

Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 48' depending on output
- Suitable for undercabinet, millwork, closet/ storage space, cove, curtain pocket, toe kick, architectural reveals, banister/ handrail, accent lighting, and surface mount applications
- Approved for closet/storage space installation per NEC 410.16(A) (3) and 410.16(C)(5) on outputs 5.7 W/ft or less
- 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 over 600 lm/ft and up to 85 lm/W
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- Average Life (L70): 50,000hrs
- 7 Year warranty

Finish Options (see page 3 for additional information)

- Base Silver Anodized
- Powder Coat Black Bronze White
- Premium 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) <small>(with a Frosted Lens)</small>	165 lm/ft	268 lm/ft	325 lm/ft	161 lm/ft	222 lm/ft	297 lm/ft	476 lm/ft	603 lm/ft
Average Power Consumption <small>(for a 4' section)</small>	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	59 lm/W	56 lm/W	54 lm/W	85 lm/W	79 lm/W	85 lm/W	73 lm/W	80 lm/W
Max Run Length <small>(in series)</small>	40 ft	31 ft	22 ft	48 ft	42 ft	33 ft	21 ft	15 ft
Ambient Operating Temperature Range*	-5°F - 125°F <small>(-20°C - 50°C)</small>			-5°F - 125°F <small>(-20°C - 50°C)</small>				-5°F - 115°F <small>(-20°C - 45°C)</small>

*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.

High Color Quality (72)

CCT	Multiplier <small>(reference - 3000K)</small>	TM-30			
		CRI	R _f	R _g	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 <small>(reference - 3000K)</small>	TM-30			
		CRI	R _f	R _g	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

