



Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 35' depending on output
- Suitable for undercabinet, millwork recessed and surface mount applications
- Approved for closet/storage space installation per NEC 410.16(A)(3) and 410.16(C)(5)
- Vibrant colors with R9 values up to 98
- Single micro binned LEDs +/- 30 CCT
- Dims with minimal color shift
- Class 2 listed for damp locations
- Proprietary strong bond solder method handles up to 50lbs of torque on wire leads and connectors
- 5 Year warranty



Finish options



Silver anodized

IC RATED

Black powder coated

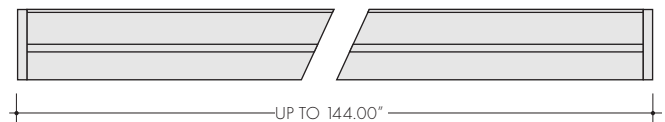
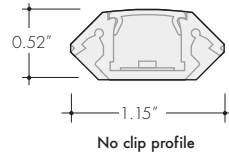
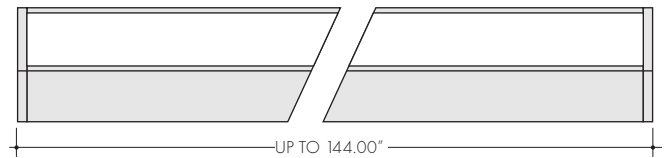
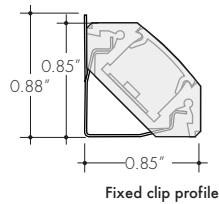
RoHS Compliant

Bronze powder coated



White powder coated

Profile dimensions



Technical information

OUTPUT OPTIONS

Output	Lumens at 3000K (with clear lens)	Average power consumption at 4'	Lumens / Watt (with clear lens)	Maximum system length In series
SO (LL36)	199 lm/ft	3.2 W/ft	64 lm/W	35'
HO (LL54)	295 lm/ft	5.2 W/ft	62 lm/W	26'
VHO (LL72)	408 lm/ft	6.5 W/ft	65 lm/W	18'

CCT INFO/LUMEN MULTIPLIER

Color temperature	Multiplier (reference - 3000K)	CRI	R _f	R _g
2200K	0.87	86	87	98
2400K	0.73	98	95	102
2700K	0.81	97	95	101
2900K	0.86	97	94	101
3000K	1.00	91	89	98
3500K	1.05	94	90	102
4100K	1.28	94	86	96

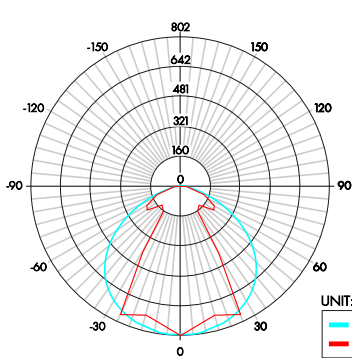
TM-30-15

Ordering code

MODEL	LENGTH	CCT	OUTPUT	LENS	MOUNTING	FINISH	POWER FEED POSITION / TYPE	
K45M	12	22K	SO	C	FC	SA	E	1
K45M - Kendo 45M	12" - 144" 4" increments	22K - 2200 K 24K - 2400 K 27K - 2700 K 29K - 2900 K 30K - 3000 K 35K - 3500 K 41K - 4100 K	SO - Standard HO - High VHO - Very High	C - Clear HF - Half-Frosted F - Frosted 13 - 13° Semifrosted	FC - Fixed clip NC - No clip	SA - Silver BK - Black BZ - Bronze WH - White (BK,BZ,WH finishes will have an upcharge and require longer lead times)	E - End B - Bottom 1 - 72" wire leads 1X2 - 72" wire leads at both ends 2 - 72" wire leads at one end and quick connect at other 3 - Single quick connect 4 - Dual quick connect	

