

Features

- Efficacy up to 82lm/w - a 39% increase over the standard Bosca model
- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 55' 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)
- Dot free even illumination achievable with frosted & raised lens with certain outputs
- 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

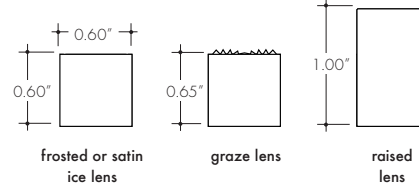


White powder coated

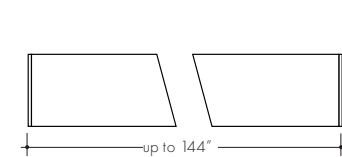


Profile dimensions

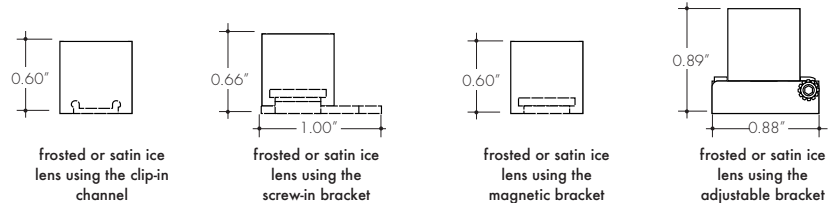
fixture/lens profile



fixture side



fixture/mounting profile



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
LO (LL48HE-LO)	156 lm/ft	2.0 W/ft	78 lm/W	55'
SO (LL48HE-SO)	226 lm/ft	2.8 W/ft	81 lm/W	38'
MO (LL48HE-MO)	303 lm/ft	3.7 W/ft	82 lm/W	27'
HO (LL48HE-HO)	486 lm/ft	5.9 W/ft	82 lm/W	17'

CCT INFO/LUMEN MULTIPLIER

Color temperature	Multiplier (referenced from 3000K)	CRI	R _f	R _g
2700K	0.94	92	90	99
3000K	1.00	92	89	99
3500K	1.02	92	89	99
4000K	1.02	92	86	94

TM-30-15

Ordering code

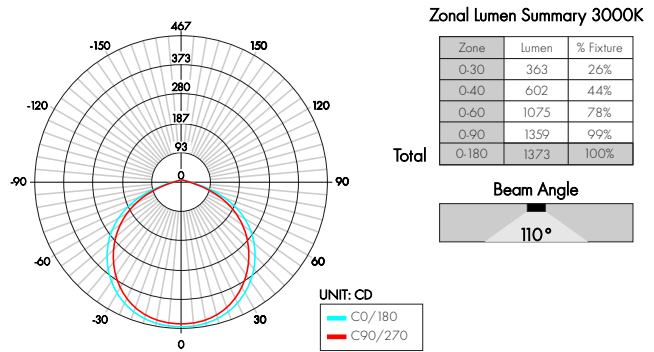
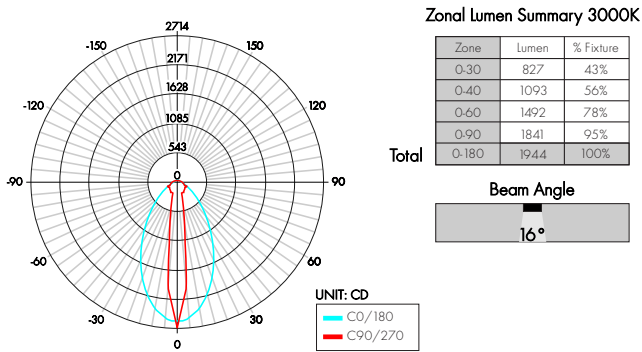
MODEL	LENGTH	CCT	OUTPUT	LENS	MOUNTING	FINISH	POWER FEED POSITION / TYPE	
BOS - Bosca	HE - High Efficacy	12 - 12" - 144" 4" increments	27K - 2700 K 30K - 3000 K 35K - 3500 K 40K - 4000 K	LO - Low SO - Standard MO - Medium HO - High	F - Frosted SI - Satin Ice G - Graze R - Raised	C - Clip-in SC - Screw-in M - Magnetic AH - Adjustable hinge mounting	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 S - Side

1 - 72" wire leads
1X2 - 72" wire leads at both ends and quick connect at other
2 - 72" wire leads at one end and quick connect at other
3 - Single quick connect
4 - Dual quick connect

