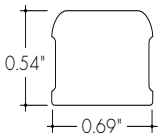
Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 48' depending on output
- Suitable for grazer, surface mount, architectural reveals, handrail, and accent lighting applicaitons. and surface mount applications
- Approved for closet/storage space installation per NEC 410.16(A)(3) and 410.16(C)(5)
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- High Color Quality options offer premium quality and vibrant colors with R9 values up to 97
- High Efficacy options offer best in class output and efficacy with up to 561 lm/ft and up to 79 lm/W
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- 5 Year warranty



Finish Options (see page 2 for additional information)

- Silver Anodized
- Black
- Bronze
- White
- Matte Black
- Warm Nickel
- Aged Brass
- Polished Gold
- Chrome

Technical Information

MODEL	High Color Quality			High Efficacy				High Efficacy
OUTPUT OPTIONS	**72SO**	**72HO**	**72VHO**	**HE48LO**	**HE48SO**	**HE48MO**	**HE48HO**	**HE64VHO**
Lumens Output (3000K)	153 lm/ft	249 lm/ft	303 lm/ft	150 lm/ft	207 lm/ft	277 lm/ft	444 lm/ft	561 lm/ft
Average Power Consumption (for a 4' section)	2.8 W/ft	4.8 W/ft	6 W/ft	1.9 W/ft	2.8 W/ft	3.5 W/ft	6.5 W/ft	7.5 W/ft
Efficacy	55 lm/W	52 lm/W	51 lm/W	79 lm/W	74 lm/W	79 lm/W	68 lm/W	75 lm/W
Max Run Length (in series)	40 ft	31 ft	22 ft	48 ft	42 ft	33 ft	21 ft	15 ft
Max Ambient Temperature*	50°C [122°F]			50°C [122°F]				48°C [118°F]

*Max Ambient Temperature to maintain L70 of 50k+ hours. Exceeding Max Ambient Temperature may result in decreased life/output. Consult Technical Support for specific inquiries.

High Color Quality (72)

CCT	Multiplier (reference - 3000K)	TM-30 CRI	TM-30 R_f	TM-30 R_g	TM-30 R_9
1900K	0.55	96	94	97	90
2200K	0.70	96	95	101	89
2400K	0.72	98	97	101	91
2700K	0.74	97	96	101	91
3000K	1.00	97	95	104	97
3500K	1.02	97	94	105	97
4100K	1.07	97	90	99	97

High Efficacy (HE48/HE64)

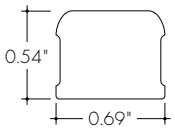
CCT	Multiplier (reference - 3000K)	TM-30 CRI	TM-30 R_f	TM-30 R_g	TM-30 R_9
2200K	0.73	92	91	97	42
2500K	0.81	93	96	96	62
2700K	0.94	92	90	99	58
3000K	1.00	92	89	99	57
3500K	1.02	92	89	99	60
4000K	1.02	92	86	94	71

Ordering Code

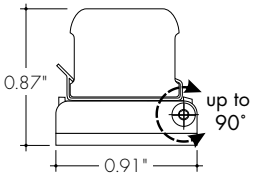
MODEL	LENGTH[1]	OUTPUT	CCT	LENS[2]	MOUNTING	FINISH[3]	POSITION	POWER FEED	ACCESSORIES
KM - Kendo M	12" - 144" (1" increments)	72SO - Standard 72HO - High 72VHO - Very High	19K - 1900K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	GR - Narrow Beam Grazer	FC - Fixed Clip A - Adjustable Hinge Mounting FC45 - Fixed Clip, 45° MAG - Magnetic	SA - Silver Anodized BK - Black BZ - Bronze WH - White MBK - Matte Black WN - Warm Nickel AB - Aged Brass PG - Polished Gold[4] CH - Chrome[4]	E - End B - Back S - Side	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	____ - N/A, leave blank BLS - Blade louver, Silver BLBK - Blade louver, Black BLWH - Blade louver, White GSS - Glare shield, Silver GSBK - Glare shield, Black GSWH - Glare shield, White
	12" - 144" (2" increments)	HE48LO - Low HE48SO - Standard HE48MO - Medium HE48HO - High HE64VHO - Very High	22K - 2200K 25K - 2500K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K						

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.
2 - All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.
3 - Non SA finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
4 - Polished Gold finishes have a maximum fixture length of 48", and Chrome finishes have a maximum fixture length of 72".

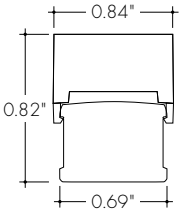
Product Dimensions



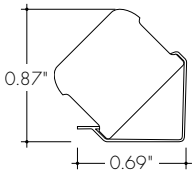
Narrow Beam Grazer Lens



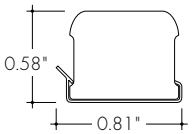
Narrow Beam Grazer Lens with Adjustable Hinged Bracket



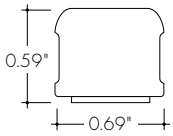
Narrow Beam Grazer Lens with Blade Louver or Glare Shield Accesory



Narrow Beam Grazer Lens with 45˚ Mounting Bracket



Narrow Beam Grazer Lens with Fixed Mounting Bracket

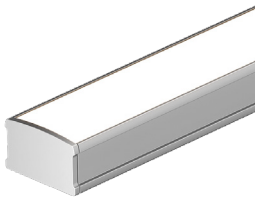


Narrow Beam Grazer Lens with Magnetic Fixed Mounting Bracket

Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Silver Anodized finishes may have extended lead times and price adder.
- Polished Gold and Chrome finishes have a maximum fixture length of 96".
- Custom RALs are available, please consult Inside Sales with specific request.

