.1	162.0	241	73.5	241.0	240.9	240.8					

Note: all values are rounded to the nearest 0.1 inch

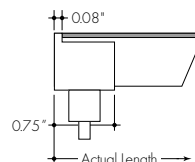
Endcap (No Connector) -NPF



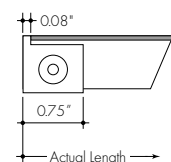
End Connector -IME



Back Connector -IMB



Side Connector -IMSA -IMSB



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 1% 120VAC - 277VAC

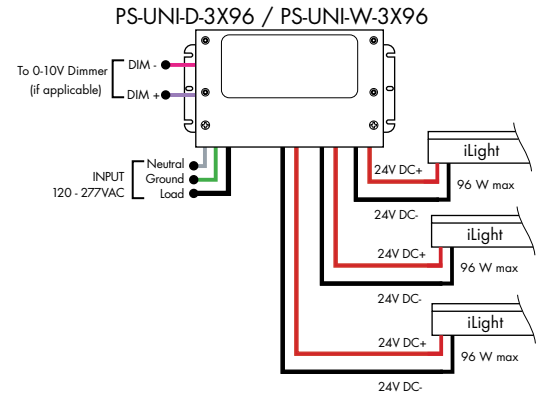
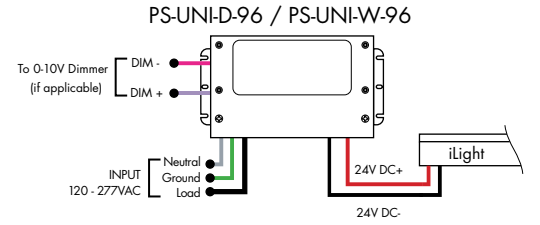
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	UNI-0-10V Dimming, Phase Dimming	D-Dry W-Wet	30-30 Watts 60-60 Watts 96-96 Watts 3x96-3x96 Watts	24-24 VDC

Compatibility: View a complete list of compatible dimmers on product page [\(Link\)](#)

0-10V - 1% dimming
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart

MODELS	PS-UNI-W-30W	PS-UNI-W-60W	PS-UNI-W-96W	PS-UNI-W-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"

MODELS	PS-UNI-D-30W	PS-UNI-D-60W	PS-UNI-D-96W	PS-UNI-D-3X96W
Length	8.77"	8.77"	8.11"	9.94"
Width	4.27"	4.27"	5.60"	7.61"
Depth	1.83"	1.83"	1.83"	2.02"

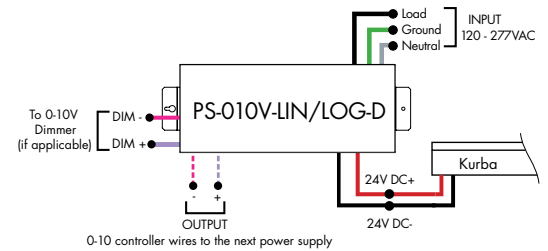
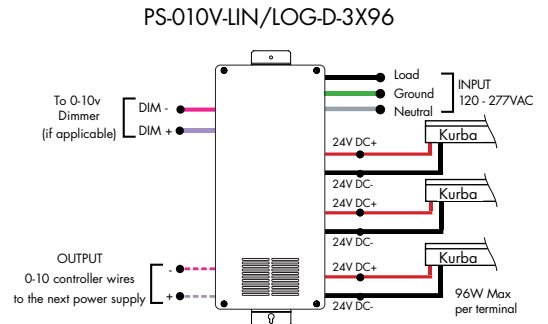


For use with Static White

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

MODEL	POWER	OUTPUT	INPUT CONTROL	ENVIRONMENT
PS-Power Supply, 120-277VAC	96-96 Watts 3x96-3x96 Watts	24-24 VDC	010V-LIN-0-10V Dimming (0.1%), Linear 010V-LOG-0-10V Dimming (0.1%), Logarithmic	D-Dry

MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.45"



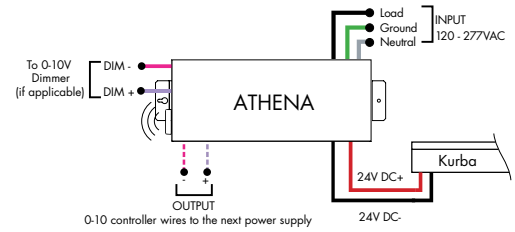
Power Supplies

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

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



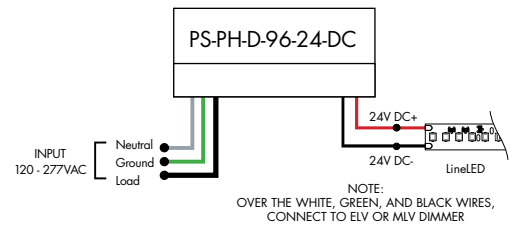
MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

