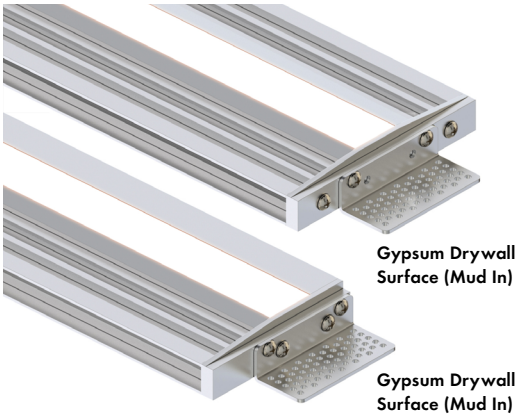
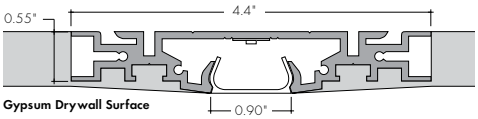
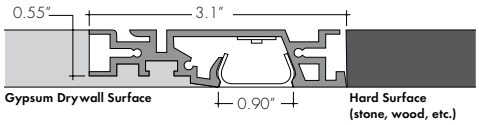


Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 48' depending on output
- Available with plenum rated wire leads or with integral junction box for splice connection
- Class 2 listed for damp locations
- Dot free even illumination
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- Approved for closet/storage space installation per NEC 410.16(A) (3) and 410.16(C)(5) on outputs 5.7W/ft or less
- 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 over 625 lm/ft and up to 79 lm/W
- Average Life (L70): 50,000hrs
- 7 year warranty





Technical Information

MODEL	High Color Quality			High Efficacy				High Efficacy	
OUTPUT OPTIONS	**72SO**	**72HO**	**72VHO**	**HE48LO**	**HE48SO**	**HE48MO**	**HE48HO**	**HE64VHO**	**HE64XHO**
Lumens Output (3000K) (with a Frosted Lens)	153 lm/ft	248 lm/ft	302 lm/ft	149 lm/ft	206 lm/ft	275 lm/ft	441 lm/ft	559 lm/ft	628 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	9.6 W/ft
Efficacy	55 lm/W	52 lm/W	50 lm/W	78 lm/W	74 lm/W	79 lm/W	68 lm/W	75 lm/W	65 lm/W
Max Run Length (in series)	40 ft	31 ft	22 ft	48 ft	42 ft	33 ft	21 ft	15 ft	13 ft
***Ambient Operating Temperature Range**	-5°F – 125°F (-20°C – 50°C)			-5°F – 125°F (-20°C – 50°C)				-5°F – 125°F (-20°C – 50°C)	

*Ambient Operating Temperature Range to maintain L70 of 50k+ hours in normal mounting conditions for the fixture. 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

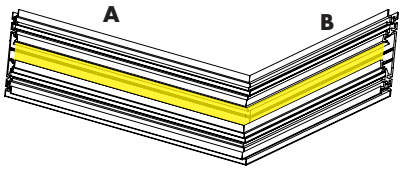
Ordering Code

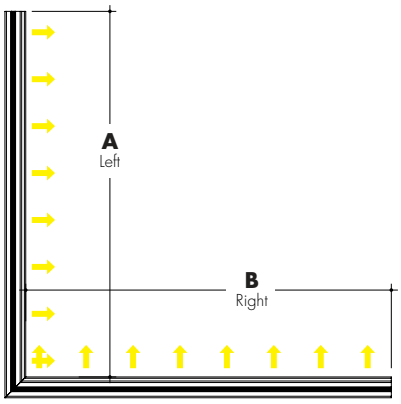
MODEL	LENGTH[1]	OUTPUT[2]	CCT	LENS	MOUNTING	LEFT END CAP[3]	RIGHT END CAP[3]	POWER SUPPLY TYPE
LIN - Linii	12"–144" 1" increments	72SO - Standard 72HO - High 72VHO - Very High	19K - 1900K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	F - Frosted FS - Frosted Silicone Lens N - No Lens	GDS - Gypsum Drywall Surface DHS - Drywall to Hard Surface	LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	CPB - Center Power Feed, Plenum rated 72" wires CJB - Center Power Feed, Junction Box
						LE - Endcap Left End LN - No Endcap Left End LNJ No Endcap Left End, with jumper	RNJ - No Endcap Right End, with jumper	CPB - Center Power Feed, Plenum rated 72" wires CJB - Center Power Feed, Junction Box CNPF - No Power Feed
	12"–144" 2" increments	HE48LO - Low HE48SO - Standard HE48MO - Medium HE48HO - High HE64VHO - Very High HE64XHO - Max	22K - 2200K 25K - 2500K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K			LNJ - No Endcap Left End, with jumper	RE - Endcap Right End RN - No Endcap Right End RNJ - No Endcap Right End, with jumper	CPB - Center Power Feed, Plenum rated 72" wires CJB - Center Power Feed, Junction Box CNPF - No Power Feed

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 - Fixtures with a jumper can either give or receive power from an adjacent fixture. Adjacent fixtures with their own individual power feed should NOT also be electrically joined together with jumpers

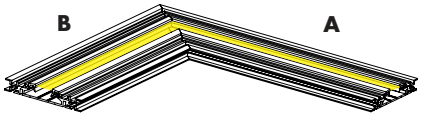
Linii GDS Corner Options

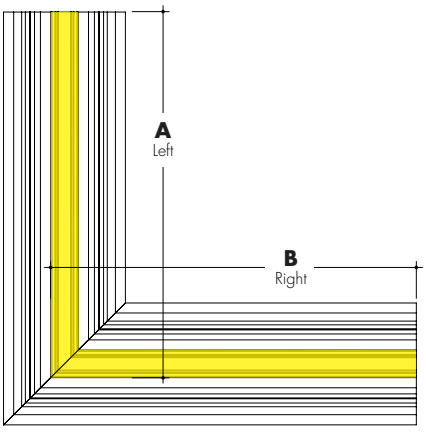
LIN-IC
Inner Corner



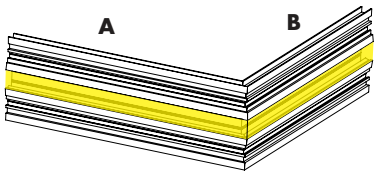


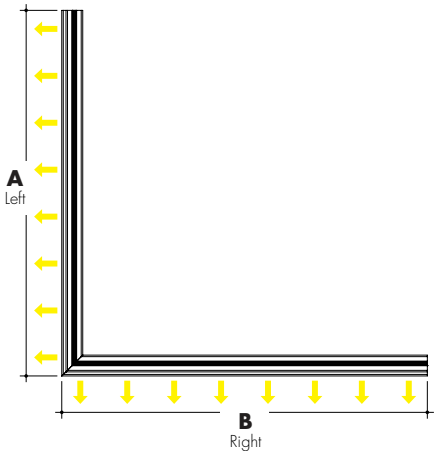
LIN-FC
Flat Corner





LIN-OC
Outside Corner





High Color Quality	Actual Length		Total Wattage		
Corner Type	**A**	**B**	**72SO**	**72HO**	**72VHO**
Flat (LIN-FC)	11 11/16	12 5/16	5.3	9.0	12.1
Outer (LIN-OC)	12 5/16	12 5/16	5.3	9.0	12.1
Inner (LIN-IC)	11 2/16	11 2/16	5.3	9.0	12.1