Photometry

K45M-48-30K-VHO-C-XX



Zonal Lumen Summary 3000K

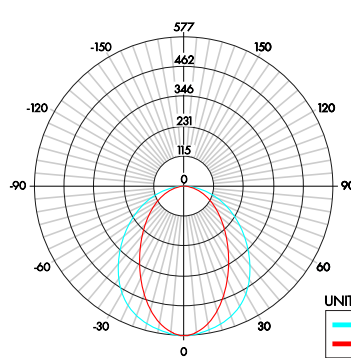
Zone	Lumen	% Fixture
0-30	612	37%
0-40	917	56%
0-60	1357	83%
0-90	1614	99%
Total	1633	100%

Beam Angle



UNIT: CD
 C0/180
 C90/270

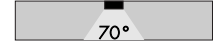
K45M-48-30K-VHO-HF-XX



Zonal Lumen Summary 3000K

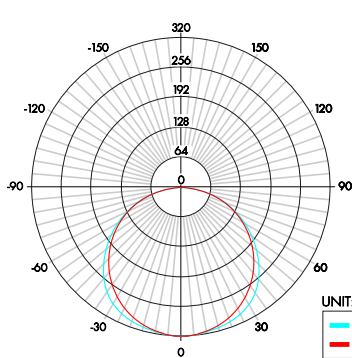
Zone	Lumen	% Fixture
0-30	411	33%
0-40	639	52%
0-60	1023	83%
0-90	1222	99%
Total	1234	100%

Beam Angle



UNIT: CD
 C0/180
 C90/270

K45M-48-30K-VHO-F-XX



Zonal Lumen Summary 3000K

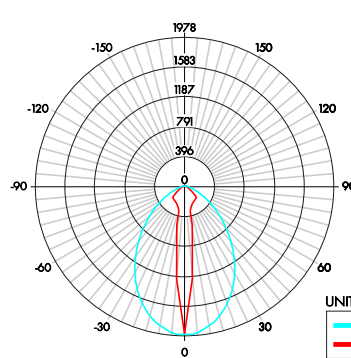
Zone	Lumen	% Fixture
0-30	254	26%
0-40	421	43%
0-60	754	77%
0-90	969	99%
Total	982	100%

Beam Angle



UNIT: CD
 C0/180
 C90/270

K45M-48-30K-VHO-13-XX



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	593	40%
0-40	830	56%
0-60	1224	83%
0-90	1438	98%
Total	1471	100%

Beam Angle



UNIT: CD
 C0/180
 C90/270

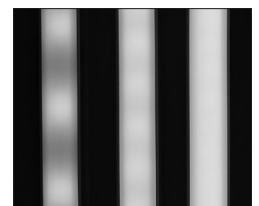
Light Transmission

Lens/Accessory	Percentage Light Transmission
clear lens	100%
13° semi-frosted lens	90%
half-frosted lens	76%
frosted lens	60%

LED Dotting per extrusion

output	Lens			
	Clear	Half - Frosted	Frosted	13° semi-frosted lens
SO (LL36)	CD	CD	ND	CD
HO (LL54)	CD	CD	ND	CD
VHO (LL72)	CD	CD	ND	CD

CD = Clear Dotting
 SD = Slight Dotting
 ND = No Dotting

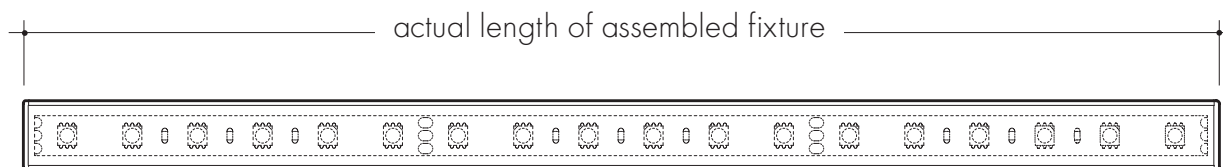


Clear Dotting Slight Dotting NO Dotting

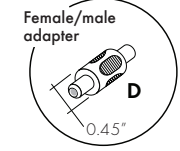
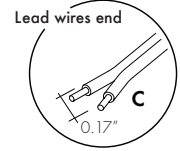
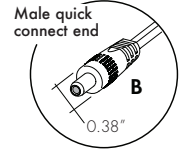
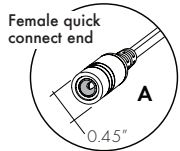
Power consumption per fixture length

Based on operation with PSD series of power supplies.

