

Features

Kurba Vertical Warm Dim is a direct view, small profile, energy efficient and flexible LED strip suitable for wet locations capable of vertical/top bends up to 6" radius. Built with robust factory made power feeds or joiners, Kurba Vertical Warm Dim mounts to a specifically designed aluminum extruded channel. Compatibility with ELV and Incandescent dimmers simplifies installation for residential or hospitality applications.

Applications

Outdoor wet location

Operating Voltage

24VDC

Operating Temperature

-40°F to 131°F (-40°C to 55°C)

Average Life

50,000 hours

Dimming

Low voltage dimmer and class 2 dimming power supply required

Approvals

Class 2 wet listed, IP67

Warranty

3 years



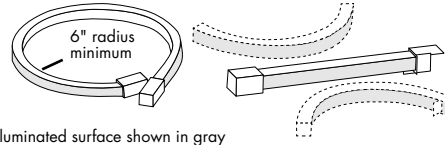
Technical Information

Model	KBL-SF-V-WD18K30K
LEDs/ft	59
Light Output at 3000K	213 lm/ft
Average Power Consumption at 4'	3.7 W/ft
Ordering Increment	2.46"
Maximum Run Length (In Series)	25'

Constraints

Bend Direction

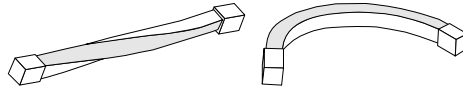
Bend LED in these positions only to avoid damage



Illuminated surface shown in gray

Prohibited Bends

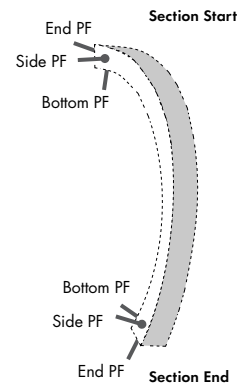
Twisting or bending LED in these positions will cause damage



Illuminated surface shown in gray

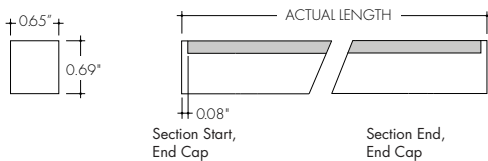
Note: for horizontal bends refer to Luminii KBM series
Do not make sharp bends near the endcap

Power Feed Locations

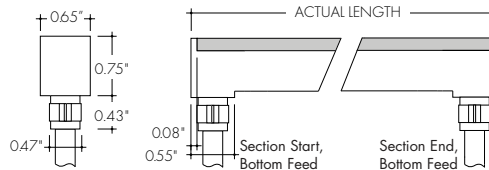


Section Start/End Power Feed Options

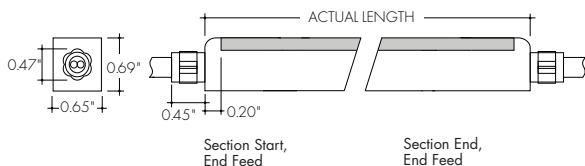
Injection Molded End Cap (IEC)



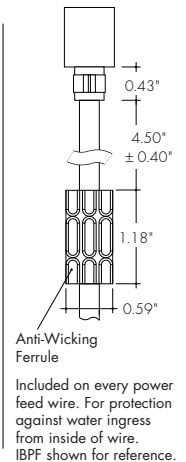
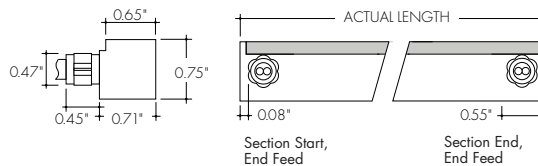
Injection Molded Bottom Power Feed (IBPF)



Injection Molded End Power Feed (IEPF)



Injection Molded Side Power Feed (ISPF)