High Efficacy	Actual Length		Total Wattage				Actual Length		Total Wattage	
Corner Type	**A**	**B**	**HE48LO**	**HE48SO**	**HE48MO**	**HE48HO**	**A**	**B**	**HE64SO**	**HE64HO**
Flat (LIN-FC)	12	12 11/16	3.4	4.9	6.4	13.2	12 5/16	13	14.5	18.3
Outer (LIN-OC)	12 9/16	12 9/16	3.4	4.9	6.4	13.2	12 14/16	12 14/16	14.5	18.3
Inner (LIN-IC)	11 6/16	11 6/16	3.4	4.9	6.4	13.2	11 11/16	11 11/16	14.5	18.3

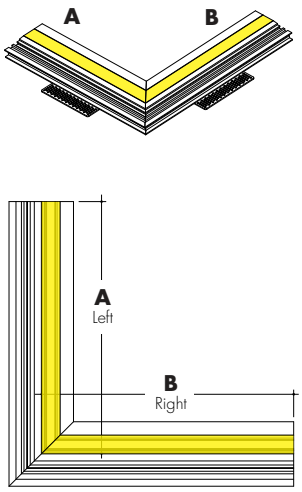
Ordering Code

MODEL	CORNER TYPE	ANGLE[1]	OUTPUT[2]	CCT	LENS	MOUNTING	LEFT END CAP[3]	RIGHT END CAP[3]	POWER SUPPLY TYPE
LIN - Linii	IC - Inner Corner OC - Outer Corner FC - Flat Corner	90 - 90° Corner C Custom Angle Corner[1]	72SO - Standard 72HO - High 72VHO - Very High	19K - 1900K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	F - Frosted Lens FS - Frosted Silicone Lens N - No Lens	GDS - Gypsum Drywall Surface	LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	CPB - Center Power Feed, Plenum rated 72" wires CJB - Center Power Feed, Junction Box
			HE48LO - Low HE48SO - Standard HE48MO - Medium HE48HO - High HE64VHO - Very High HE64XHO - Max	22K - 2200K 25K - 2500K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K			LE - Endcap Left End LN - No Endcap Left End LNJ No Endcap Left End, with jumper	RNJ - No Endcap Right End, with jumper	CPB - Center Power Feed, Plenum rated 72" wires CJB - Center Power Feed, Junction Box CNPF - No Power Feed
							LNJ - No Endcap Left End, with jumper	RE - Endcap Right End RN - No Endcap Right End RNJ - No Endcap Right End, with jumper	CPB - Center Power Feed, Plenum rated 72" wires CJB - Center Power Feed, Junction Box CNPF - No Power Feed

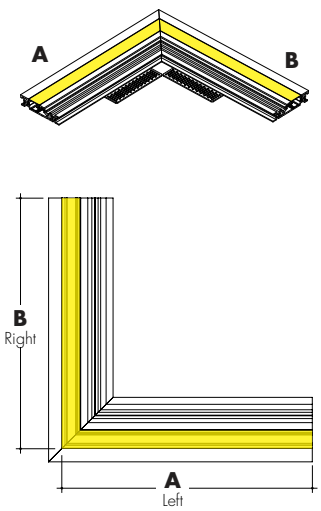
1 - Custom Angle Corners are available, please consult Inside Sales with specific request.
2 - All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.
3 - Cant be paired with LE - RE option

Linii DHS Corner Options

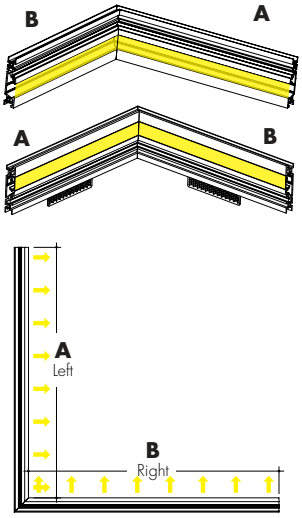
LIN-FC1
Flat Corner (Option 1)



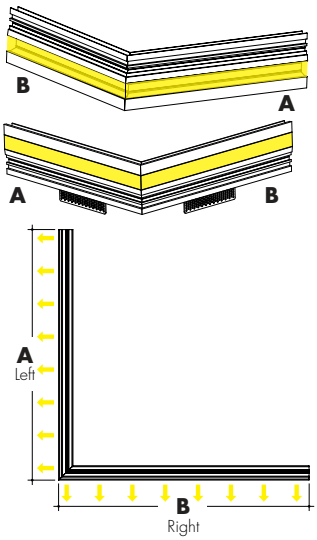
LIN-FC2
Flat Corner (Option 2)



LIN-IC
Inner Corner



LIN-OC
Outside Corner



High Color Quality	Actual Length		Total Wattage		
Corner Type	**A**	**B**	**72SO**	**72HO**	**72VHO**
Flat Option 1 (LIN-FC1)	11 11/16	12 5/16	5.3	9.0	12.1
Flat Option 2 (LIN-FC2)	11 11/16	12 5/16	5.3	9.0	12.1
Outer (LIN-OC)	12 5/16	12 5/16	5.3	9.0	12.1
Inner (LIN-IC)	11 2/16	11 2/16	5.3	9.0	12.1

High Efficacy	Actual Length		Total Wattage				Actual Length		Total Wattage	
Corner Type	**A**	**B**	**HE48LO**	**HE48SO**	**HE48MO**	**HE48HO**	**A**	**B**	**HE64SO**	**HE64HO**
Flat Option 1 (LIN-FC1)	12	12 11/16	3.4	4.9	6.4	13.2	12 5/16	13	14.5	18.3
Flat Option 2 (LIN-FC2)	12	12 11/16	3.4	4.9	6.4	13.2	12 5/16	13	14.5	18.3
Outer (LIN-OC)	12 9/16	12 9/16	3.4	4.9	6.4	13.2	12 14/16	12 14/16	14.5	18.3
Inner (LIN-IC)	11 6/16	11 6/16	3.4	4.9	6.4	13.2	11 11/16	11 11/16	14.5	18.3

Ordering Code

MODEL - CORNER TYPE - ANGLE[1] - OUTPUT[2] - CCT - LENS - MOUNTING - LEFT END CAP[3] - RIGHT END CAP[3] - POWER SUPPLY TYPE

LIN - Linii

IC - Inner Corner
OC - Outer Corner
FC1 - Flat Corner (option 1)
FC2 - Flat Corner (option 2)

90 - 90° Corner
C Custom Angle Corner

72SO - Standard
72HO - High
72VHO - Very High

19K - 1900K
22K - 2200K
24K - 2400K
27K - 2700K
30K - 3000K
35K - 3500K
41K - 4100K

HE48LO - Low
HE48SO - Standard
HE48MO - Medium
HE48HO - High
HE64VHO - Very High
HE64XHO - Max

22K - 2200K
25K - 2500K
27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K

F - Frosted Lens
FS - Frosted Silicone Lens
N - No Lens

DHS - Drywall to Hard Surface

LE - Endcap Left End
LN - No Endcap Left End
LNJ No Endcap Left End, with jumper

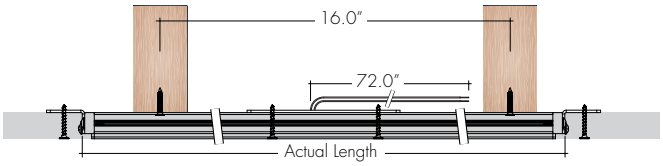
RE - Endcap Right End
RN - No Endcap Right End
RNJ - No Endcap Right End, with jumper

CPB - Center Power Feed, Plenum rated 72" wires
CJB - Center Power Feed, Junction Box
CNPF - No Power Feed