For use with Static White

Ordering Code Phase Dimming Power Supply 1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	OUTPUT CONTROL
PS-Power Supply, 120-277VAC	PH-Phase Dimming (Triac, ELV, MLV)	D-Dry	96-96 Watts	24-24 VDC	DC-Direct Current

MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart ([link](#))



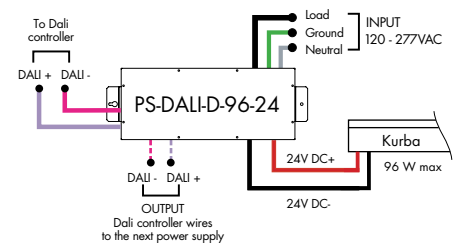
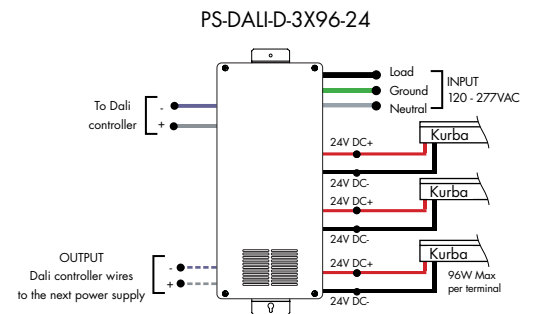
MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"

For use with Static White

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

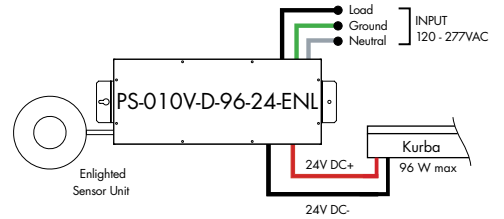
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

For use with Static White

Athena 0-10V LED Driver

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS-Power Supply, 120-277VAC	010V-0-10V Dimming (1%)	D-Dry	96-96 Watts	24-24 VDC	ENL-0-10V Enlightened

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



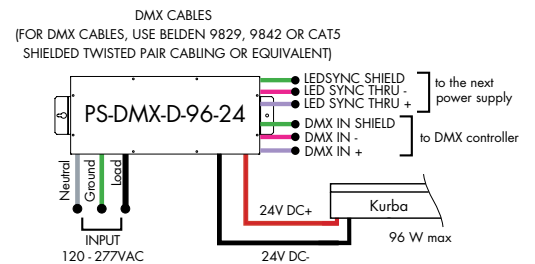
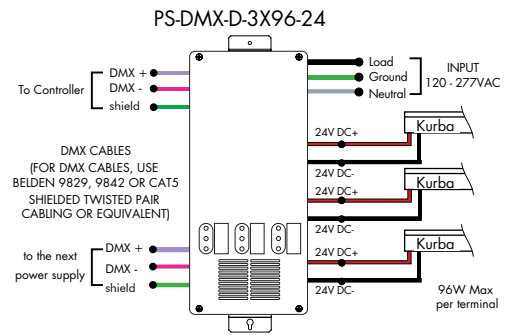
For use with Static White

Requires Zonal Control

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"

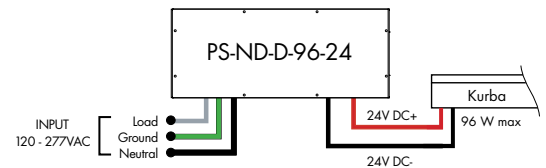


For use with Static White

DMX Dimming Power Supplies 0.1% 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"



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.

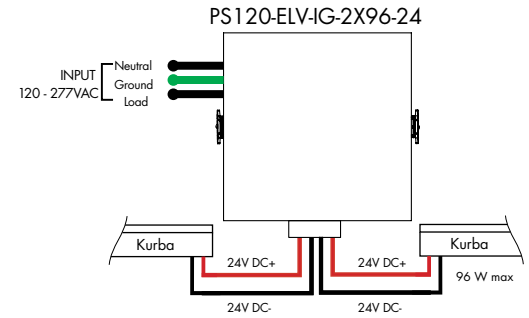
For use with Static White

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"



Luminii is a Lutron OEM Advantage Partner

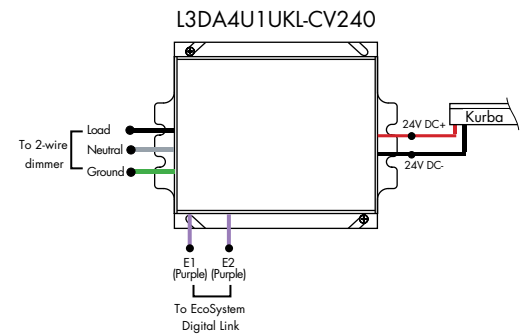
Lutron Power Supplies 1%

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"