Photometry

BOS-HF-48-30K-HO-CXY

BOS-HF-48-30K-HO-FXX



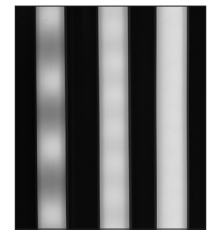
Light Transmission

Lens/Accessory	Percentage Light Transmission
graze lens	100%
satin ice	82%
raised lens	72%
frosted lens	65%

LED Dotting per output/lens

Output type	Satin Ice	Graze	Frosted	Raised
LO (LL48HE)	CD	CD	ND	ND
SO (LL48HE)	CD	CD	ND	ND
MO (LL48HE)	CD	CD	ND	ND
HO (LL48HE)	CD	CD	ND	ND

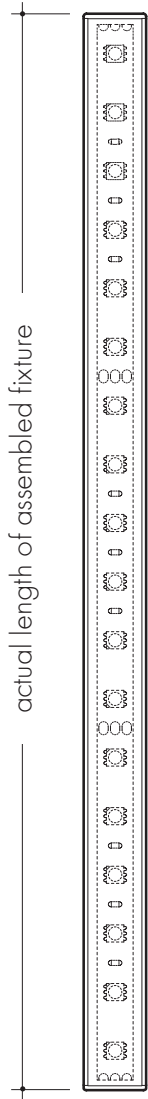
CD = Clear Dotting
 SD = Slight Dotting
 ND = No Dotting



Clear Dotting Slight Dotting NO Dotting

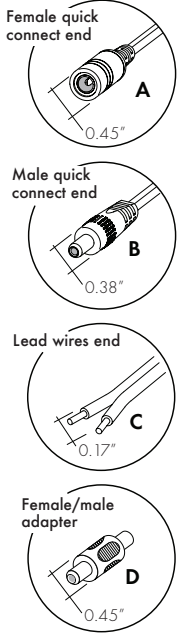
Power consumption per fixture length

Based on operation with PSD series of power supplies.



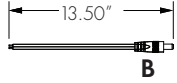
Length		LO		SO		MO		HO	
Nominal	Actual	W/ft	Total wattage	W/ft	Total wattage	W/ft	Total wattage	W/ft	Total wattage
12"	12-12/16"	2.00	2.00	2.79	2.79	3.70	3.70	5.90	5.90
16"	16-11/16"	2.00	2.67	2.79	3.72	3.70	4.90	5.90	7.88
20"	20-10/16"	2.00	3.33	2.79	4.65	3.70	6.10	5.90	9.86
24"	24-9/16"	2.00	4.00	2.79	5.58	3.70	7.40	5.90	11.84
28"	28-8/16"	2.00	4.67	2.79	6.51	3.70	8.63	5.91	13.81
32"	32-7/16"	2.00	5.34	2.79	7.44	3.70	9.83	5.91	15.78
36"	36-6/16"	2.00	6.00	2.79	8.37	3.70	11.10	5.91	17.75
40"	40-5/16"	2.00	6.66	2.79	9.30	3.70	12.33	5.92	19.74
44"	44-4/16"	2.00	13.33	2.79	10.23	3.70	13.56	5.92	21.73
48"	48-3/16"	2.00	8.00	2.79	11.16	3.70	14.80	5.92	23.72
52"	52-2/16"	2.00	8.67	2.79	12.09	3.70	16.03	5.92	25.70
56"	56-1/16"	2.00	9.34	2.79	13.02	3.70	17.26	5.92	27.68
60"	60 "	2.00	10.00	2.79	13.95	3.70	18.50	5.92	29.66
64"	65-14/16"	2.00	10.67	2.79	15.82	3.70	19.73	5.93	31.64
68"	69-13/16"	2.00	11.34	2.79	17.69	3.70	20.96	5.93	33.62
72"	73-12/16"	2.00	12.00	2.79	19.56	3.70	22.20	5.93	35.60
76"	77-11/16"	2.00	12.67	2.79	20.48	3.70	23.43	5.91	37.53
80"	81-11/16"	2.00	13.37	2.79	21.40	3.70	24.66	5.91	39.46
84"	85-9/16"	2.00	14.00	2.79	22.32	3.70	25.90	5.91	41.40
88"	89-8/16"	2.00	14.67	2.79	23.25	3.70	27.13	5.92	43.40
92"	93-7/16"	2.00	15.37	2.79	24.18	3.70	28.36	5.92	45.40
96"	97-6/16"	2.00	16.00	2.79	25.10	3.70	29.60	5.92	47.45
100"	101-6/16"	2.00	16.67	2.79	26.03	3.70	30.93	5.94	49.45
104"	105-4/16"	2.00	17.37	2.79	26.96	3.70	32.26	5.94	51.45
108"	109-3/16"	2.00	18.00	2.79	27.90	3.73	33.60	5.94	53.50
112"	113-2/16"	2.00	18.67	2.79	28.85	3.73	34.93	5.99	55.30
116"	117-1/16"	2.00	19.37	2.79	29.80	3.73	36.26	5.99	57.10
120"	121-1/16"	2.00	20.00	2.79	30.75	3.76	37.60	5.99	58.90
124"	124-15/16"	2.00	20.67	2.79	31.70	3.76	38.80	5.85	60.70
128"	128-14/16"	2.00	21.34	2.79	32.65	3.76	40.00	5.85	62.50
132"	132-13/16"	2.00	22.00	2.79	33.60	3.74	41.20	5.85	64.30
136"	136-13/16"	2.00	22.67	2.79	34.55	3.74	42.40	5.82	66.10
140"	140-12/16"	2.00	23.34	2.79	35.50	3.74	43.60	5.82	67.90
144"	144-10/16"	2.00	24.00	2.80	36.45	3.73	44.80	5.82	69.68

