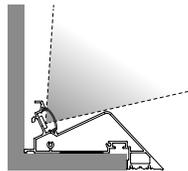
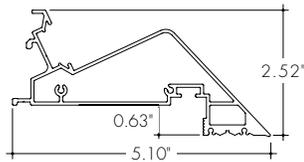




Features

- The Luminii Knife Edge system produces an elegant, seamless sharp-edged architectural feature with uniform lighting on adjacent surfaces.
- Accepts 5/8" thick drywall on its underside. architectural reveals, accent lighting and surface mount applications
- Create a soft diffused illumination, color tuning or an asymmetrical forward distribution by selecting the desired beam control offering.
- Warm Dim follows the incandescent dimming curve and is compatible with MLV, ELV, and Incandescent dimmers.
- Integrated asymmetric light engine or soft perimeter glow
- Factory cut to length
- Factory built precision Inside and Outside Corners
- Painted Eggshell RAL 9010 with primer to accept field painting
- Average Life (L70): 50,000hrs
- 7 year warranty



Technical Information

TYPE	Warm Dim
OUTPUT OPTIONS	WD68SO (19K-27K)
Lumens Output (all channels full on) (with a Clear Lens)	192 lm/ft
Average Power Consumption (for a 4' section)	5.4 W/ft
Efficacy	36 lm/W
Max Run Length (in series)	20 ft
Ambient Operating Temperature Range*	-5°F - 125°F (-20°C - 50°C)
Control/Dimming Protocol	MLV, ELV, Inc.

Warm Dim (WD68)				
CCT	TM-30			
	CRI	R _f	R _g	R ₉
1900K	96	92	96	94
2400K	97	96	103	98
2700K	96	93	106	95

* Ambient Operating Temperature Range to maintain L70 of 50k+ hours in normal mounting conditions for the fixture. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

Ordering Code

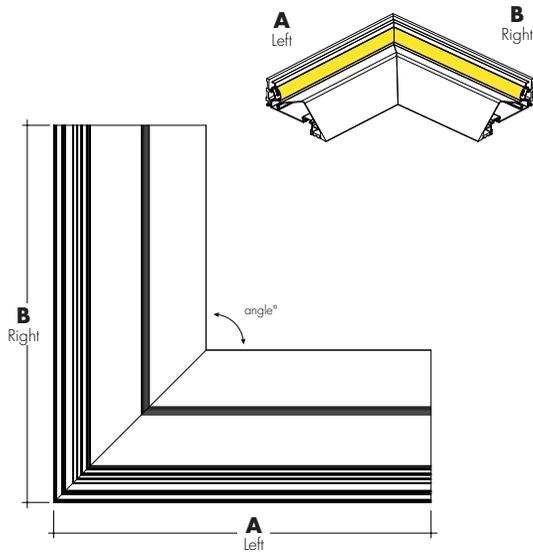
MODEL	LENGTH ¹	OUTPUT	CCT	LENS	LEFT END CAP	RIGHT END CAP	POWER FEED LEFT END ²	POWER FEED RIGHT END ²
KE - Knife Edge	12" - 84" 3" increments	WD68SO - Standard	19K27K - 1900K - 2700K	F - Frosted Lens	LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	LPB - Back Plenum Leads LNPF - No Power Feed	RPB - Back Plenum Leads RNPF - No Power Feed
					LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads
					LE - Endcap Left End LN - No Endcap Left End	RNJ - No Right Endcap, With Jumper Wires	LPB - Back Plenum Leads LNPF - No Power Feed	RNPF - No Power Feed
					LNJ - No Left Endcap, With Jumper Wires	RE - Endcap Right End RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads RNPF - No Power Feed
					LNJ - No Left Endcap, With Jumper Wires	RNJ - No Right Endcap, With Jumper Wires	LNPF - No Power Feed	RNPF - No Power Feed

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.
 2 - Plenum Rated Wire leads are 72" long.
 3 - NOTE: Cannot pair LNPF/RNPF without jumper connections - either LNJ or RNJ must be selected to allow for LNPF/RNPF to be chosen.