Ordering Code

MODEL	COLOR	SECTION START	SECTION END	ACTUAL LENGTH
KBL-SF-V-Kurba Large, Flat, Vertical/Top Bend	WD18K30K-Warm Dim 1800K-3000K	IEC-Injection Molded End Cap ¹ IEPF-Injection Molded End Power Feed (9' wire lead) ¹ IBPF-Injection Molded Bottom Power Feed (9' wire lead) ¹ ISPF-Side Power Feed (9' wire lead) ^{1,2}	IEC-Injection Molded End Cap ¹ IEPF-Injection Molded End Power Feed (9' wire lead) ¹ IBPF-Injection Molded Bottom Power Feed (9' wire lead) ¹ ISPF-Side Power Feed (9' wire lead) ^{1,2}	See Power Consumption table on page 3 for available lengths

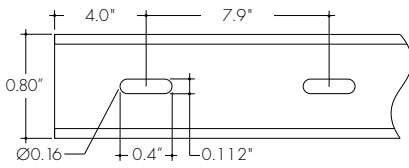
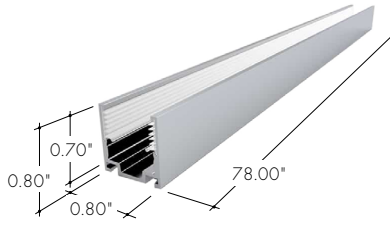
1 - 6-8 weeks lead time. Kurba injected-molded orders are non-cancellable. IEPF, IBPF, ISPF cannot be mixed and matched from Start to End except with IEC.

2 - ISPF Side power feeds selected for both Section Start and End will be located on the same side of the strip.

Mounting Accessories & Optional Connectors

MC-NFS-KBL-F-V-78

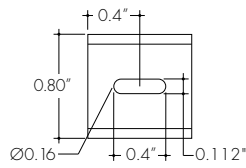
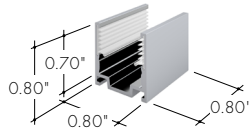
Mounting Channel with Grip, 78"



Aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

MB-KBL-F-V-ST

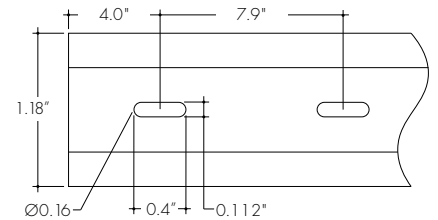
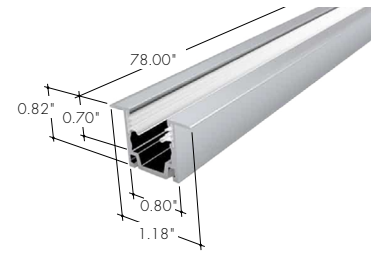
Mounting Bracket with Grip



Aluminum mounting bracket providing grip. For use with light strip mounted to the ceiling. 1 recommended every 8 in.

MC-FS-KBL-F-V-78

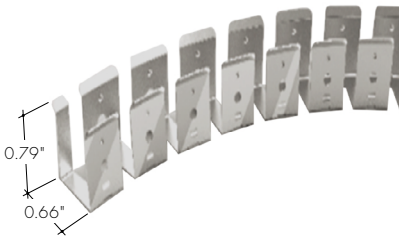
Flanged Mounting Channel with grip, 78"



Flanged aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

MC-BNS-KBL-F-V-34

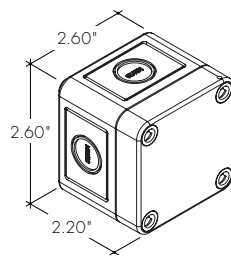
Bendable Mounting Channel with grip, 34"



Bendable stainless steel mounting channel providing grip. For use with light strip mounted to the ceiling.

LVSP-WET

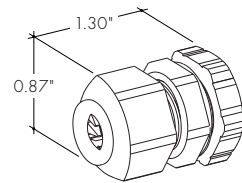
Splice Box



Wet rated, low voltage splice box, gray.

LVSP-WET-CM

Connector



Low voltage splice box wet cable management, gray.