Silver Anodized
Base



Silver Anodized is a soft silver with a clear finish.

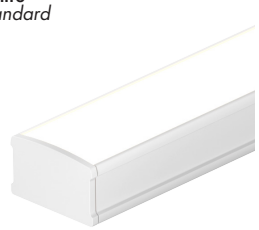
Black
Standard

Black is a true deep black with a glossy finish.

Bronze
Standard

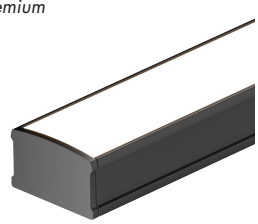
Bronze is a rich, dark brown with a satin finish.

White
Standard



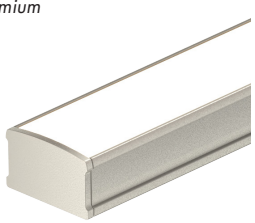
White is a polar bright white and field paintable.

Matte Black
Premium



Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel
Premium

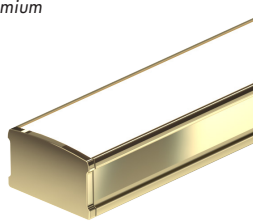


Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass
Premium

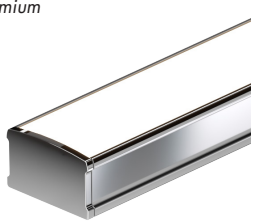
Aged Brass is a deep brown shade with slightly golden undertones.

Polished Gold
Premium



Polished Gold is bright and radiant for a brilliant finish.

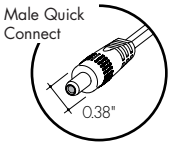
Chrome
Premium



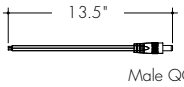
Chrome is a highly reflective silver polish.

Powerfeeds and Connectors

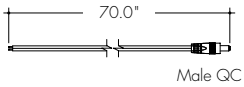
Linking and Extension Cable Options

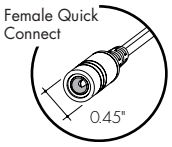


LMC-12
Male quick-connect, 2 pin, 12″

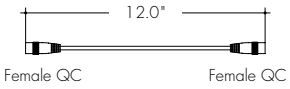


LMC-70
Male quick-connect long, 2 pin, 70″

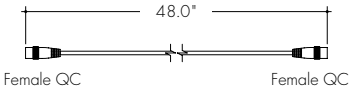




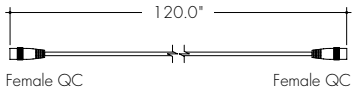
EC-12
Female to Female Extension Cable, 2 pin, 12″

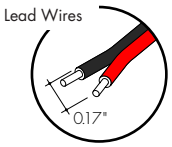


EC-48
Female to Female Extension Cable, 2 pin, 48″

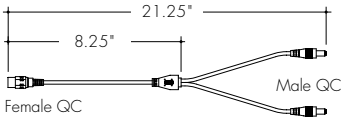


EC-120
Female to Female Extension Cable, 2 pin, 120″

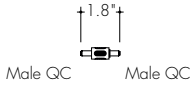




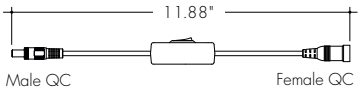
LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12″