Connectors & Accessories

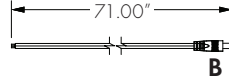


Linking and extension cable options

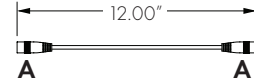
Male quick-connect
Part # LMC



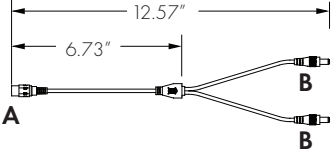
Male quick-connect long
Part # LMC-70



12" extension cable
Part # EC-12



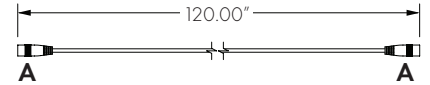
Y-splitter
Part # LYC



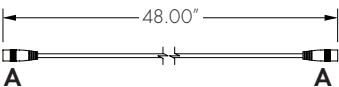
Female/male adaptor
Part # FMA



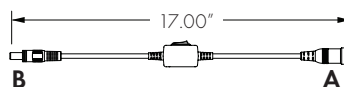
120" extension cable
Part # EC-120



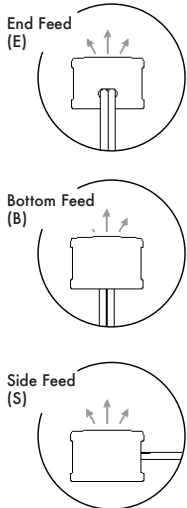
48" extension cable
Part # EC-48



Inline DC switch
Part # IS-DC



Powerfeed Position / Type



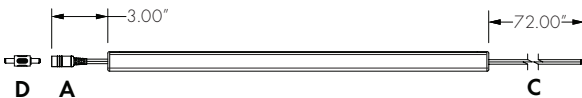
72" wire leads (1)



72" wire leads at both end (1X2)



72" wire leads at one end and quick connect at other (2)



Single quick connect (3)



Dual quick connect (4)

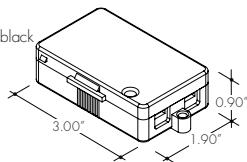


3, and 4 powerfeed options require #LMC to connect to PSD series of power supplies.

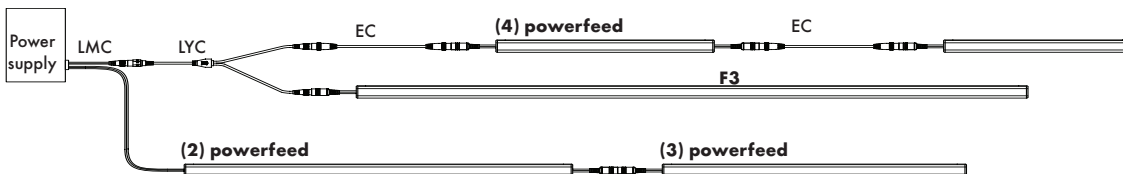
Accessory options

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

Part # LVSP-4T-BK



Sample layout



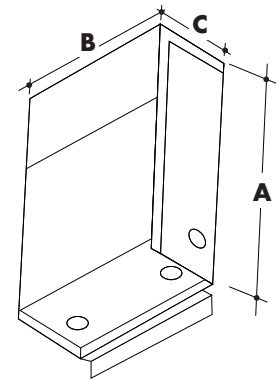
Power supply

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

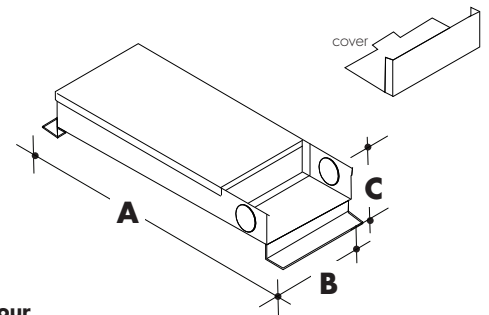
MODELS	PSD 48	PSD 96	PSD 288
A Length	11.25"	11.25"	13.06"
B Width	3.42"	3.42"	8.42"
C Depth	3.42"	3.27"	4.47"