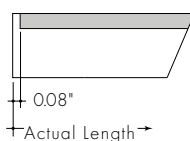
Power Consumption Per Fixture Length

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"

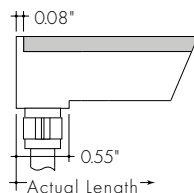
Nominal Length (inch)	Actual Length (in)				Nominal Length (inch)	Actual Length (in)				Nominal Length (inch)	Actual Length (in)				Nominal Length (inch)	Actual Length (in)			
	W	IEPF	IEC IEPF	IEC IBPF ISPF		W	IEPF	IEC IEPF	IEC IBPF ISPF		W	IEPF	IEC IEPF	IEC IBPF ISPF		W	IEPF	IEC IEPF	IEC IBPF ISPF
3	-	-	-	-	(7 ft) 84	25.6	84.1	83.9	83.8	165	50.4	165.3	165.1	165	246	75.1	246.5	246.3	246.2
5	-	-	-	-	87	26.4	86.5	86.4	86.3	(14 ft) 168	51.1	167.7	167.6	167.5	249	75.9	248.9	248.8	248.7
8	2.4	7.8	7.7	7.5	89	27.1	89	88.9	88.7	170	51.9	170.2	170.1	169.9	(21 ft) 251	76.6	251.4	251.3	251.1
10	3.1	10.2	10.1	10	91	27.9	91.4	91.3	91.2	173	52.6	172.6	172.5	172.4	254	77.4	253.8	253.7	253.6
(1 ft) 13	3.9	12.7	12.6	12.5	94	28.6	93.9	93.8	93.7	175	53.4	175.1	175	174.9	256	78.1	256.3	256.2	256.1
15	4.6	15.2	15	14.9	(8 ft) 96	29.4	96.4	96.2	96.1	178	54.1	177.6	177.4	177.3	259	78.9	258.8	258.6	258.5
18	5.4	17.6	17.5	17.4	99	30.1	98.8	98.7	98.6	(15 ft) 180	54.9	180	179.9	179.8	261	79.6	261.2	261.1	261
20	6.1	20.1	20	19.8	101	30.9	101.3	101.2	101	182	55.6	182.5	182.4	182.2	(22 ft) 264	80.4	263.7	263.6	263.4
23	6.9	22.5	22.4	22.3	104	31.6	103.7	103.6	103.5	185	56.4	184.9	184.8	184.7	266	81.1	266.1	266	265.9
(2 ft) 25	7.6	25	24.9	24.8	106	32.4	106.2	106.1	106	187	57.1	187.4	187.3	187.2	269	81.9	268.6	268.5	268.4
27	8.4	27.5	27.3	27.2	(9 ft) 109	33.1	108.7	108.5	108.4	190	57.9	189.9	189.7	189.6	271	82.6	271.1	270.9	270.8
30	9.1	29.9	29.8	29.7	111	33.9	111.1	111	110.9	(16 ft) 192	58.6	192.3	192.2	192.1	274	83.4	273.5	273.4	273.3
32	9.9	32.4	32.3	32.1	114	34.6	113.6	113.5	113.3	195	59.4	194.8	194.7	194.5	(23 ft) 276	84.1	276	275.9	275.8
(3 ft) 35	10.6	34.8	34.7	34.6	116	35.4	116	115.9	115.8	197	60.1	197.3	197.1	197	278	84.9	278.5	278.3	278.2
37	11.4	37.3	37.2	37.1	119	36.1	118.5	118.4	118.3	200	60.9	199.7	199.6	199.5	281	85.6	280.9	280.8	280.7
40	12.1	39.8	39.7	39.5	(10 ft) 121	36.9	121	120.9	120.7	202	61.6	202.2	202.1	201.9	283	86.4	283.4	283.3	283.1
42	12.9	42.2	42.1	42	123	37.6	123.4	123.3	123.2	(17 ft) 205	62.4	204.6	204.5	204.4	286	87.1	285.8	285.7	285.6
45	13.6	44.7	44.6	44.5	126	38.4	125.9	125.8	125.7	207	63.1	207.1	207	206.9	(24 ft) 288	87.9	288.3	288.2	288.1
(4 ft) 47	14.4	47.2	47	46.9	128	39.1	128.4	128.2	128.1	210	63.9	209.6	209.4	209.3	291	88.6	290.8	290.6	290.5
50	15.1	49.6	49.5	49.4	(11 ft) 131	39.9	130.8	130.7	130.6	212	64.6	212	211.9	211.8	293	89.4	293.2	293.1	293
52	15.9	52.1	52	51.8	133	40.6	133.3	133.2	133	214	65.4	214.5	214.4	214.2	296	90.1	295.7	295.6	295.4
55	16.6	54.5	54.4	54.3	136	41.4	135.7	135.6	135.5	(18 ft) 217	66.1	216.9	216.8	216.7	298	90.9	298.1	298	297.9
57	17.4	57	56.9	56.8	138	42.1	138.2	138.1	138	219	66.9	219.4	219.3	219.2	(25 ft) 301	91.6	300.6	300.5	300.4
(5 ft) 59	18.1	59.5	59.3	59.2	141	42.9	140.7	140.5	140.4	222	67.6	221.9	221.7	221.6					
62	18.9	61.9	61.8	61.7	(12 ft) 143	43.6	143.1	143	142.9	224	68.4	224.3	224.2	224.1					
64	19.6	64.4	64.3	64.1	146	44.4	145.6	145.5	145.3	(19 ft) 227	69.1	226.8	226.7	226.5					
67	20.4	66.8	66.7	66.6	148	45.1	148	147.9	147.8	229	69.9	229.2	229.1	229					
69	21.1	69.3	69.2	69.1	150	45.9	150.5	150.4	150.3	232	70.6	231.7	231.6	231.5					
(6 ft) 72	21.9	71.8	71.6	71.5	153	46.6	153	152.8	152.7	234	71.4	234.2	234	233.9					
74	22.6	74.2	74.1	74	(13 ft) 155	47.4	155.4	155.3	155.2	237	72.1	236.6	236.5	236.4					
77	23.4	76.7	76.6	76.4	158	48.1	157.9	157.8	157.6	(20 ft) 239	72.9	239.1	239	238.8					
79	24.1	79.1	79	78.9	160	48.9	160.3	160.2	160.1	242	73.6	241.5	241.4	241.3					
82	24.9	81.6	81.5	81.4	163	49.6	162.8	162.7	162.6	244	74.4	244	243.9	243.8					