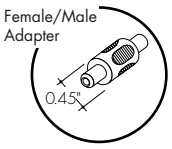


FMA
Female to male adapter

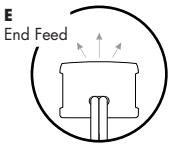


IS-DC
Male to Female Inline DC Switch, 2 pin, 12″

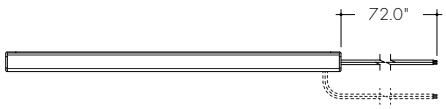




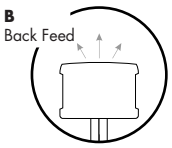
Powerfeeds Position/Type



1
72" wire leads

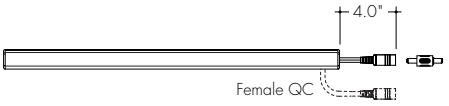


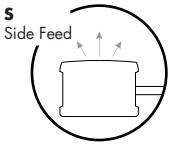
1X2
72" wire leads at both ends



2
72" wire leads at one end and Female Quick Connect at other

3
Single Female Quick Connect

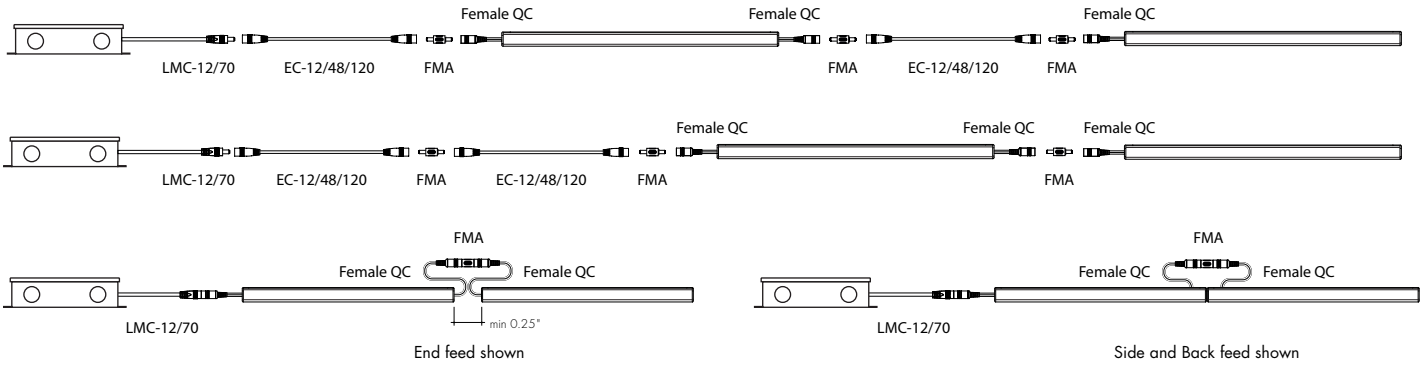




4
Dual Female Quick Connect

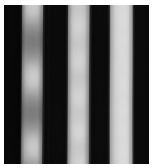
Side and Back feeds shown as dashed lines
All wires are 18 AWG unless otherwise specified
-2, -3, -4 include FMA as shown

Sample Layout



Light Transmission and Dotting

Output Options	Lens/Accessory: Narrow Beam Grazer Lens	Grazer Lens, White Glare Shield	Grazer Lens, White Blade Louver
72SO	CD	CD	CD
72HO	CD	CD	CD
72VHO	CD	CD	CD
HE48LO	CD	CD	CD
HE48SO	CD	CD	CD
HE48MO	CD	CD	CD
HE48HO	CD	CD	CD
HE64VHO	CD	CD	CD
Transmission Percentage	100%	88%	67%

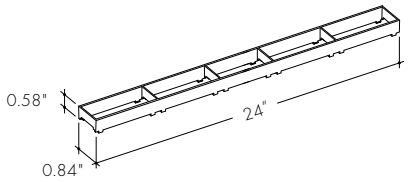


CD SD ND

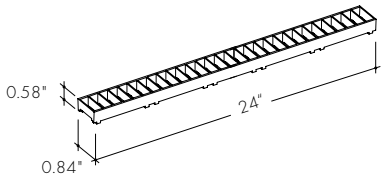
CD - Clear Dotting
SD - Slight Dotting
ND - No Dotting

Accessory Options

LV-GS-KMSC-24-XX
Glare Shield reduces glare at high angle, field cuttable. Also available with complete fixture, use ordering code **-GSXX**

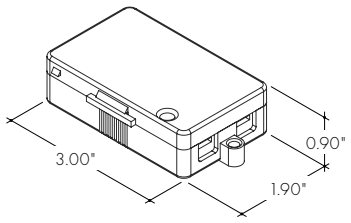


LV-BL-KMSC-24-XX
Blade Louver reduces glare at high angle in two directions Also available with complete fixture, use ordering code **-BLXX**

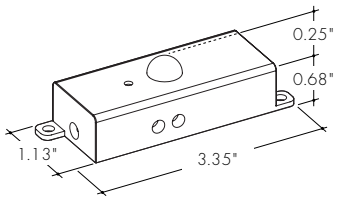


XX	Color
WH	White
BK	Black
SL	SIlver

LVSP-4T-BK
Low Voltage, 4 Terminal Splice Box, Black

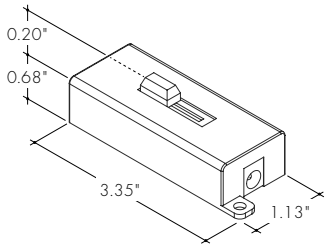


OS-DC-F4-BK
Occupancy Sensor



Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output.

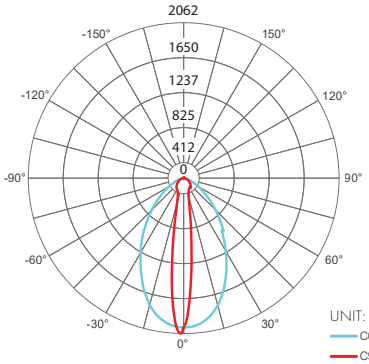
DIM-DC-F4-BK
24VDC Low Voltage In-line Dimmer Module



Male Quick Connect, FMA, LMC, LYC, or IS-DC are required for input and output.