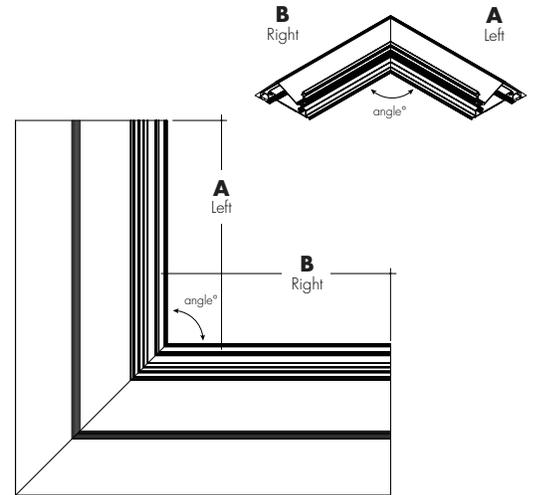
4 - NOTE: Cannot pair LPB/RPB together. Only one power feed per fixture/section on Knife Edge.
 5 - NOTE: Cannot have a power feed on the same end as a jumper wire connection.

Knife Edge Corner Options

KE-IC
Inner Corner



KE-OC
Outside Corner



Warm Dimming	Actual Length		Total Wattage
	A	B	WD68SO
Inner (KE-IC)	13 4/16	13 4/16	10.2
Outer (KE-OC)	11 14/16	11 14/16	10.2

Ordering Code

MODEL	LENGTH	ANGLE ¹	OUTPUT	CCT	LENS	LEFT END CAP	RIGHT END CAP	POWER FEED LEFT END ²	POWER FEED RIGHT END ²
KE - Knife Edge	IC - Inner Corner OC - Outer Corner	90 - 90° Corner C - Custom Angle Corner ¹	WD68SO - Standard	19K27K - 1900K - 2700K	F - Frosted Lens	LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	LPB - Back Plenum Leads	RNPF - No Power Feed
						LE - Endcap Left End LN - No Endcap Left End	RE - Endcap Right End RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads
						LE - Endcap Left End LN - No Endcap Left End	RNJ - No Right Endcap, With Jumper Wires	LPB - Back Plenum Leads	RNPF - No Power Feed
						LNJ - No Left Endcap, With Jumper Wires	RE - Endcap Right End RN - No Endcap Right End	LNPF - No Power Feed	RPB - Back Plenum Leads RNPF - No Power Feed
						LNJ - No Left Endcap, With Jumper Wires	RNJ - No Right Endcap, With Jumper Wires	LNPF - No Power Feed	RNPF - No Power Feed

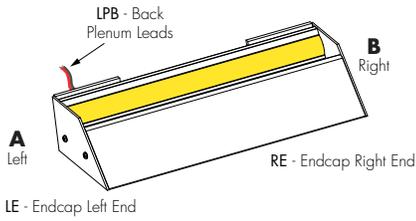
1 - Custom Angle Corners are available, please consult Inside Sales with specific request.
2 - Plenum Rated Wire leads are 72" long.

3 - NOTE: Cannot pair LNPF-RNPF without jumper connections - either LNJ or RNJ must be selected to allow for LNPF-RNPF to be chosen.
4 - NOTE: Cannot pair LPB-RPB together. Only one power feed per fixture/section on Knife Edge.
5 - NOTE: Cannot have a power feed on the same end as a jumper wire connection.

Powerfeed options for Continuous Run Straight Fixtures

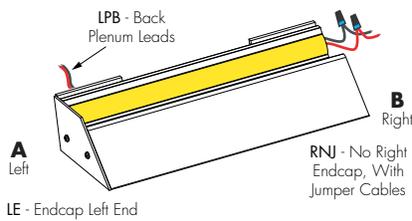
KE-XX-LE-RE-XX-

Single Fixture, both endcaps and power feed on one end



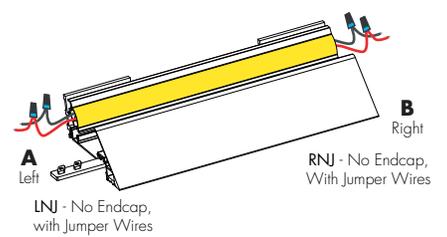
KE-XX-LE-RN-XX- / KE-XX-LN-RE-XX-

Start/End fixture, one end cap, power feed on one end, jumper cables on the other