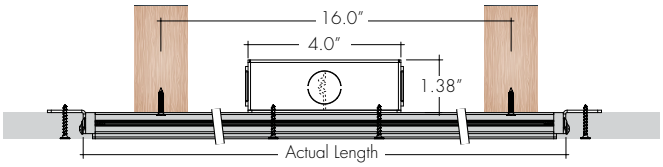
1 Custom Angle Corners are available, please consult Inside Sales with specific request.
2 - All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.
3 - Cant be paired with LE - RE option

Powerfeed options for Straight Fixtures

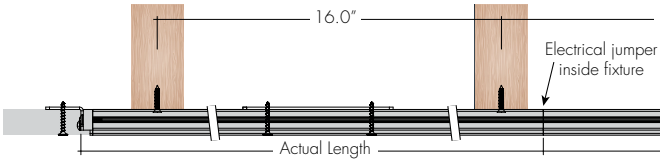
LIN-LE-RE-CPB
Wire leads, plenum rated CL3R cable on Straight Fixture



LIN-LE-RE-CJB
One integrated junction box centered on Straight fixture

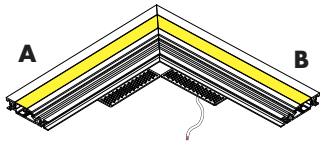


LIN-LE-RNJ-CNPF
No Power Feed, fixture is receiving power from adjacent fixture with jumper

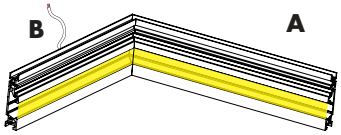


Powerfeed options for Corner Fixtures

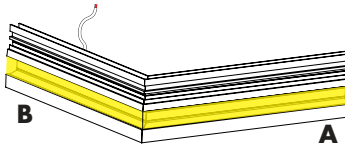
LIN-FC-90-XX-DHS-CPB
Wire Leads centered on segment B of corner

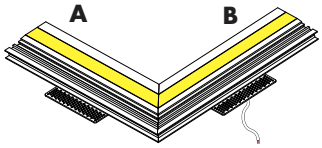


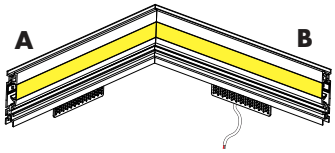
LIN-IC-90-XX-DHS-CPB
Wire Leads centered on segment B of corner

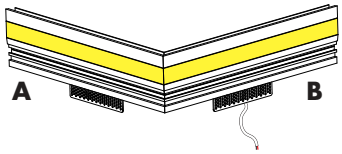


LIN-OC-90-XX-DHS-CPB
Wire Leads centered on segment B of corner

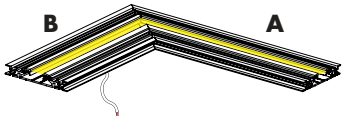




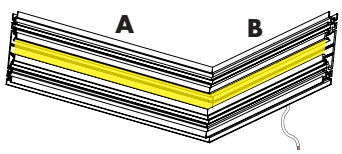




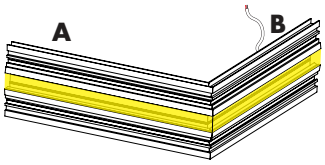
LIN-FC-90-XX-GDS-CPB
Wire Leads centered on segment B of corner



LIN-IC-90-XX-DHS-CPB
Wire Leads centered on segment B of corner



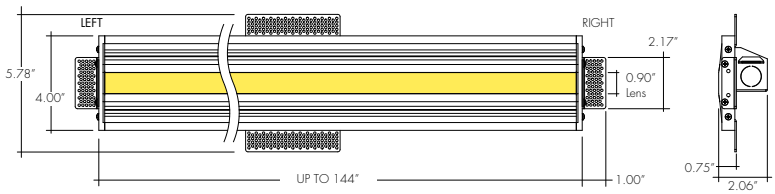
LIN-OC-90-XX-GDS-CPB
Wire Leads centered on segment B of corner

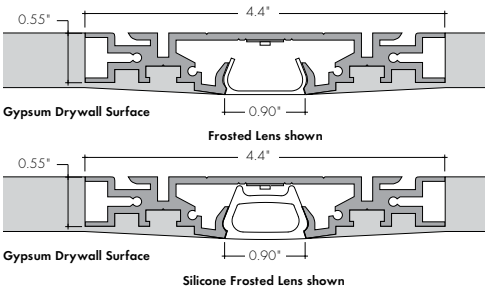


Note: Plenum wire leads are shown, but the same standard also applied to the junction box which is also centered on segment B of the corner fixture.

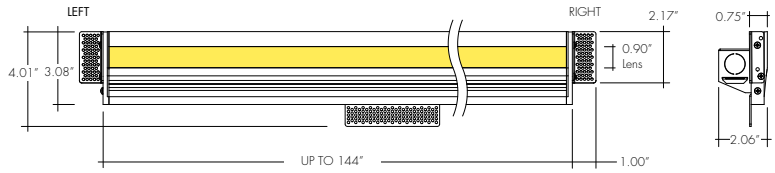
Product Dimensions

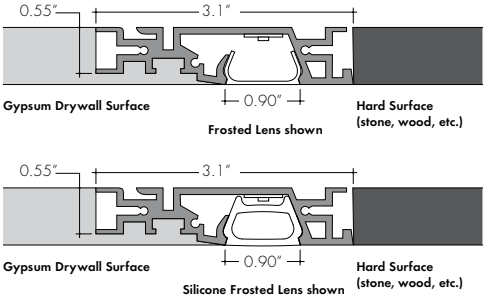
Linii GDS - Gypsum Drywall Surface





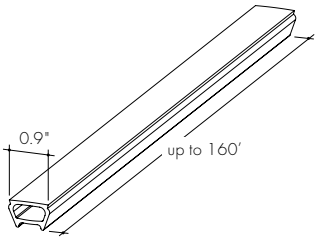
Linii DHS - Gypsum Drywall Surface to Hard Surface





Accessory Options

Continuous Lens (Field Cuttable)



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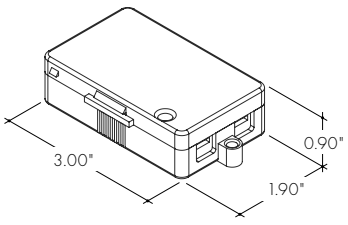
LINC-FS - Linii Channel Continuous Frosted Silicone Lens **XX** - Order in 10' increments up to 160'

Note: Order the continuous (field cuttable) lens up to 160'. Recommended to avoid seams between multiple fixtures joining together.