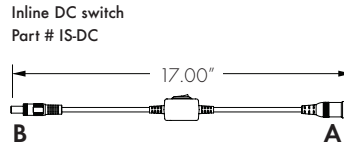
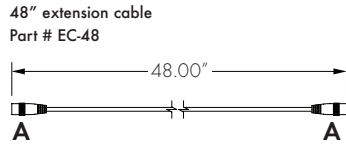
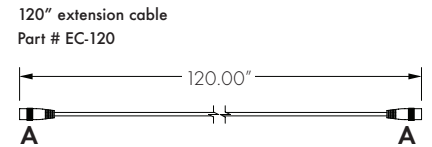
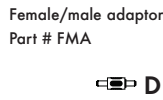
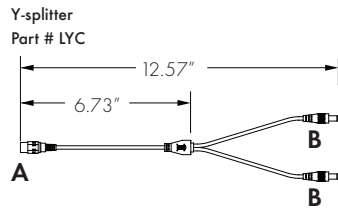
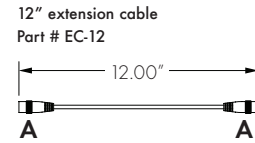
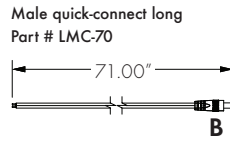
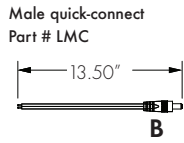
Nominal Length	Actual Length	SO		Actual Length	HO		Actual Length	VHO	
		W/ft	Total wattage		W/ft	Total wattage		W/ft	Total wattage
12"	12-13/16"	3.25	3.25	12-12/16"	5.35	5.30	12-12/16"	6.75	6.75
16"	16-11/16"	3.25	4.00	16-11/16"	5.33	7.06	16-10/16"	6.75	9.00
20"	20-11/16"	3.25	5.25	20-11/16"	5.31	8.82	20-10/16"	6.75	11.25
24"	24-9/16"	3.25	6.50	24-10/16"	5.30	10.60	24-9/16"	6.75	13.50
28"	28-8/16"	3.25	7.75	28-8/16"	5.28	12.33	28-8/16"	6.75	16.75
32"	32-8/16"	3.25	8.50	32-8/16"	5.26	14.06	32-7/16"	6.75	19.00
36"	36-6/16"	3.25	9.75	36-7/16"	5.25	15.80	36-6/16"	6.65	19.95
40"	40-5/16"	3.25	10.25	40-6/16"	5.23	17.40	41-5/16"	6.65	22.20
44"	44-5/16"	3.20	11.75	44-5/16"	5.21	19.00	45-4/16"	6.65	24.40
48"	48-4/16"	3.20	12.80	48-4/16"	5.20	20.60	49-3/16"	6.55	26.20
52"	52-3/16"	3.20	13.30	53-8/16"	5.18	22.40	53-2/16"	6.55	28.50
56"	56-2/16"	3.20	14.80	57-7/16"	5.16	24.20	57-1/16"	6.55	30.50
60"	60-1/16"	3.20	16.00	61-6/16"	5.15	26.00	61 "	6.45	32.25
64"	64 "	3.20	17.00	65-5/16"	5.13	27.60	64-15/16"	6.45	34.40
68"	69-14/16"	3.15	18.00	69-4/16"	5.11	29.20	68-14/16"	6.45	36.55
72"	73-13/16"	3.15	18.90	73-3/16"	5.10	30.80	72-13/16"	6.40	38.40
76"	77-12/16"	3.15	19.00	77-2/16"	5.08	32.40	76-12/16"	6.40	40.50
80"	81-12/16"	3.15	21.50	81-2/16"	5.06	34.00	80-11/16"	6.40	43.00
84"	85-10/16"	3.15	22.05	85-1/16"	5.05	35.70	84-10/16"	6.25	43.75
88"	89-9/16"	3.15	23.00	88-15/16"	5.03	37.10	88-9/16"	6.25	46.00
92"	93-8/16"	3.10	24.00	92-14/16"	5.01	38.50	92-8/16"	6.25	48.00
96"	97-7/16"	3.10	24.80	96-14/16"	5.00	40.00	97-7/16"	6.15	49.20
100"	101-7/16"	3.10	26.30	100-13/16"	4.98	41.60	101-6/16"	6.15	51.25
104"	105-5/16"	3.05	27.10	104-12/16"	4.96	43.20	105-4/16"	6.15	53.00
108"	109-5/16"	3.05	28.00	108-11/16"	4.95	44.80	109-4/16"	6.00	54.00
112"	113-4/16"	3.05	28.50	112-10/16"	4.93	46.20	113-3/16"	6.00	56.00
116"	117-2/16"	3.05	30.00	116-9/16"	4.91	47.60	117-2/16"	6.00	58.00
120"	121-2/16"	3.00	30.50	120-9/16"	4.90	48.90	121-1/16"	5.90	59.00
124"	125-1/16"	3.00	31.50	124-8/16"	4.88	50.40	125 "	5.90	60.60
128"	128-15/16"	3.00	32.50	128-7/16"	4.86	51.90	128-15/16"	5.90	62.20
132"	132-15/16"	2.95	33.50	132-6/16"	4.85	53.30	132-14/16"	5.80	63.80
136"	136-14/16"	2.95	34.30	136-5/16"	4.83	54.70	136-13/16"	5.80	65.30
140"	140-13/16"	2.95	35.20	140-4/16"	4.81	56.10	140-12/16"	5.80	66.80
144"	144-12/16"	2.90	36.00	145-8/16"	4.80	57.40	144-11/16"	5.70	68.40