KE-XX-LN-RN-XX-

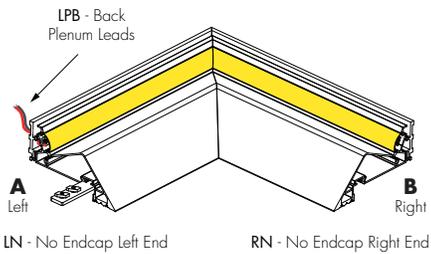
Middle fixture, no end caps, no power feed, jumper cables on both ends



Powerfeed options for Corner Fixtures

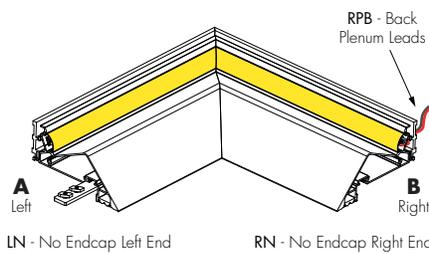
KE-IC-90-XX-LN-RN-LPB-RNPF

Inside Corner, left back power feed



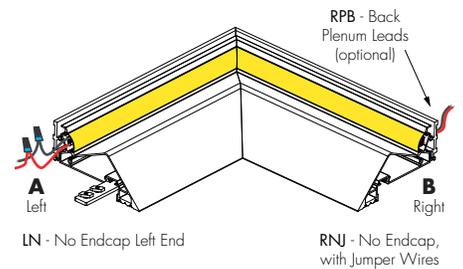
KE-IC-90-XX-LN-RN-LNPF-RPB

Inside Corner, right back power feed



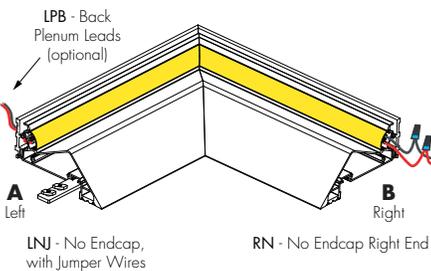
KE-IC-90-XX-LNJ-RN-LNPF-RPB

Inside Corner, jumper cables left, right back power feed



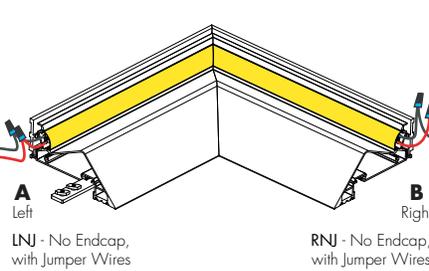
KE-IC-90-XX-LN-RNJ-LPB-RNPF

Inside Corner, left back power feed, jumper cables right



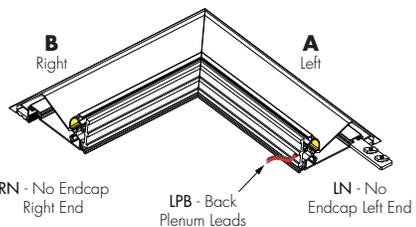
KE-IC-90-XX-LNJ-RNJ-LNPF-RNPF