Photometry

KM-48-72VHO-30K-GR
Kendo M, 4ft, 3500K, 72VHO, Narrow BeamGrazer Lens



Zonal Lumen Summary 3000K

	Zone	Lumen	% Fixture
	0-30	563	46.4%
	0-40	761	62.9%
	0-60	1061	87.6%
	0-90	1198	98.9%
Total	0-180	1211	100.0%

Beam Angle
14°

Power Consumption

Tested at Full Power with PDCU Series power supplies.
*For Back Feed add 4/16" (1/4") to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please contact factory with specific request.

High Color Quality (72)

Nominal Length (in)	Side and End Feed Actual Length*	Watts			Nominal Length (in)	Side and End Feed Actual Length*	Watts			Nominal Length (in)	Side and End Feed Actual Length*	Watts			Nominal Length (in)	Side and End Feed Actual Length*	Watts		
		SO	HO	VHO			SO	HO	VHO			SO	HO	VHO			SO	HO	VHO
12	11 1/16	2.7	4.4	6.2	**47**	46 15/16	10.5	17.4	23.1	**82**	81 11/16	18.3	29.5	38.4	**117**	116 7/16	25.9	40.8	52.4
13	12 3/16	2.7	4.4	6.2	**48**	–	–	–	–	**83**	82 13/16	18.5	29.8	38.8	**118**	117 9/16	26.1	41.1	52.8
14	13 6/16	2.9	4.8	6.7	**49**	48 2/16	10.7	17.8	23.5	**84**	84	18.7	30.1	39.2	**119**	118 12/16	26.3	41.4	53.2
15	14 8/16	3.1	5.2	7.3	**50**	49 4/16	11.1	18.6	24.4	**85**	–	–	–	–	**120**	119 14/16	26.5	41.7	53.6
16	15 11/16	3.4	5.6	7.8	**51**	50 7/16	11.4	18.9	24.9	**86**	85 2/16	19.2	30.8	40.0	**121**	–	–	–	–
17	16 13/16	3.6	6.0	8.3	**52**	51 9/16	11.6	19.3	25.3	**87**	86 5/16	19.4	31.1	40.4	**122**	121 1/16	26.7	42.0	54.0
18	18	3.9	6.5	8.9	**53**	52 12/16	11.9	19.7	25.7	**88**	87 8/16	19.6	31.5	40.8	**123**	122 3/16	27.1	42.6	54.7
19	–	–	–	–	**54**	53 14/16	12.1	20.1	26.1	**89**	88 10/16	19.9	31.8	41.1	**124**	123 6/16	27.3	42.9	55.0
20	19 2/16	4.4	7.3	9.9	**55**	–	–	–	–	**90**	89 13/16	20.1	32.2	41.5	**125**	124 8/16	27.5	43.1	55.4
21	20 5/16	4.6	7.7	10.5	**56**	55 1/16	12.3	20.5	26.6	**91**	90 15/16	20.4	32.5	41.9	**126**	125 11/16	27.7	43.4	55.7
22	21 7/16	4.8	8.1	11.0	**57**	56 3/16	12.8	21.3	27.4	**92**	–	–	–	–	**127**	126 13/16	27.9	43.7	56.1
23	22 10/16	5.1	8.6	11.5	**58**	57 6/16	13.1	21.6	27.8	**93**	92 2/16	20.6	32.9	42.3	**128**	128	28.1	43.9	56.4
24	23 13/16	5.3	9.0	12.1	**59**	58 8/16	13.3	22.0	28.3	**94**	93 4/16	21.1	33.6	43.1	**129**	–	–	–	–