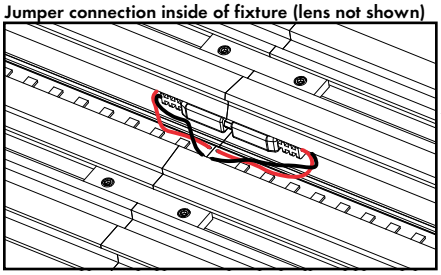
LVSP-4T-BK

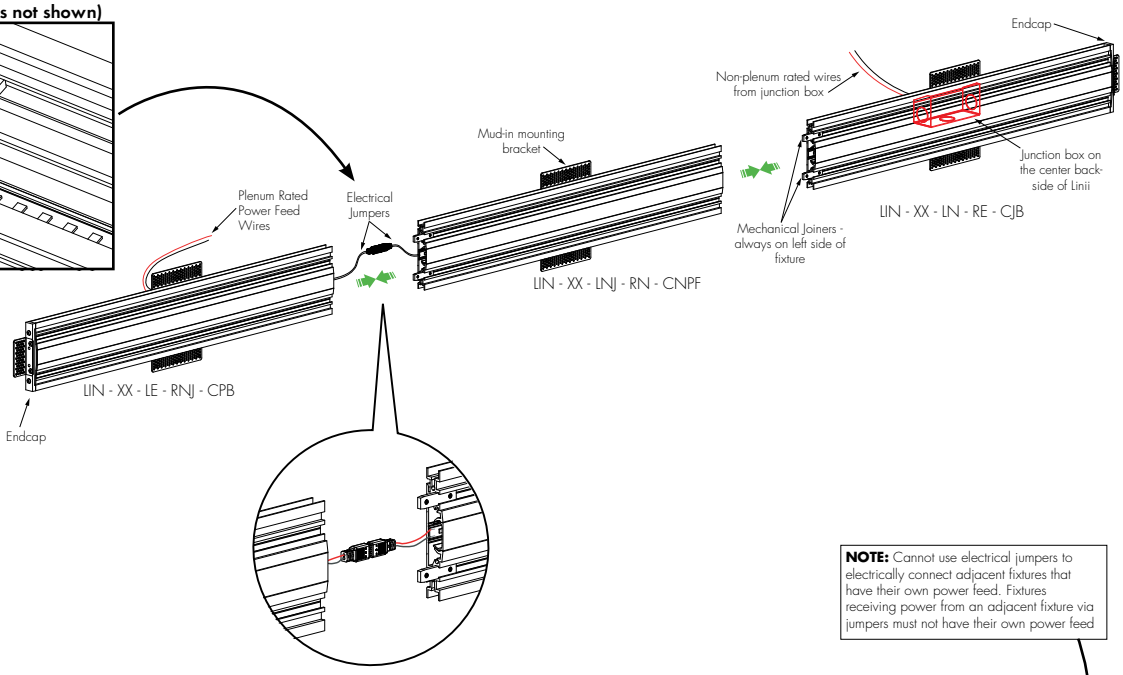
Low Voltage, 4 Terminal Splice Box, Black



Sample Layout of Power Feed

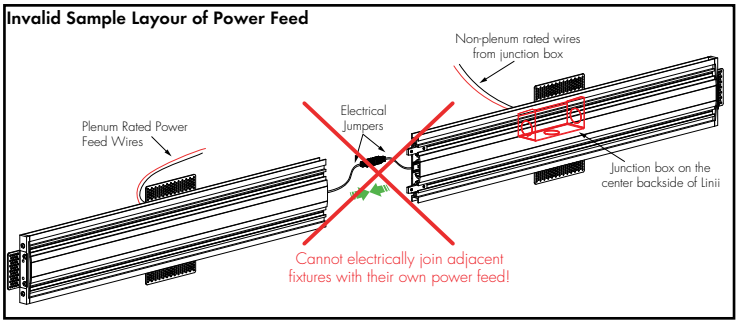
Jumper connection inside of fixture (lens not shown)





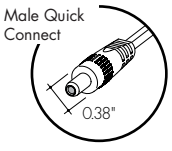
NOTE: Cannot use electrical jumpers to electrically connect adjacent fixtures that have their own power feed. Fixtures receiving power from an adjacent fixture via jumpers must not have their own power feed

Invalid Sample Layour of Power Feed

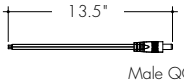


Powerfeeds and Connectors

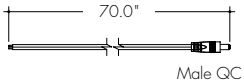
Linking and Extension Cable Options

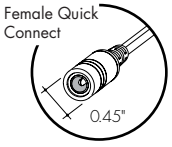


LMC-12
Male quick-connect, 2 pin, 12"

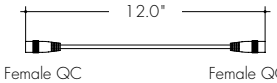


LMC-70
Male quick-connect long, 2 pin, 70"

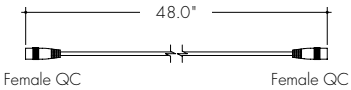




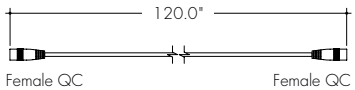
EC-12
Female to Female Extension Cable, 2 pin, 12"

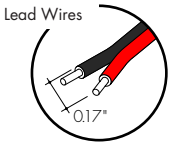


EC-48
Female to Female Extension Cable, 2 pin, 48"

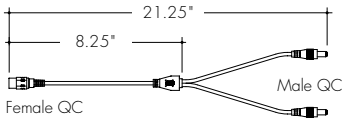


EC-120
Female to Female Extension Cable, 2 pin, 120"

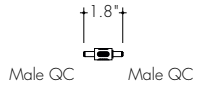




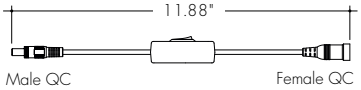
LYC
1 Female to 2 Male Splitter Cable, 2 pin, 12"

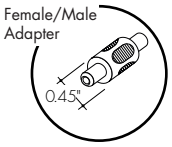


FMA
Female to male adapter



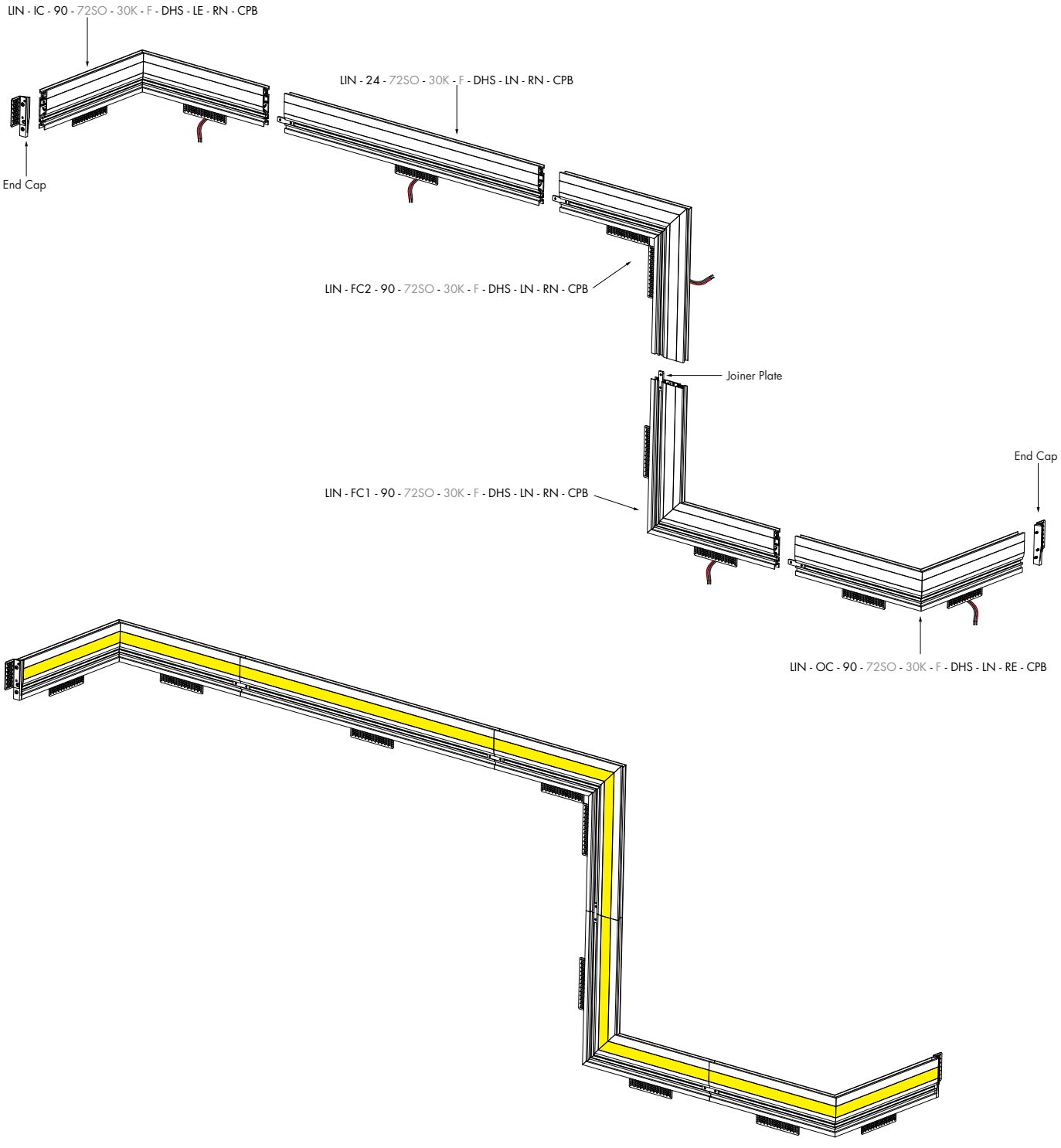
IS-DC
Male to Female Inline DC Switch, 2 pin, 12"