Note: all values are rounded to the nearest 0.1 inch

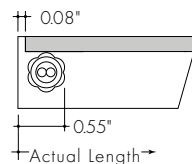
Injection Molded End Cap (IEC)



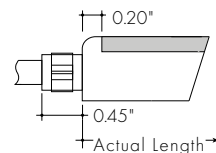
Injection Molded Bottom Power Feed (IBPF)



Injection Molded Side Power Feed (ISPF)



Injection Molded End Power Feed (IEPF)



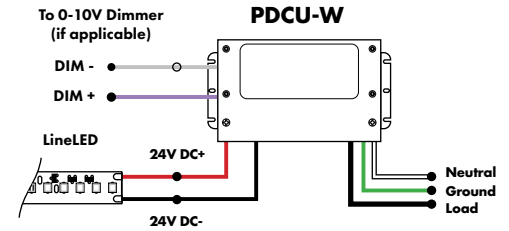
Power Supplies

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.

Universal Power Supply 1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PDCU-W - IP66 Wet Series	96 - 96 W 3X96 - 3X96 W	

0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.
For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.

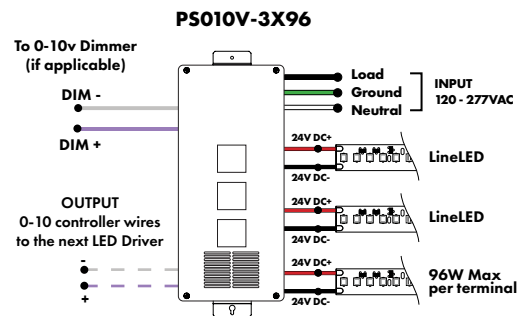
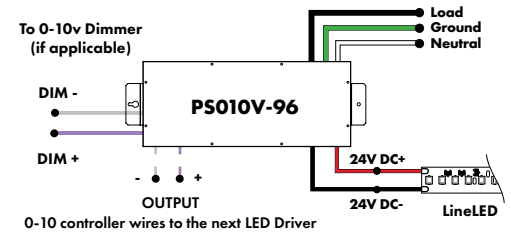


MODELS	PDCU-W 96W	PDCU-W 3X96W
Length	8.66"	11.85"
Width	3.73"	4.32"
Depth	1.61"	1.81"

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

MODEL	POWER	OUTPUT	DIMMING
PS010V - 0-10V Power Supply dims down to 0.1%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC	LIN - Linear LOG - Logarithmic

MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



Power Supplies

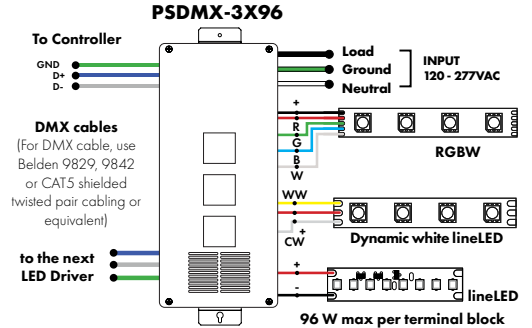
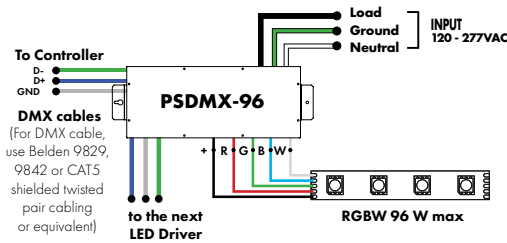
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX - DMX Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"

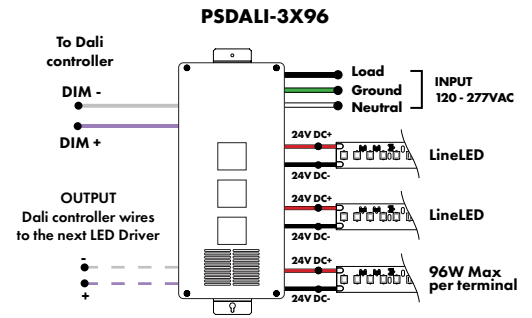
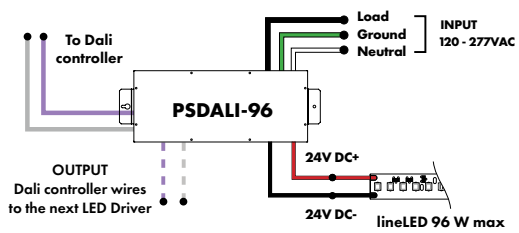


DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDALI - DALI Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

Model	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



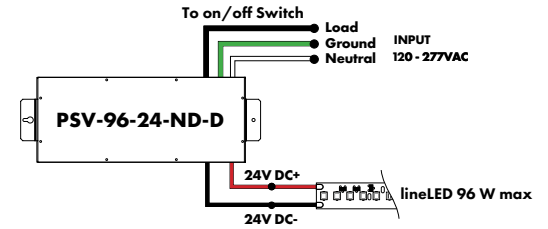
Power Supplies

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.

Non-Dimming Power Supply 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ND - Non Dimming	D - Damp

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



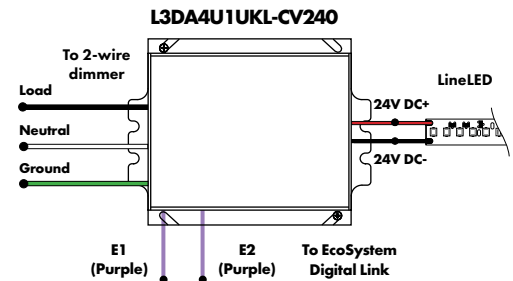
Luminii is a Lutron OEM Advantage Partner

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"



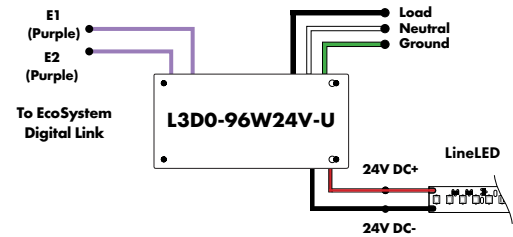
Luminii is a Lutron OEM Advantage Partner

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"



In-Ground Power Supplies

MODEL	POWER	OUTPUT	INPUT
IG - In ground CVE Series	CVE - ELV Dimming DALI - eldoLED Dali dimming Both dims down to 0%	96X2 - 2 X 96 Watt 24 - 24 VDC	Blank - 120 V 277 - 240/277 V

MODELS	Dual Circuit
Length	8.40"
Width	8.30"
Depth	8.10"