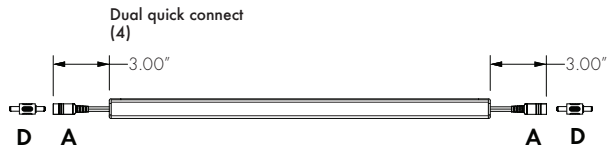
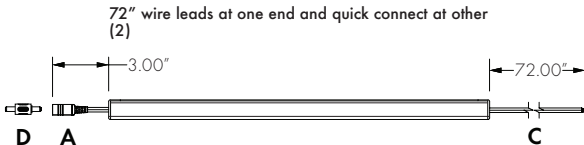
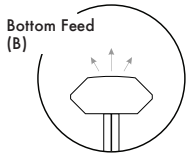
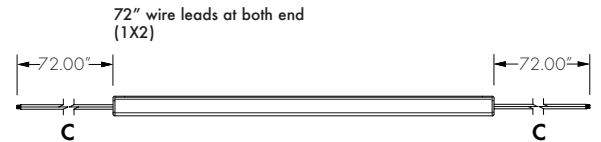
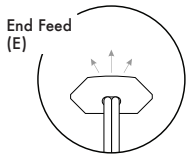
Connectors & Accessories



Linking and extension cable options



Powerfeed Position / Type

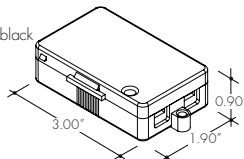


3, and 4 powerfeed options require #LMC to connect to PSD series of power supplies.

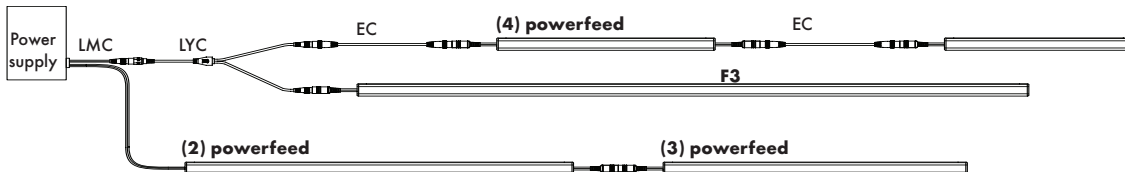
Accessory options

Splice Box:
Low voltage, 4 terminal splice box, black

Part # LVSP-4T-BK



Sample layout



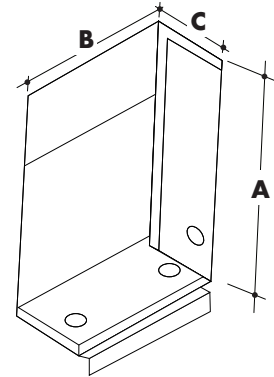
Power supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