Inside Corner, jumper cables left, jumper cables right



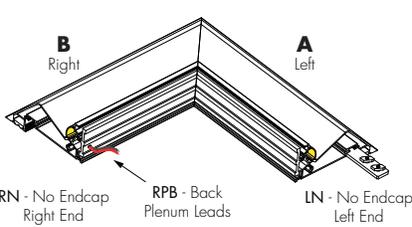
KE-OC-90-XX-LN-RN-LPB-RNPF

Outside Corner, left back power feed



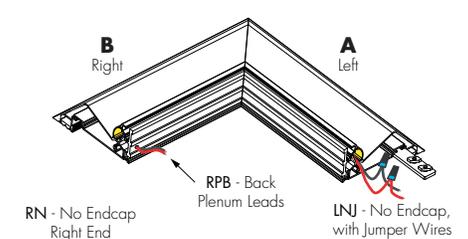
KE-OC-90-XX-LN-RN-LNPF-RPB

Outside Corner, right back power feed



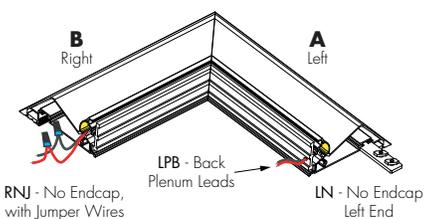
KE-OC-90-XX-LNJ-RN-LNPF-RPB

Outside Corner, jumper cables left, right back power feed



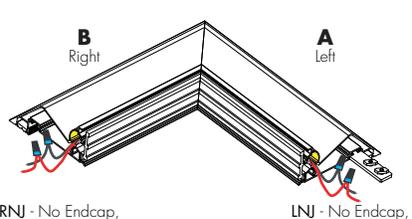
KE-OC-90-XX-XX-LN-RNJ-LPB-RNPF

Outside Corner, left back power feed, jumper cables right

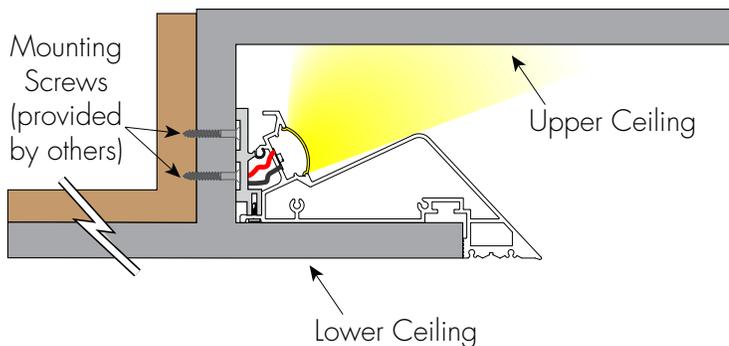
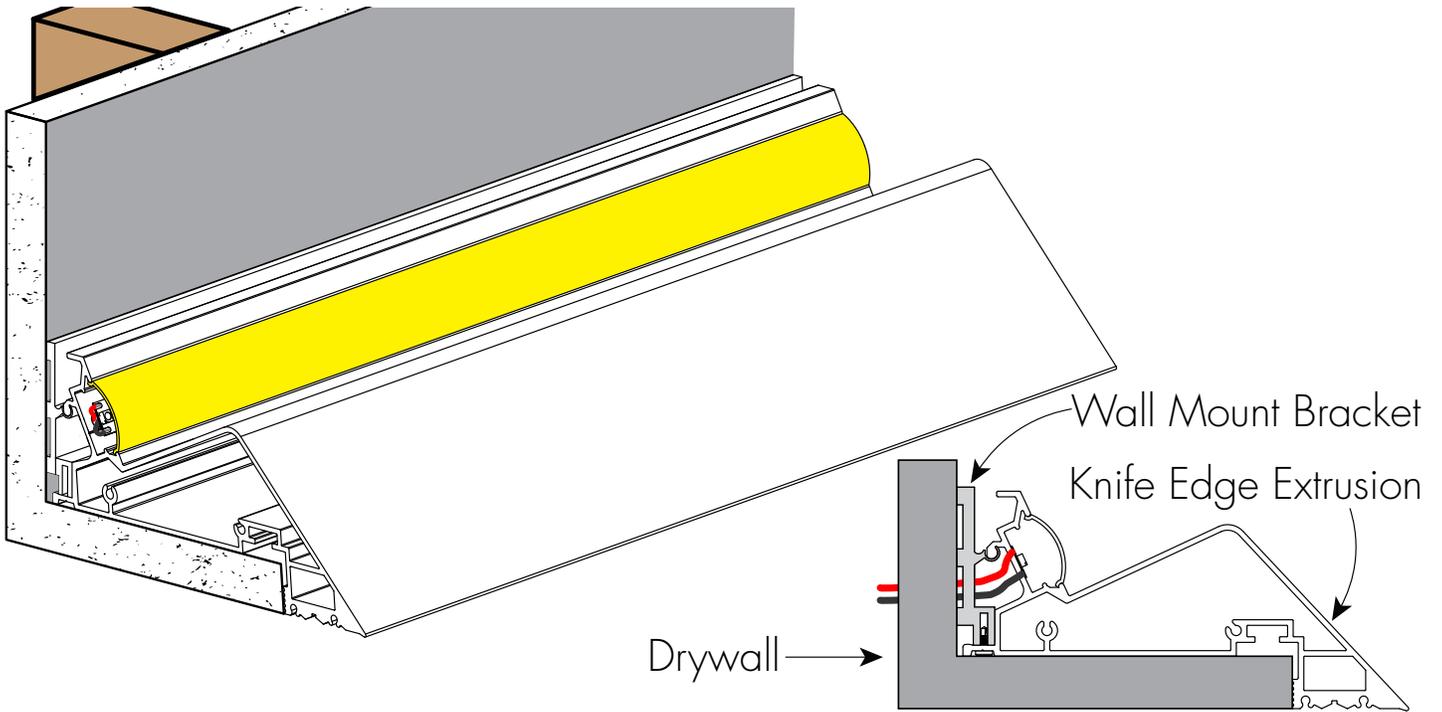
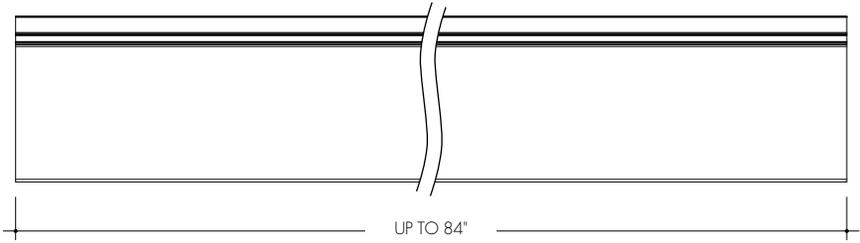
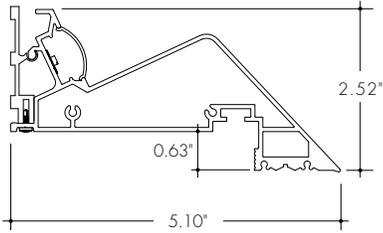