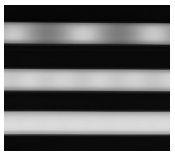
Layout Example

Corner types and straight runs are are ordered individually



Light Transmission and Dotting

	Lens/Accessory							
Output Type	**Frosted**				**Frosted Silicone**			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%
72SO	ND	ND	ND	ND	ND	ND	ND	ND
72HO	ND	ND	ND	ND	ND	ND	ND	ND
72VHO	ND	ND	ND	ND	ND	ND	ND	ND
HE48LO	ND	ND	ND	ND	ND	ND	ND	ND
HE48SO	ND	ND	ND	ND	ND	ND	ND	ND
HE48MO	ND	ND	ND	ND	ND	ND	ND	ND
HE48HO	ND	ND	ND	ND	ND	ND	ND	ND
HE64VHO	ND	ND	ND	ND	ND	ND	ND	ND
HE64XHO	ND	ND	ND	ND	ND	ND	ND	ND
Transmission Percentage	100%				107%			



CD - Clear Dotting

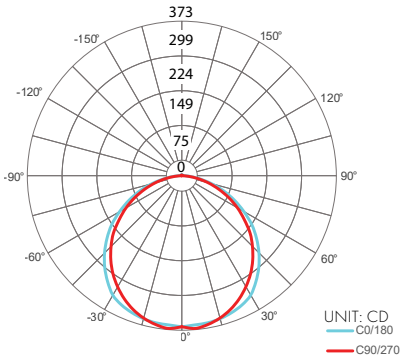
SD - Slight Dotting

ND - No Dotting

Photometry

LIN-48-30K-72VHO-F

Linii, 4ft, 3000K, VHO, Frosted Lens



Zonal Lumen Summary 3000K

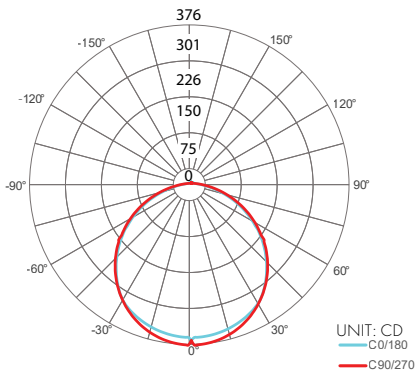
Zone	Lumen	% Fixture
0-30	295	26.1%
0-40	487	43.2%
0-60	873	77.4%
0-90	1117	99.0%
0-180	1128	100.0%
Total		

Beam Angle

111 °

LIN-48-30K-LL72VHO-FS

Linii, 4ft, 3000K, VHO, Frosted Silicon Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	320	26.5%
0-40	528	43.7%
0-60	939	77.8%
0-90	1192	98.8%
0-180	1207	100.0%
Total		

Beam Angle

111 °

Power Consumption

Tested at Full Power with PS-UNI Series power supplies.
Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Color Quality (72)

Nominal Length (in)	Actual Length	Watts			Nominal Length (in)	Actual Length	Watts			Nominal Length (in)	Actual Length	Watts			Nominal Length (in)	Actual Length	Watts		
		SO	HO	VHO			SO	HO	VHO			SO	HO	VHO			SO	HO	VHO
12	11 11/16	2.7	4.4	6.2	**47**	46 7/16	10.5	17.4	23.1	**82**	81 3/16	18.3	29.5	38.4	**117**	–	–	–	–
13	12 14/16	2.9	4.8	6.7	**48**	47 10/16	10.7	17.8	23.5	**83**	82 5/16	18.5	29.8	38.8	**118**	117 1/16	26.1	41.1	52.8
14	–	–	–	–	**49**	48 12/16	11.1	18.6	24.4	**84**	83 8/16	18.7	30.1	39.2	**119**	118 4/16	26.3	41.4	53.2
15	14	3.1	5.2	7.3	**50**	49 15/16	11.4	18.9	24.9	**85**	84 10/16	19.2	30.8	40.0	**120**	119 6/16	26.5	41.7	53.6
16	15 3/16	3.4	5.6	7.8	**51**	–	–	–	–	**86**	85 13/16	19.4	31.1	40.4	**121**	120 9/16	26.7	42.0	54.0
17	16 5/16	3.6	6.0	8.3	**52**	51 1/16	11.6	19.3	25.3	**87**	87	19.6	31.5	40.8	**122**	121 11/16	27.1	42.6	54.7
18	17 8/16	3.9	6.5	8.9	**53**	52 4/16	11.9	19.7	25.7	**88**	–	–	–	–	**123**	122 14/16	27.3	42.9	55.0
19	18 10/16	4.4	7.3	9.9	**54**	53 6/16	12.1	20.1	26.1	**89**	88 2/16	19.9	31.8	41.1	**124**	–	–	–	–
20	19 13/16	4.6	7.7	10.5	**55**	54 9/16	12.3	20.5	26.6	**90**	89 5/16	20.1	32.2	41.5	**125**	124	27.5	43.1	55.4
21	20 15/16	4.8	8.1	11.0	**56**	55 11/16	12.8	21.3	27.4	**91**	90 7/16	20.4	32.5	41.9	**126**	125 3/16	27.7	43.4	55.7
22	–	–	–	–	**57**	56 14/16	13.1	21.6	27.8	**92**	91 10/16	20.6	32.9	42.3	**127**	126 5/16	27.9	43.7	56.1
23	22 2/16	5.1	8.6	11.5	**58**	–	–	–	–	**93**	92 12/16	21.1	33.6	43.1	**128**	127 8/16	28.1	43.9	56.4
24	23 5/16	5.3	9.0	12.1	**59**	58	13.3	22.0	28.3	**94**	93 15/16	21.3	33.9	43.4	**129**	128 11/16	28.5	44.5	57.1
25	24 7/16	5.6	9.4	12.6	**60**	59 3/16	13.6	22.4	28.7	**95**	–	–	–	–	**130**	129 13/16	28.7	44.7	57.4
26	25 10/16	5.8	9.8	13.1	**61**	60 5/16	13.8	22.8	29.1	**96**	95 1/16	21.5	34.2	43.8	**131**	131	28.9	45.0	57.8
27	26 12/16	6.2	10.5	14.1	**62**	61 8/16	14.0	23.1	29.6	**97**	96 4/16	21.8	34.6	44.2	**132**	–	–	–	–
28	27 15/16	6.5	10.9	14.5	**63**	62 10/16	14.5	23.8	30.5	**98**	97 6/16	22.0	34.9	44.6	**133**	132 2/16	29.1	45.3	58.1
29	–	–	–	–	**64**	63 13/16	14.7	24.1	31.0	**99**	98 9/16	22.2	35.2	45.0	**134**	133 5/16	29.3	45.5	58.4
30	29 1/16	6.7	11.2	15.0	**65**	65	14.9	24.4	31.4	**100**	99 11/16	22.5	35.9	45.9	**135**	134 7/16	29.5	45.7	58.7
31	30 4/16	6.9	11.6	15.5	**66**	–	–	–	–	**101**	100 14/16	22.7	36.2	46.3	**136**	135 10/16	29.6	45.9	59.1
32	31 6/16	7.1	12.0	16.0	**67**	66 2/16	15.1	24.7	31.9	**102**	–	–	–	–	**137**	136 12/16	30.0	46.3	59.7
33	32 9/16	7.3	12.3	16.5	**68**	67 5/16	15.3	25.0	32.4	**103**	102	22.9	36.5	46.7	**138**	137 15/16	30.2	46.5	60.0
34	33 11/16	7.8	13.1	17.4	**69**	68 7/16	15.5	25.4	32.8	**104**	103 3/16	23.1	36.8	47.1	**139**	–	–	–	–
35	34 14/16	8.0	13.4	17.9	**70**	69 10/16	15.8	25.7	33.3	**105**	104 5/16	23.3	37.1	47.5	**140**	139 1/16	30.3	46.8	60.3
36	–	–	–	–	**71**	70 12/16	16.2	26.3	34.2	**106**	105 8/16	23.5	37.4	48.0	**141**	140 4/16	30.5	47.0	60.6
37	36	8.2	13.8	18.4	**72**	71 15/16	16.4	26.6	34.7	**107**	106 10/16	23.9	38.1	48.8	**142**	141 6/16	30.7	47.2	61.0
38	37 3/16	8.4	14.2	18.9	**73**	–	–	–	–	**108**	107 13/16	24.1	38.4	49.2	**143**	142 9/16	30.8	47.4	61.3
39	38 5/16	8.7	14.5	19.3	**74**	73 1/16	16.6	26.9	35.1	**109**	109	24.3	38.7	49.6	**144**	143 11/16	31.2	47.8	61.9
40	39 8/16	8.9	14.9	19.8	**75**	74 4/16	16.8	27.3	35.5	**110**	–	–	–	–					
41	40 10/16	9.3	15.6	20.7	**76**	75 6/16	17.1	27.6	35.9	**111**	110 2/16	24.5	39.0	50.0					
42	41 13/16	9.6	16.0	21.2	**77**	76 9/16	17.3	27.9	36.3	**112**	111 5/16	24.8	39.3	50.4					
43	43	9.8	16.4	21.7	**78**	77 11/16	17.7	28.5	37.2	**113**	112 7/16	25.0	39.6	50.8					
44	–	–	–	–	**79**	78 14/16	17.9	28.9	37.6	**114**	113 10/16	25.2	39.9	51.2					
45	44 2/16	10.0	16.7	22.1	**80**	–	–	–	–	**115**	114 12/16	25.6	40.5	52.0					
46	45 5/16	10.2	17.1	22.6	**81**	80	18.1	29.2	38.0	**116**	115 15/16	25.9	40.8	52.4					