Magnetic Low Voltage Dimming Power Supplies:

MODEL	POWER	OUTPUT	INPUT
PSD	48	24	
PSD - PSD Series dims down to 0%	48 - 48 W 96 - 96 W 288 - 288 W (3x 96W)	24 - 24 VDC	Blank - 120 V 240 - 240 V 277 - 277 V

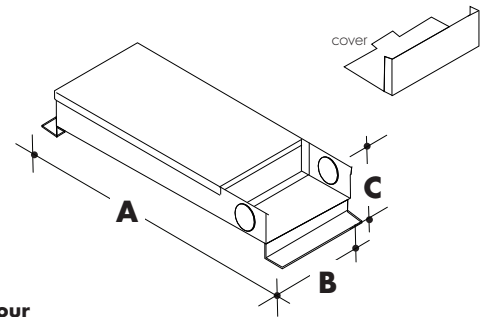
MODELS	PSD 48	PSD 96	PSD 288
A Length	11.25"	11.25"	13.06"
B Width	3.42"	3.42"	8.42"
C Depth	3.42"	3.27"	4.47"



Electronic Low Voltage Dimming Power Supplies:

MODEL	CIRCUIT x POWER	OUTPUT	INPUT
CVE	48D	24	
CVE - CVE Series dims down to 0.1%	48D - 48W 48X2D - 2 x 48W 48X3D - 3 x 48W 48X4D - 4 x 48W 96D - 96W 96X2D - 2 x 96W 96X3D - 3 x 96W 96X4D - 4 x 96W	24 - 24 VDC	Blank - 120 V 277 - 240/277 V

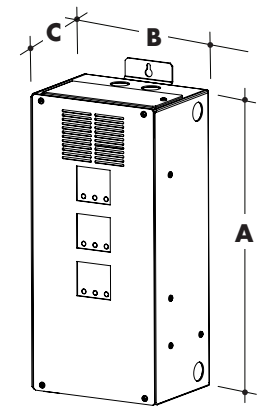
MODELS	Single circuit	Dual circuit	Three circuit	Four circuit
A Length	13.9"	13.8"	13.8"	13.8"
B Width	2.3"	4.0"	5.9"	7.75"
C Depth	1.3"	1.9"	1.9"	1.9"



0-10V Dimming Power Supplies:

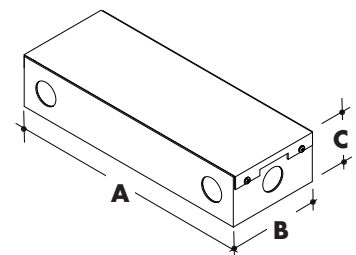
MODEL	POWER	OUTPUT	DIMMING
PS010V	3X96	24	LIN
PS010V - 0-10V Power Supply dims down to 0%	96 - 96 WATT 3X96 - 3 X 96 WATT	24 - 24 VDC	LIN - Linear LOG - Logarithmic

MODELS	96 W	3X96
A Length	14.40"	15.75"
B Width	5.20"	6.60"
C Depth	2.60"	4.80"



MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV	40	24	U2DIM	D
PSV - PSV Series dims down to 5%	40 - 40 W 60 - 60 W 96 - 96 W	24 - 24 VDC	U2DIM - Dimming 0-10V	D - Dry Location IP65 - Wet Location

MODELS	PSV Dry	PSV Wet
A Length	9.2"	9.5"
B Width	3.4"	4.12"
C Depth	1.9"	2.3"



Power supply

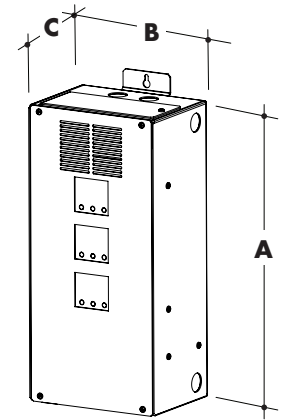
See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