25	24 15/16	5.6	9.4	12.6	**60**	59 11/16	13.6	22.4	28.7	**95**	94 7/16	21.3	33.9	43.4	**130**	129 3/16	28.5	44.5	57.1
26	–	–	–	–	**61**	60 13/16	13.8	22.8	29.1	**96**	95 9/16	21.5	34.2	43.8	**131**	130 5/16	28.7	44.7	57.4
27	26 2/16	5.8	9.8	13.1	**62**	62	14.0	23.1	29.6	**97**	96 12/16	21.8	34.6	44.2	**132**	131 8/16	28.9	45.0	57.8
28	27 4/16	6.2	10.5	14.1	**63**	–	–	–	–	**98**	97 14/16	22.0	34.9	44.6	**133**	132 10/16	29.1	45.3	58.1
29	28 7/16	6.5	10.9	14.5	**64**	63 2/16	14.5	23.8	30.5	**99**	–	–	–	–	**134**	133 13/16	29.3	45.5	58.4
30	29 9/16	6.7	11.2	15.0	**65**	64 5/16	14.7	24.1	31.0	**100**	99 1/16	22.2	35.2	45.0	**135**	134 15/16	29.5	45.7	58.7
31	30 12/16	6.9	11.6	15.5	**66**	65 8/16	14.9	24.4	31.4	**101**	100 3/16	22.5	35.9	45.9	**136**	–	–	–	–
32	31 14/16	7.1	12.0	16.0	**67**	66 10/16	15.1	24.7	31.9	**102**	101 6/16	22.7	36.2	46.3	**137**	136 2/16	29.6	45.9	59.1
33	–	–	–	–	**68**	67 13/16	15.3	25.0	32.4	**103**	102 8/16	22.9	36.5	46.7	**138**	137 4/16	30.0	46.3	59.7
34	33 1/16	7.3	12.3	16.5	**69**	68 15/16	15.5	25.4	32.8	**104**	103 11/16	23.1	36.8	47.1	**139**	138 7/16	30.2	46.5	60.0
35	34 3/16	7.8	13.1	17.4	**70**	–	–	–	–	**105**	104 13/16	23.3	37.1	47.5	**140**	139 9/16	30.3	46.8	60.3
36	35 6/16	8.0	13.4	17.9	**71**	70 2/16	15.8	25.7	33.3	**106**	106	23.5	37.4	48.0	**141**	140 12/16	30.5	47.0	60.6
37	36 8/16	8.2	13.8	18.4	**72**	71 4/16	16.2	26.3	34.2	**107**	–	–	–	–	**142**	141 14/16	30.7	47.2	61.0
38	37 11/16	8.4	14.2	18.9	**73**	72 7/16	16.4	26.6	34.7	**108**	107 2/16	23.9	38.1	48.8	**143**	–	–	–	–
39	38 13/16	8.7	14.5	19.3	**74**	73 9/16	16.6	26.9	35.1	**109**	108 5/16	24.1	38.4	49.2	**144**	143 1/16	30.8	47.4	61.3
40	40	8.9	14.9	19.8	**75**	74 12/16	16.8	27.3	35.5	**110**	109 8/16	24.3	38.7	49.6					
41	–	–	–	–	**76**	75 14/16	17.1	27.6	35.9	**111**	110 10/16	24.5	39.0	50.0					
42	41 2/16	9.3	15.6	20.7	**77**	–	–	–	–	**112**	111 13/16	24.8	39.3	50.4					
43	42 5/16	9.6	16.0	21.2	**78**	77 1/16	17.3	27.9	36.3	**113**	112 15/16	25.0	39.6	50.8					
44	43 8/16	9.8	16.4	21.7	**79**	78 3/16	17.7	28.5	37.2	**114**	–	–	–	–					
45	44 10/16	10.0	16.7	22.1	**80**	79 6/16	17.9	28.9	37.6	**115**	114 2/16	25.2	39.9	51.2					
46	45 13/16	10.2	17.1	22.6	**81**	80 8/16	18.1	29.2	38.0	**116**	115 4/16	25.6	40.5	52.0					