KE-OC-90-XX-LNJ-RNJ-LNPF-RNPF

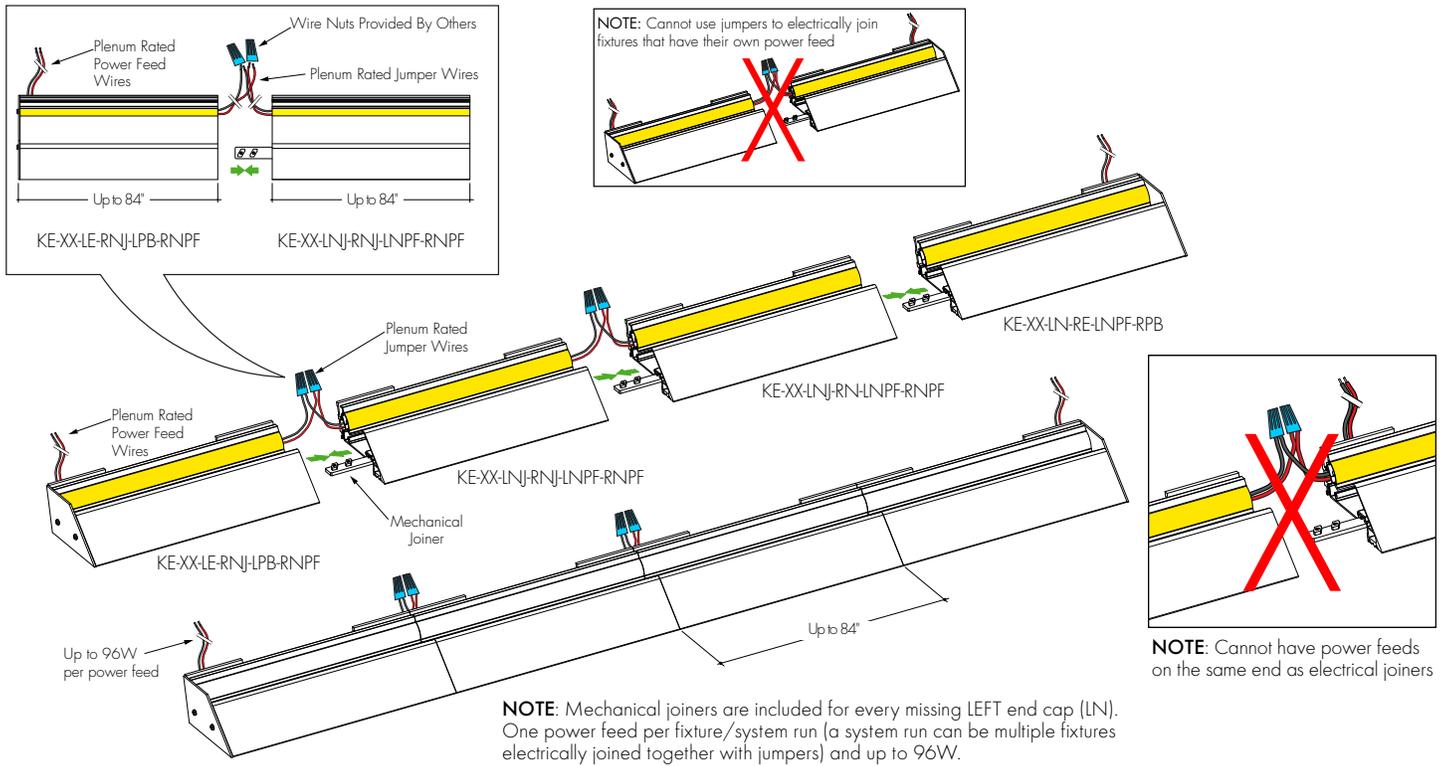
Outside Corner, jumper cables left, jumper cables right