DMX Dimming Power Supplies:

MODEL	POWER	OUTPUT
PSDMX	96	24
PSDMX - DMX Power Supply	96 - 96 WATT 3X96 - 3 X 96 WATT	24 - 24 VDC

- Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	3X96 W
A Length	15.75"
B Width	6.60"
C Depth	4.80"

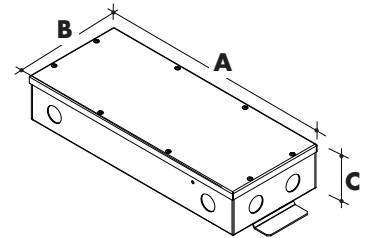


DALI Dimming Power Supplies:

MODEL	POWER	OUTPUT
PSDALI	96	24
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

MODELS	96 W
A Length	14.40"
B Width	5.20"
C Depth	2.60"

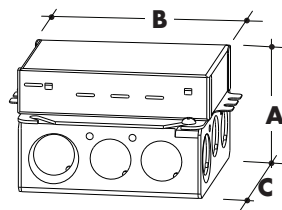


LUTRON®

Luminii is a Lutron OEM Advantage Partner

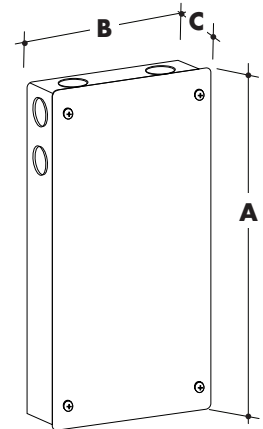
MODEL	L3DA4U1UKL-CV240	
LTEA4U1UKL-CV240	L3DA	
Lutron - Hi-lume™ 1% 2-wire LED driver (120V forward phase only)	Hi-lume™ 1% EcoSystem Voltage LED Driver	

MODELS	LTEA	L3DA
A Length	4.89"	4.89"
B Width	2.66"	2.66"
C Depth	4.00"	4.00"



MODEL	L3D0-96W24V-U
L3DO	L3DO
Hi-lume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™	

MODELS	L3DO
A Length	10.50"
B Width	5.50"
C Depth	2.00"



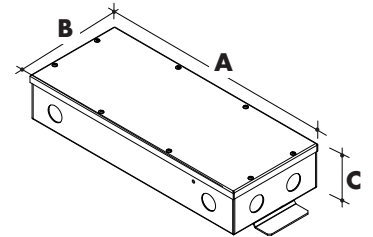
Power supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

Enlighted Enabled Dimming Power Supplies:

MODEL	POWER	OUTPUT	DIMMING	Location
PSV	96	24	ENL	D
PSV - LED Power Supply	96 - 96 WATT	24 - 24 VDC	ENL - Enlighted Dimming	D - Damp

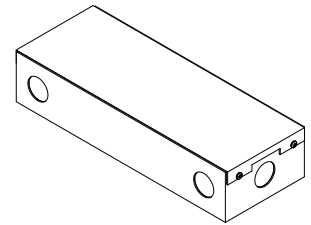
MODELS	96 W
A Length	14.40"
B Width	5.20"
C Depth	2.60"



Non-Dimming Power Supplies:

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV	40	24	U2ND	D
PSV - PSV Series	40 - 40 W 60 - 60 W 96 - 96 W	24 - 24 VDC	U2ND - Non Dimming	D - Dry Location IP65 - Wet Location

MODELS	PSV Dry	PSV Wet
A Length	9.2"	9.5"
B Width	3.4"	4.12"
C Depth	1.9"	2.3"



In ground, Electronic Low Voltage Dimming Power Supplies:

MODEL	CIRCUIT x POWER	OUTPUT	INPUT
IG-CVE	96X2	24	
IG-CVE - In ground CVE Series dims down to 0.1%	96X2 - 2 x 96W	24 - 24 VDC	Blank - 120 V 277 - 240/277 V

MODELS	Dual circuit
A Length	8.0"
B Width	8.0"
C Depth	8.0"