Power Consumption

Tested at Full Power with PS-UNI Series power supplies.
Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Efficacy (HE48)

Nominal Length (in)	Actual Length	Watts				Nominal Length (in)	Actual Length	Watts				Nominal Length (in)	Actual Length	Watts				Nominal Length (in)	Actual Length	Watts			
		LO	SO	MO	HO			LO	SO	MO	HO			LO	SO	MO	HO			LO	SO	MO	HO
12	11 15/16	1.7	2.5	3.5	5.7	**47**	–	–	–	–	–	**82**	–	–	–	–	–	**tttttt**	116 4/16	17.5	27.7	34.3	58.7
13	–	–	–	–	–	**48**	47 6/16	7.1	11.2	13.9	25.4	**83**	82 13/16	12.8	20.3	24.5	43.1	**118**	–	–	–	–	–
14	13 14/16	2.0	3.0	4.0	7.2	**49**	–	–	–	–	–	**84**	–	–	–	–	–	**119**	118 4/16	17.8	28.1	34.9	59.6
15	–	–	–	–	–	**50**	49 5/16	7.4	11.7	14.5	26.3	**85**	84 12/16	13.1	20.8	25.1	44.1	**120**	–	–	–	–	–
16	15 14/16	2.4	3.5	4.6	8.7	**51**	–	–	–	–	–	**86**	–	–	–	–	–	**121**	120 3/16	18.1	28.6	35.5	60.5
17	–	–	–	–	–	**52**	51 5/16	7.7	12.3	15.1	27.4	**87**	86 12/16	13.4	21.3	25.7	45.0	**122**	–	–	–	–	–
18	17 13/16	2.7	3.9	5.2	10.2	**53**	–	–	–	–	–	**88**	–	–	–	–	–	**123**	122 3/16	18.3	29.0	36.0	62.1
19	–	–	–	–	–	**54**	53 4/16	8.0	12.9	15.7	28.5	**89**	88 11/16	13.7	21.7	26.3	46.0	**124**	–	–	–	–	–
20	19 13/16	3.0	4.4	5.8	11.7	**55**	–	–	–	–	–	**90**	–	–	–	–	–	**125**	124 2/16	18.4	29.5	36.6	63.8
21	–	–	–	–	–	**56**	55 4/16	8.4	13.5	16.4	29.5	**91**	90 11/16	14.0	22.1	26.9	47.0	**126**	–	–	–	–	–
22	21 12/16	3.4	4.9	6.4	13.2	**57**	–	–	–	–	–	**92**	–	–	–	–	–	**127**	126 2/16	18.6	29.9	37.2	65.4
23	–	–	–	–	–	**58**	57 3/16	8.7	14.0	17.0	30.6	**93**	92 10/16	14.3	22.6	27.5	47.9	**128**	–	–	–	–	–
24	23 12/16	3.7	5.4	7.0	14.7	**59**	–	–	–	–	–	**94**	–	–	–	–	–	**129**	128 1/16	18.8	30.4	37.7	67.0
25	–	–	–	–	–	**60**	59 3/16	9.0	14.6	17.6	31.6	**95**	94 10/16	14.4	22.8	27.8	48.4	**130**	–	–	–	–	–
26	25 11/16	4.1	5.9	7.5	15.8	**61**	–	–	–	–	–	**96**	–	–	–	–	–	**131**	130 1/16	18.9	30.8	38.3	68.6
27	–	–	–	–	–	**62**	61 2/16	9.4	15.2	18.2	32.6	**97**	96 9/16	14.7	23.3	28.5	49.4	**132**	–	–	–	–	–
28	27 11/16	4.4	6.4	8.1	16.8	**63**	–	–	–	–	–	**98**	–	–	–	–	–	**133**	132	19.1	31.2	38.9	70.2
29	–	–	–	–	–	**64**	63 2/16	9.7	15.6	18.7	33.7	**99**	98 9/16	15.0	23.7	29.0	50.4	**134**	134	19.3	31.8	39.4	70.7
30	29 10/16	4.8	6.9	8.7	17.9	**65**	–	–	–	–	–	**100**	–	–	–	–	–	**135**	–	–	–	–	–
31	–	–	–	–	–	**66**	65 1/16	10.0	16.1	19.2	34.7	**101**	100 8/16	15.3	24.1	29.6	51.3	**136**	135 15/16	19.5	32.3	40.0	71.2
32	31 10/16	5.0	7.2	9.0	18.5	**67**	–	–	–	–	–	**102**	–	–	–	–	–	**137**	–	–	–	–	–
33	–	–	–	–	–	**68**	67 1/16	10.4	16.5	19.8	35.7	**103**	102 8/16	15.6	24.6	30.2	52.3	**138**	137 15/16	19.8	32.8	40.6	71.8
34	33 9/16	5.4	7.7	9.6	19.5	**69**	–	–	–	–	–	**104**	–	–	–	–	–	**139**	–	–	–	–	–
35	–	–	–	–	–	**70**	69	10.7	17.0	20.3	36.7	**105**	104 7/16	15.8	25.0	30.7	53.2	**140**	139 14/16	20.0	33.3	41.1	72.3
36	35 9/16	5.7	8.2	10.2	20.6	**71**	71	11.0	17.4	20.8	37.7	**106**	–	–	–	–	–	**141**	–	–	–	–	–
37	–	–	–	–	–	**72**	–	–	–	–	–	**107**	106 7/16	16.1	25.5	31.3	54.2	**142**	141 14/16	20.2	33.9	41.7	72.8
38	37 8/16	6.0	8.7	10.8	21.5	**73**	72 15/16	11.3	17.9	21.4	38.7	**108**	–	–	–	–	–	**143**	–	–	–	–	–
39	–	–	–	–	–	**74**	–	–	–	–	–	**109**	108 6/16	16.4	25.9	31.9	55.2	**144**	143 13/16	20.4	34.4	42.3	73.4
40	39 8/16	6.2	9.2	11.4	22.3	**75**	74 15/16	11.6	18.4	22.0	39.6	**110**	–	–	–	–	–						
41	–	–	–	–	–	**76**	–	–	–	–	–	**111**	110 6/16	16.7	26.4	32.5	56.1						
42	41 7/16	6.4	9.7	12.0	23.1	**77**	76 14/16	11.9	18.9	22.7	40.5	**112**	–	–	–	–	–						
43	–	–	–	–	–	**78**	–	–	–	–	–	**113**	112 5/16	17.0	26.8	33.1	57.0						
44	43 7/16	6.7	10.2	12.6	23.9	**79**	78 14/16	12.2	19.4	23.3	41.4	**114**	–	–	–	–	–						
45	–	–	–	–	–	**80**	–	–	–	–	–	**115**	114 5/16	17.3	27.3	33.7	57.9						
46	45 6/16	6.9	10.7	13.3	24.7	**81**	80 13/16	12.5	19.9	23.9	42.2	**116**	–	–	–	–	–						