Power Consumption

Tested at Full Power with PDCU Series power supplies.
*For Back Feed add 4/16" (1/4") to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please contact factory with specific request.

High Efficacy (HE48)

Nominal Length (in)	Side and End Feed Actual Length*	Watts				Nominal Length (in)	Side and End Feed Actual Length*	Watts				Nominal Length (in)	Side and End Feed Actual Length*	Watts				Nominal Length (in)	Side and End Feed Actual Length*	Watts			
		LO	SO	MO	HO			LO	SO	MO	HO			LO	SO	MO	HO			LO	SO	MO	HO
12	10 7/16	1.7	2.5	3.5	5.7	**47**	–	–	–	–	–	**82**	81 5/16	12.5	19.9	23.9	42.2	**117**	116 12/16	17.5	27.7	34.3	58.7
13	12 7/16	1.7	2.5	3.5	5.7	**48**	47 14/16	7.1	11.2	13.9	25.4	**83**	–	–	–	–	–	**118**	–	–	–	–	–
14	–	–	–	–	–	**49**	–	–	–	–	–	**84**	83 5/16	12.8	20.3	24.5	43.1	**119**	118 12/16	17.8	28.1	34.9	59.6
15	14 6/16	2.0	3.0	4.0	7.2	**50**	49 13/16	7.4	11.7	14.5	26.3	**85**	–	–	–	–	–	**120**	–	–	–	–	–
16	–	–	–	–	–	**51**	–	–	–	–	–	**86**	85 4/16	13.1	20.8	25.1	44.1	**121**	120 11/16	18.1	28.6	35.5	60.5
17	16 6/16	2.4	3.5	4.6	8.7	**52**	51 13/16	7.7	12.3	15.1	27.4	**87**	–	–	–	–	–	**122**	–	–	–	–	–
18	–	–	–	–	–	**53**	–	–	–	–	–	**88**	87 4/16	13.4	21.3	25.7	45.0	**123**	122 11/16	18.3	29.0	36.0	62.1
19	18 5/16	2.7	3.9	5.2	10.2	**54**	53 12/16	8.0	12.9	15.7	28.5	**89**	–	–	–	–	–	**124**	–	–	–	–	–
20	–	–	–	–	–	**55**	–	–	–	–	–	**90**	89 3/16	13.7	21.7	26.3	46.0	**125**	124 10/16	18.4	29.5	36.6	63.8
21	20 5/16	3.0	4.4	5.8	11.7	**56**	55 12/16	8.4	13.5	16.4	29.5	**91**	–	–	–	–	–	**126**	–	–	–	–	–
22	–	–	–	–	–	**57**	–	–	–	–	–	**92**	91 3/16	14.0	22.1	26.9	47.0	**127**	126 10/16	18.6	29.9	37.2	65.4
23	22 4/16	3.4	4.9	6.4	13.2	**58**	57 11/16	8.7	14.0	17.0	30.6	**93**	–	–	–	–	–	**128**	–	–	–	–	–
24	–	–	–	–	–	**59**	–	–	–	–	–	**94**	93 2/16	14.3	22.6	27.5	47.9	**129**	128 9/16	18.8	30.4	37.7	67.0
25	24 4/16	3.7	5.4	7.0	14.7	**60**	59 11/16	9.0	14.6	17.6	31.6	**95**	–	–	–	–	–	**130**	–	–	–	–	–
26	–	–	–	–	–	**61**	–	–	–	–	–	**96**	95 2/16	14.4	22.8	27.8	48.4	**131**	130 9/16	18.9	30.8	38.3	68.6
27	26 3/16	4.1	5.9	7.5	15.8	**62**	61 10/16	9.4	15.2	18.2	32.6	**97**	–	–	–	–	–	**132**	–	–	–	–	–
28	–	–	–	–	–	**63**	–	–	–	–	–	**98**	97 1/16	14.7	23.3	28.5	49.4	**133**	132 8/16	19.1	31.2	38.9	70.2
29	28 3/16	4.4	6.4	8.1	16.8	**64**	63 10/16	9.7	15.6	18.7	33.7	**99**	–	–	–	–	–	**134**	–	–	–	–	–
30	–	–	–	–	–	**65**	–	–	–	–	–	**100**	99 1/16	15.0	23.7	29.0	50.4	**135**	134 8/16	19.3	31.8	39.4	70.7
31	30 2/16	4.8	6.9	8.7	17.9	**66**	65 9/16	10.0	16.1	19.2	34.7	**101**	–	–	–	–	–	**136**	–	–	–	–	–
32	–	–	–	–	–	**67**	–	–	–	–	–	**102**	101	15.3	24.1	29.6	51.3	**137**	136 7/16	19.5	32.3	40.0	71.2
33	32 2/16	5.0	7.2	9.0	18.5	**68**	67 9/16	10.4	16.5	19.8	35.7	**103**	103	15.6	24.6	30.2	52.3	**138**	–	–	–	–	–
34	–	–	–	–	–	**69**	–	–	–	–	–	**104**	–	–	–	–	–	**139**	138 7/16	19.8	32.8	40.6	71.8
35	34 1/16	5.4	7.7	9.6	19.5	**70**	69 8/16	10.7	17.0	20.3	36.7	**105**	104 15/16	15.8	25.0	30.7	53.2	**140**	–	–	–	–	–
36	–	–	–	–	–	**71**	–	–	–	–	–	**106**	–	–	–	–	–	**141**	140 6/16	20.0	33.3	41.1	72.3
37	36 1/16	5.7	8.2	10.2	20.6	**72**	71 8/16	11.0	17.4	20.8	37.7	**107**	106 15/16	16.1	25.5	31.3	54.2	**142**	–	–	–	–	–
38	–	–	–	–	–	**73**	–	–	–	–	–	**108**	–	–	–	–	–	**143**	142 6/16	20.2	33.9	41.7	72.8
39	38	6.0	8.7	10.8	21.5	**74**	73 7/16	11.3	17.9	21.4	38.7	**109**	108 14/16	16.4	25.9	31.9	55.2	**144**	–	–	–	–	–
40	40	6.2	9.2	11.4	22.3	**75**	–	–	–	–	–	**110**	–	–	–	–	–						
41	–	–	–	–	–	**76**	75 7/16	11.6	18.4	22.0	39.6	**111**	110 14/16	16.7	26.4	32.5	56.1						
42	41 15/16	6.4	9.7	12.0	23.1	**77**	–	–	–	–	–	**112**	–	–	–	–	–						
43	–	–	–	–	–	**78**	77 6/16	11.9	18.9	22.7	40.5	**113**	112 13/16	17.0	26.8	33.1	57.0						
44	43 15/16	6.7	10.2	12.6	23.9	**79**	–	–	–	–	–	**114**	–	–	–	–	–						
45	–	–	–	–	–	**80**	79 6/16	12.2	19.4	23.3	41.4	**115**	114 13/16	17.3	27.3	33.7	57.9						
46	45 14/16	6.9	10.7	13.3	24.7	**81**	–	–	–	–	–	**116**	–	–	–	–	–						

Power Consumption

Tested at Full Power with PDCU Series power supplies.
*For Back Feed add 4/16" (1/4") to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please contact factory with specific request.

High Efficacy (HE64)