Product Dimensions



Sample Layout of Power Feed



Light Transmission and Dotting

Output Options	Lens/Accessory			
	Frosted Lens			
Diming Level	100%	50%	10%	1%
WD68SO	ND	ND	ND	ND
Transmission Percentage	100%			



CD - Clear Dotting

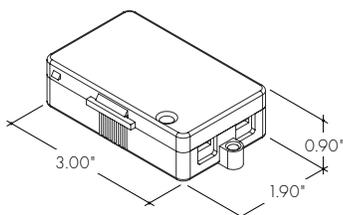
SD - Slight Dotting

ND - No Dotting

Accessory Options

LVSP-4T-BK

Low Voltage, 4 Terminal Splice Box, Black



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.

Warm Dim (WD68)

Nominal Length (in)	Actual Length	Watts	Nominal Length (in)	Actual Length	Watts	Nominal Length (in)	Actual Length	Watts
		SO			SO			SO
12	10 12/16	4.6	47	–	–	82	–	–
13	–	–	48	47 11/16	21.0	83	82 2/16	34.8
14	13 4/16	5.8	49	–	–	84	–	–
15	–	–	50	–	–			
16	15 11/16	6.9	51	50 2/16	22.0			
17	–	–	52	–	–			
18	–	–	53	52 10/16	23.0			
19	18 2/16	8.0	54	–	–			
20	–	–	55	–	–			
21	20 10/16	9.1	56	55 1/16	24.1			
22	–	–	57	–	–			
23	–	–	58	57 8/16	25.1			
24	23 1/16	10.2	59	–	–			
25	–	–	60	60	26.1			
26	25 9/16	11.3	61	–	–			
27	–	–	62	–	–			
28	28	12.3	63	62 7/16	27.1			
29	–	–	64	–	–			
30	–	–	65	64 14/16	28.0			
31	30 7/16	13.4	66	–	–			
32	–	–	67	–	–			
33	32 15/16	14.5	68	67 6/16	29.0			
34	–	–	69	–	–			
35	–	–	70	69 13/16	30.0			
36	35 6/16	15.6	71	–	–			
37	–	–	72	–	–			
38	37 13/16	16.7	73	72 5/16	30.9			
39	–	–	74	–	–			
40	–	–	75	74 12/16	32.0			
41	40 5/16	17.8	76	–	–			
42	–	–	77	–	–			
43	42 12/16	18.9	78	77 3/16	33.1			
44	–	–	79	–	–			
45	–	–	80	79 11/16	33.9			
46	45 3/16	20.0	81	–	–			

Voltage Drop Calculator

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

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

For use with Warm Dim, WD68

Ordering Code Phase Dimming Power Supply 1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	OUTPUT CONTROL
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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"