Power Consumption

Tested at Full Power with PS-UNI Series power supplies.
Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.

High Efficacy (HE64)

Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts		Nominal Length (in)	Actual Length	Watts	
		VHO	XHO			VHO	XHO			VHO	XHO			VHO	XHO
12	10 12/16	7.6	9.7	**47**	–	–	–	**82**	81 14/16	51.7	63.4	**117**	116 12/16	72.8	80.7
13	12 4/16	7.6	9.7	**48**	47 1/16	29.5	37.6	**83**	–	–	–	**118**	–	–	–
14	13 12/16	8.9	11.3	**49**	48 9/16	30.1	38.4	**84**	83 7/16	52.3	63.8	**119**	118 4/16	73.3	81.0
15	–	–	–	**50**	–	–	–	**85**	84 15/16	53.6	64.7	**120**	119 12/16	74.4	81.7
16	15 4/16	9.5	12.1	**51**	50 2/16	31.4	40.2	**86**	–	–	–	**121**	–	–	–
17	16 13/16	10.7	13.6	**52**	51 10/16	32.0	41.1	**87**	86 7/16	54.2	65.3	**122**	121 4/16	74.8	82.0
18	–	–	–	**53**	–	–	–	**88**	87 15/16	55.5	66.3	**123**	122 12/16	75.6	82.5
19	18 5/16	11.4	14.4	**54**	53 2/16	33.3	42.9	**89**	–	–	–	**124**	–	–	–
20	19 13/16	12.6	16.0	**55**	54 10/16	34.0	43.8	**90**	89 7/16	56.2	66.8	**125**	124 5/16	76.0	82.8
21	–	–	–	**56**	–	–	–	**91**	91	57.5	67.9	**126**	125 13/16	76.8	83.4
22	21 5/16	13.2	16.8	**57**	56 2/16	35.2	45.5	**92**	–	–	–	**127**	–	–	–
23	22 13/16	14.5	18.3	**58**	57 11/16	36.5	47.3	**93**	92 8/16	58.2	68.4	**128**	127 5/16	77.2	83.6
24	–	–	–	**59**	–	–	–	**94**	–	–	–	**129**	128 13/16	78.0	84.2
25	24 6/16	15.1	19.1	**60**	59 3/16	37.2	48.2	**95**	94	59.5	69.5	**130**	–	–	–
26	25 14/16	16.4	20.7	**61**	60 11/16	38.4	50.0	**96**	95 8/16	60.1	70.0	**131**	130 6/16	78.4	84.5
27	–	–	–	**62**	–	–	–	**97**	–	–	–	**132**	131 14/16	79.2	85.0
28	27 6/16	17.0	21.4	**63**	62 3/16	39.1	50.8	**98**	97 1/16	61.4	71.1	**133**	–	–	–
29	28 14/16	18.2	23.0	**64**	63 12/16	40.4	52.5	**99**	98 9/16	62.0	71.7	**134**	133 6/16	79.6	85.4
30	–	–	–	**65**	–	–	–	**100**	–	–	–	**135**	134 14/16	80.3	86.2
31	30 7/16	18.9	23.8	**66**	65 4/16	41.0	53.4	**101**	100 1/16	63.2	72.9	**136**	–	–	–
32	31 15/16	20.1	25.3	**67**	66 12/16	42.3	55.1	**102**	101 9/16	63.8	73.5	**137**	136 6/16	80.6	86.6
33	–	–	–	**68**	–	–	–	**103**	–	–	–	**138**	137 15/16	81.3	87.5
34	33 7/16	20.7	26.1	**69**	68 4/16	42.9	55.9	**104**	103 1/16	65.0	74.7	**139**	–	–	–
35	34 15/16	22.0	27.6	**70**	69 12/16	44.2	57.6	**105**	104 10/16	65.6	75.3	**140**	139 7/16	81.7	87.9
36	–	–	–	**71**	–	–	–	**106**	–	–	–	**141**	140 15/16	82.4	88.7
37	36 7/16	22.6	28.4	**72**	71 5/16	44.9	58.5	**107**	106 2/16	66.8	76.5	**142**	–	–	–
38	38	23.9	30.1	**73**	72 13/16	46.1	59.7	**108**	107 10/16	67.4	77.1	**143**	142 7/16	82.7	89.1
39	–	–	–	**74**	–	–	–	**109**	–	–	–	**144**	144	83.4	89.9
40	39 8/16	24.5	30.9	**75**	74 5/16	46.7	60.1	**110**	109 2/16	68.5	78.0				
41	–	–	–	**76**	75 13/16	48.0	60.9	**111**	110 11/16	69.6	78.7				
42	41	25.7	32.6	**77**	–	–	–	**112**	–	–	–				
43	42 8/16	26.4	33.4	**78**	77 6/16	48.6	61.3	**113**	112 3/16	70.1	79.0				
44	–	–	–	**79**	78 14/16	49.8	62.2	**114**	113 11/16	71.2	79.7				
45	44 1/16	27.6	35.1	**80**	–	–	–	**115**	–	–	–				
46	45 9/16	28.2	35.9	**81**	80 6/16	50.4	62.6	**116**	115 3/16	71.7	80.0				

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.