Nominal Length (in)	Side and End Feed Actual Length*	Watts VHO	Nominal Length (in)	Side and End Feed Actual Length*	Watts VHO	Nominal Length (in)	Side and End Feed Actual Length*	Watts VHO	Nominal Length (in)	Side and End Feed Actual Length*	Watts VHO
12	11 4/16	7.6	**47**	46 1/16	28.2	**82**	–	–	**117**	–	–
13	12 12/16	7.6	**48**	47 9/16	29.5	**83**	82 6/16	51.7	**118**	117 4/16	72.8
14	–	–	**49**	–	–	**84**	83 15/16	52.3	**119**	118 12/16	73.3
15	14 4/16	8.9	**50**	49 1/16	30.1	**85**	–	–	**120**	–	–
16	15 12/16	9.5	**51**	50 10/16	31.4	**86**	85 7/16	53.6	**121**	120 4/16	74.4
17	–	–	**52**	–	–	**87**	86 15/16	54.2	**122**	121 12/16	74.8
18	17 5/16	10.7	**53**	52 2/16	32.0	**88**	–	–	**123**	–	–
19	18 13/16	11.4	**54**	53 10/16	33.3	**89**	88 7/16	55.5	**124**	123 4/16	75.6
20	–	–	**55**	–	–	**90**	89 15/16	56.2	**125**	124 13/16	76.0
21	20 5/16	12.6	**56**	55 2/16	34.0	**91**	–	–	**126**	–	–
22	21 13/16	13.2	**57**	56 10/16	35.2	**92**	91 8/16	57.5	**127**	126 5/16	76.8
23	–	–	**58**	–	–	**93**	93	58.2	**128**	127 13/16	77.2
24	23 5/16	14.5	**59**	58 3/16	36.5	**94**	–	–	**129**	–	–
25	24 14/16	15.1	**60**	59 11/16	37.2	**95**	94 8/16	59.5	**130**	129 5/16	78.0
26	–	–	**61**	–	–	**96**	–	–	**131**	130 14/16	78.4
27	26 6/16	16.4	**62**	61 3/16	38.4	**97**	96	60.1	**132**	–	–
28	27 14/16	17.0	**63**	62 11/16	39.1	**98**	97 9/16	61.4	**133**	132 6/16	79.2
29	–	–	**64**	–	–	**99**	–	–	**134**	133 14/16	79.6
30	29 6/16	18.2	**65**	64 4/16	40.4	**100**	99 1/16	62.0	**135**	–	–
31	30 15/16	18.9	**66**	65 12/16	41.0	**101**	100 9/16	63.2	**136**	135 6/16	80.3
32	–	–	**67**	–	–	**102**	–	–	**137**	136 14/16	80.6
33	32 7/16	20.1	**68**	67 4/16	42.3	**103**	102 1/16	63.8	**138**	–	–
34	33 15/16	20.7	**69**	68 12/16	42.9	**104**	103 9/16	65.0	**139**	138 7/16	81.3
35	–	–	**70**	–	–	**105**	–	–	**140**	139 15/16	81.7
36	35 7/16	22.0	**71**	70 4/16	44.2	**106**	105 2/16	65.6	**141**	–	–
37	36 15/16	22.6	**72**	71 13/16	44.9	**107**	106 10/16	66.8	**142**	141 7/16	82.4
38	–	–	**73**	–	–	**108**	–	–	**143**	142 15/16	82.7
39	38 8/16	23.9	**74**	73 5/16	46.1	**109**	108 2/16	67.4	**144**	–	–
40	40	24.5	**75**	74 13/16	46.7	**110**	109 10/16	68.5			
41	–	–	**76**	–	–	**111**	–	–			
42	41 8/16	25.7	**77**	76 5/16	48.0	**112**	111 3/16	69.6			
43	–	–	**78**	77 14/16	48.6	**113**	112 11/16	70.1			
44	43	26.4	**79**	–	–	**114**	–	–			
45	44 9/16	27.6	**80**	79 6/16	49.8	**115**	114 3/16	71.2			
46	–	–	**81**	80 14/16	50.4	**116**	115 11/16	71.7			

Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	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

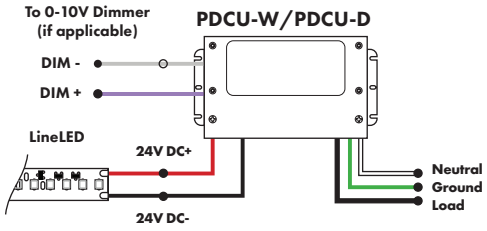
Power Supplies

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.

Universal Power Supply 1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W	24 - 24 VDC
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.

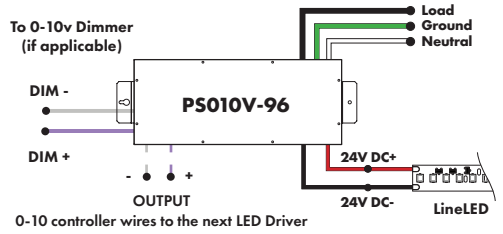


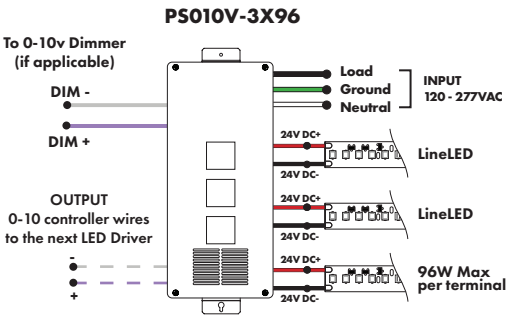
MODELS	PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33	1.32"	1.56"	1.13"

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"

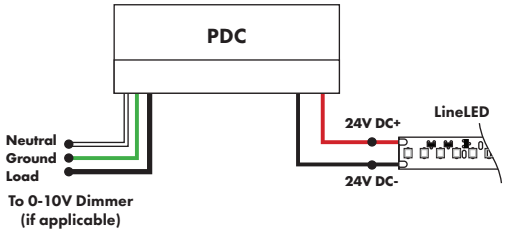




Triac, MLV, & ELV Compatible Dimmers

MODEL	POWER	OUTPUT
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC

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



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.