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

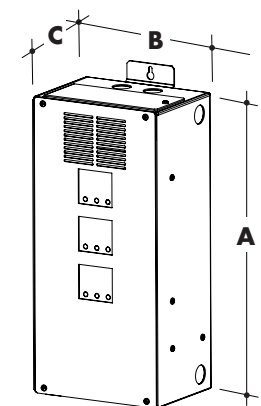
MODELS	Single circuit	Dual circuit	Three circuit	Four circuit
A Length	13.9"	13.8"	13.8"	13.8"
B Width	2.3"	4.0"	5.9"	7.75"
C Depth	1.3"	1.9"	1.9"	1.9"



0-10V Dimming Power Supplies:

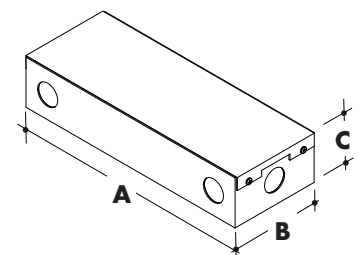
MODEL	POWER	OUTPUT	DIMMING
PSO10V	3X96	24	LIN
PSO10V - 0-10V Power Supply dims down to 0%	96 - 96 WATT 3X96 - 3 X 96 WATT	24 - 24 VDC	LIN - Linear LOG - Logarithmic

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

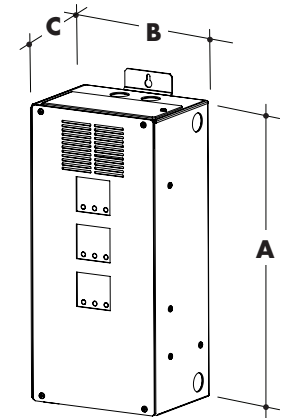
See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

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"

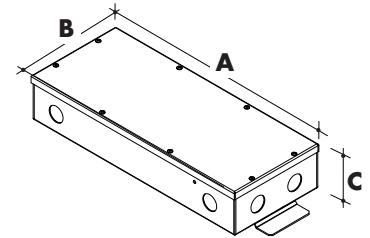


DALI Dimming Power Supplies:

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"

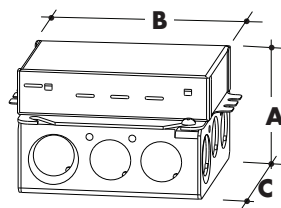


LUTRON®

Luminii is a Lutron OEM Advantage Partner

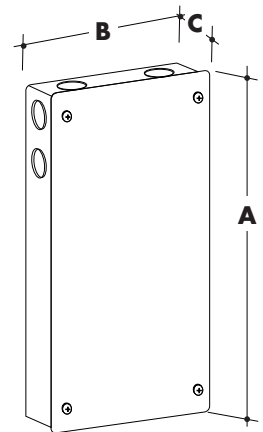
MODEL	L3DA	
LTEA4U1UKL-CV240	L3DA4U1UKL-CV240	
Lutron -Hi-lume™ 1% 2-wire LED driver (120V forward phase only)	Hi-lume™ 1% EcoSystem Voltage LED Driver	

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



MODEL	L3DO
L3DO-96W24V-U	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"



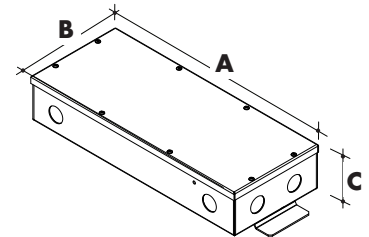
Power supply

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

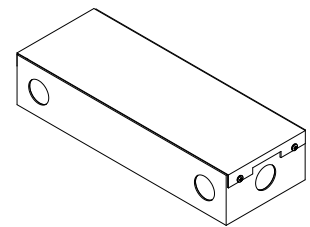
MODELS	96 W
A Length	14.40"
B Width	5.20"
C Depth	2.60"



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"