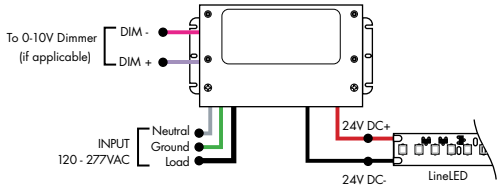
Ordering Code Universal Dimming Power Supplies 1% 120VAC - 277VAC

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

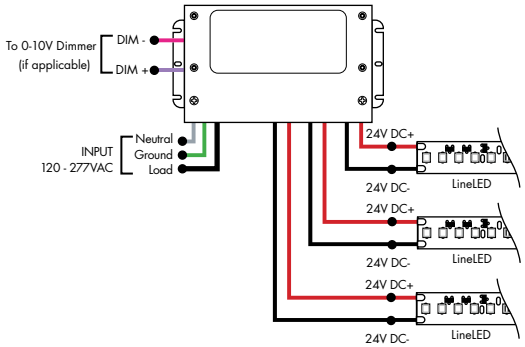
PS-UNI-D-96 / PS-UNI-W-96



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"

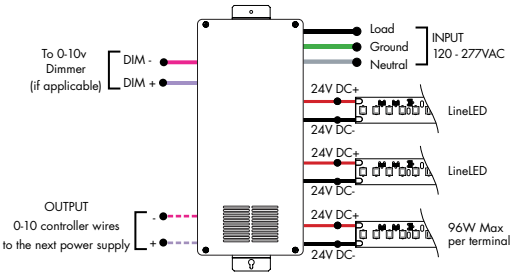
PS-UNI-D-3X96 / PS-UNI-W-3X96



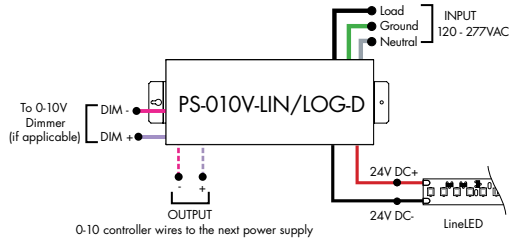
Ordering Code 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
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 3X96-3x96 Watts	24-24 VDC

PS-010V-LIN/LOG-D-3X96

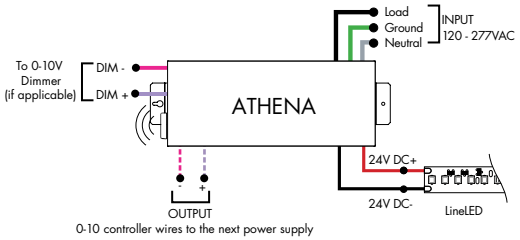


MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.45"



Athena 0-10V LED Driver

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS-Power Supply, 120-277VAC	010V-LIN-0-10V Dimming, Linear 010V-LOG-0-10V Dimming, Logarithmic	D-Dry	96-96 W	24-24 VDC	AWNR-Athena



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

Power Supplies

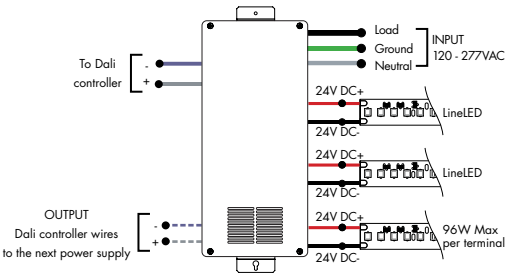
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

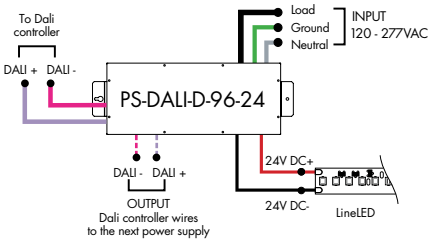
Ordering Code DALI1 Dimming Power Supplies 0.1% 120VAC - 277VAC

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"

PS-DALI-D-3X96-24





Ordering Code DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

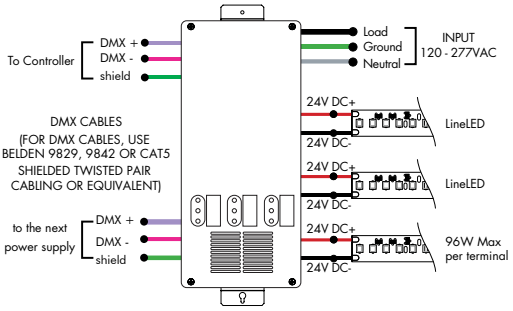
Requires Zonal Control

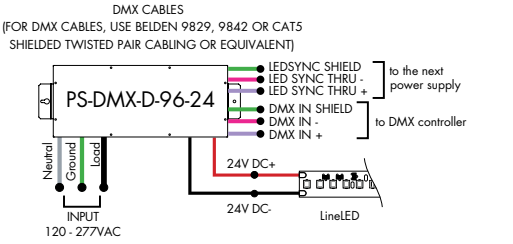
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DMX - DMX (0.1%)	D - Dry	96 - 96 Watts 3X96 - 3X96 Watts	24 - 24 VDC

*Zonal control power supplies. Control multiple tapes/zones using DMX channels.

MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"

PS-DMX-D-3X96-24

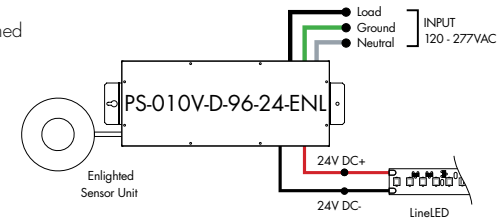




Ordering Code Enlighted Enabled Dimming Power Supplies 1% 120VAC - 277VAC

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"

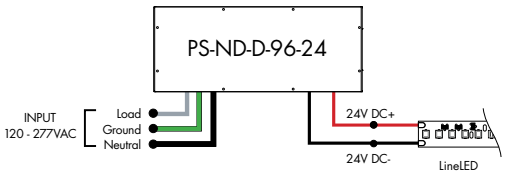


Power Supplies

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.

Ordering Code Non-Dimming Power Supply 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
	-	-	-	-
PS-Power Supply, 120-277VAC	ND-Non Dimming	D-Dry	96-96 Watts	24-24 VDC

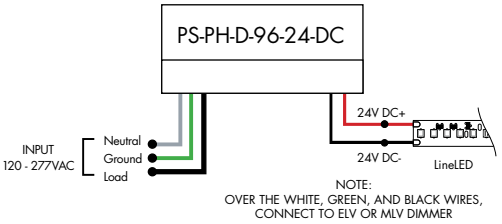


MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

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

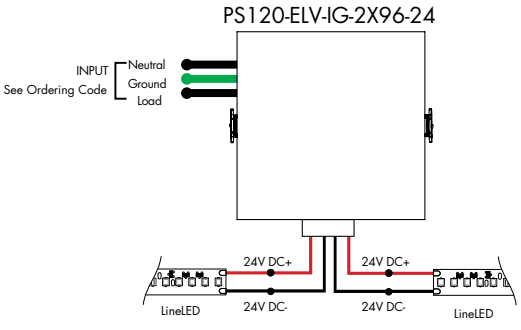
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart (Link)



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

Ordering Code 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"

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.

LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 1%

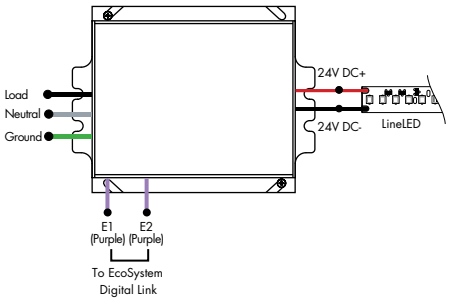
MODEL

L3DA4U1UKL-CV240

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

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

L3DA4U1UKL-CV240



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"