DMX Dimming Power Supplies 120VAC - 277VAC

MODEL		POWER		OUTPUT
	-		-	

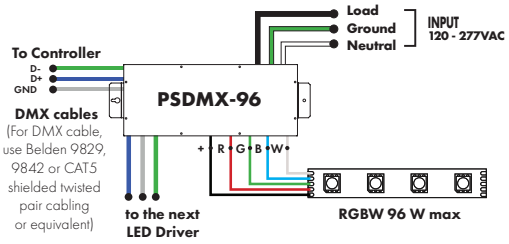
PSDMX - DMX Power Supply dims down to 0%

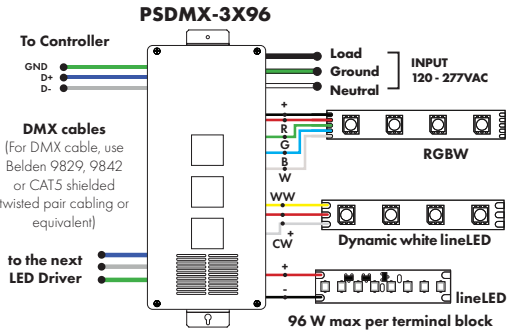
96 - 96 Watt
3X96 - 3 X 96 Watt

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
	-		-	

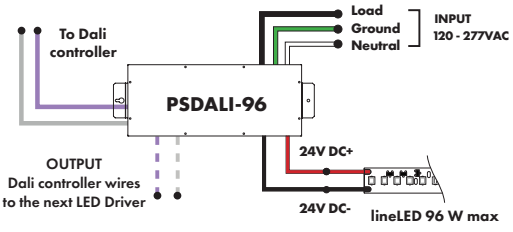
PSDALI - DALI Power Supply dims down to 0%

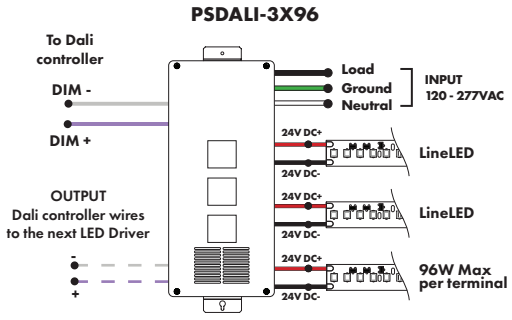
96 - 96 Watt
3X96 - 3 X 96 Watt

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"





Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

MODEL		POWER		OUTPUT		DIMMING		LOCATION
	-		-		-		-	

PSV - PSV Series

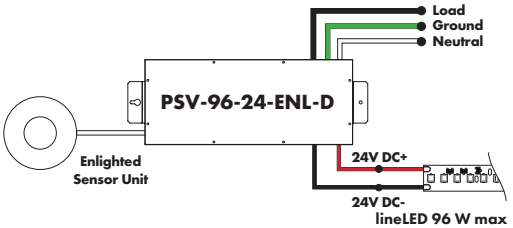
96 - 96 Watt

24 - 24 VDC

ENL - Enlighted Dimming dims down to 0%

D - Damp

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



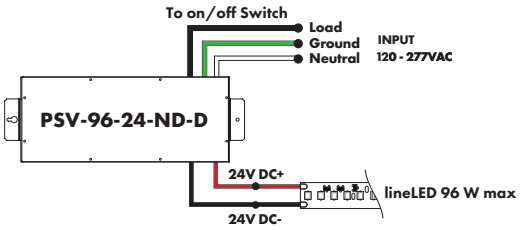
Power Supplies

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.

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"



LUTRON®

Luminii is a Lutron OEM Advantage Partner

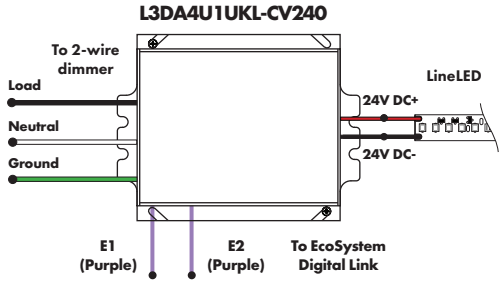
Lutron Power Supplies 1%

MODEL

L3DA4U1UKL-CV240

Hi-lume™ 1% EcoSystem Voltage LED driver
40W max

MODELS	L3DA4U1UKL-CV240
Length	4.98"
Width	4.00"
Depth	2.62"



LUTRON®

Luminii is a Lutron OEM Advantage Partner

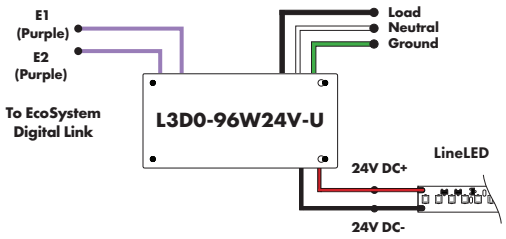
Lutron Power Supplies 0.1%

MODEL

L3D0-96W24V-U

Hi-lume™ 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"