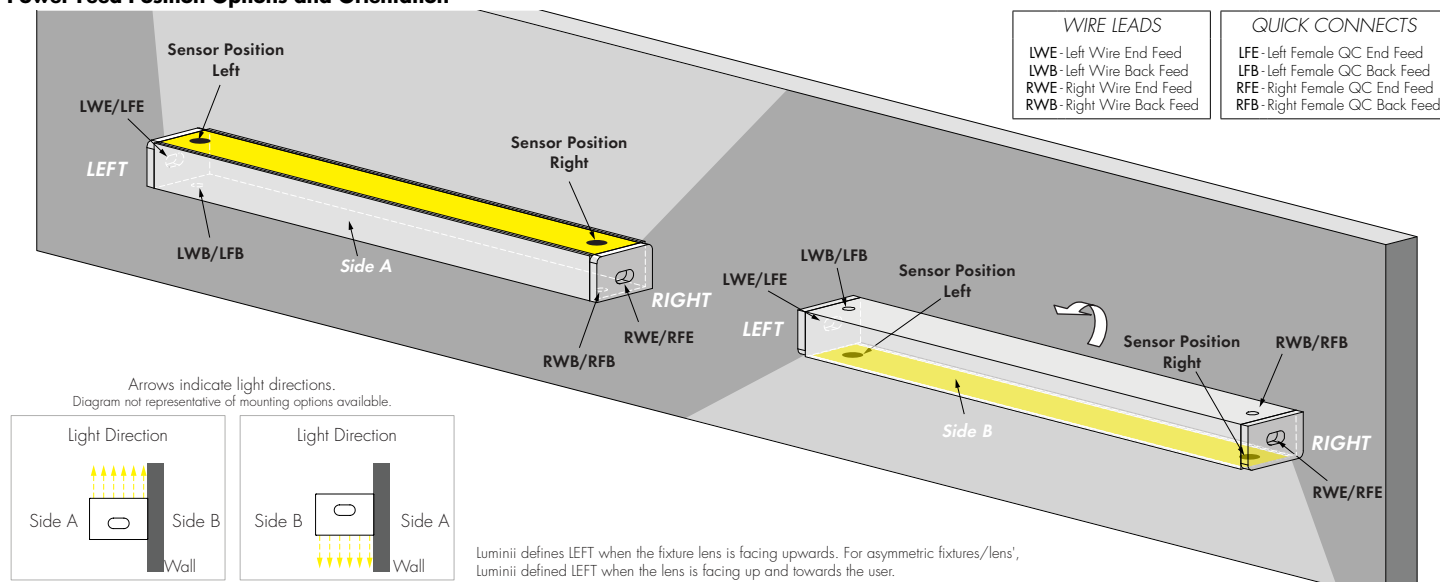
Ordering Code

MODEL	LENGTH ¹	OUTPUT ²	CCT	LENS	MOUNTING	FINISH ³	FEED POSITION LEFT	FEED POSITION RIGHT	SENSOR LOCATION	SENSORS ⁵
K45M-Kendo 45M with Sensor	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	RF-Round Frosted	CB-Concealed Bracket	BASE SA-Silver Anodized	WIRE LEADS (72") LWE-Wire End Feed LWB-Wire Back Feed	WIRE LEADS (72") RNPF-No Power Feed RWE-Wire End Feed RWB-Wire Back Feed	L-Left	MN010-PIR Integral Motion Sensor; 10 seconds delay MN020-PIR Integral Motion Sensor; 20 seconds delay MN030-PIR Integral Motion Sensor; 30 seconds delay MN045-PIR Integral Motion Sensor; 45 seconds delay MN090-PIR Integral Motion Sensor; 90 seconds delay MN0120-PIR Integral Motion Sensor; 120 seconds delay
			HE48LO-Low HE48SO-Standard HE48MO-Medium HE48HO-High HE64VHO-Very High			22K-2200K 25K-2500K 27K-2700K 30K-3000K 35K-3500K 40K-4000K	POWDER COAT BK-Black BZ-Bronze WH-White	QUICK CONNECTS (4") LFE-Female Q/C, End Feed LFB-Female Q/C, Back Feed	QUICK CONNECTS (4") RNPF-No Power Feed RFE-Female Q/C, End Feed RFB-Female Q/C, Back Feed	R-Right
	12" - 144" 2" increments					PREMIUM MBK-Matte Black WN-Warm Nickel AB-Aged Brass PG-Polished Gold ⁴ CH-Chrome ⁴				

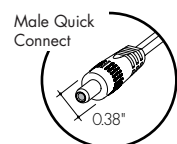
1 - Custom lengths and increments are available, please consult Inside Sales with specific request.
 2 - All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.
 3 - Non Base finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.
 4 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".
 5 - IR1, IR2, IR3 only available with Quick Connect Feed options.

Powerfeeds and Connectors

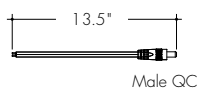
Power Feed Position Options and Orientation



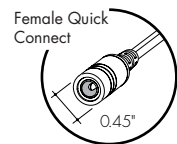
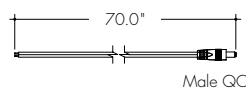
Linking and Extension Cable Options



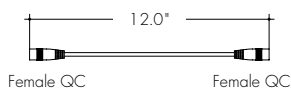
LMC-12
 Male quick-connect, 2 pin, 12"



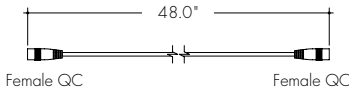
LMC-70
 Male quick-connect long, 2 pin, 70"



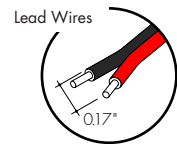
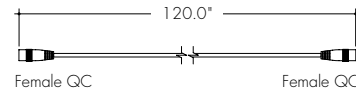
EC-12
 Female to Female Extension Cable, 2 pin, 12"



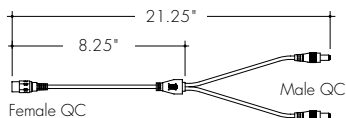
EC-48
 Female to Female Extension Cable, 2 pin, 48"



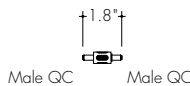
EC-120
 Female to Female Extension Cable, 2 pin, 120"



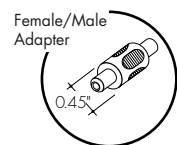
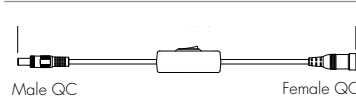
LYC
 1 Female to 2 Male Splitter Cable, 2 pin, 12"



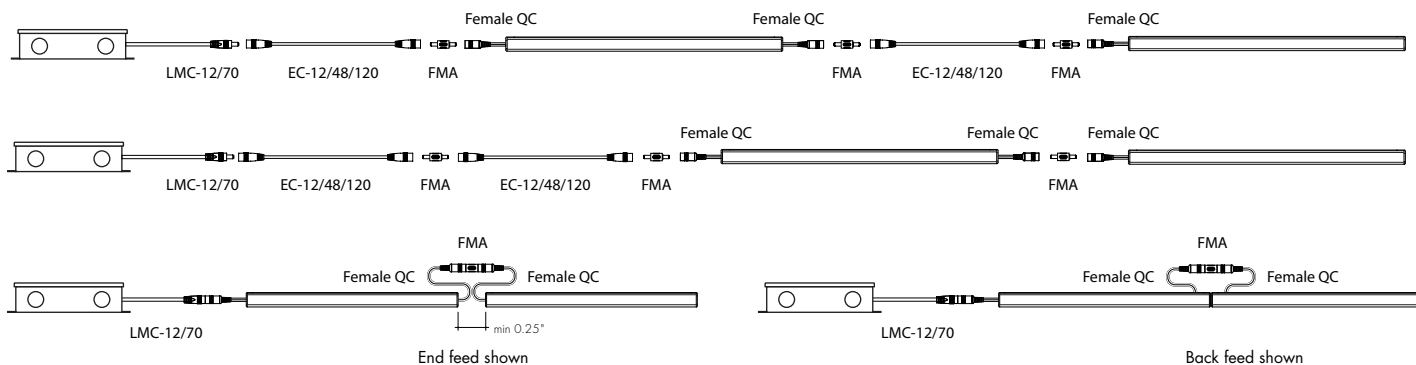
FMA
 Female to male adapter



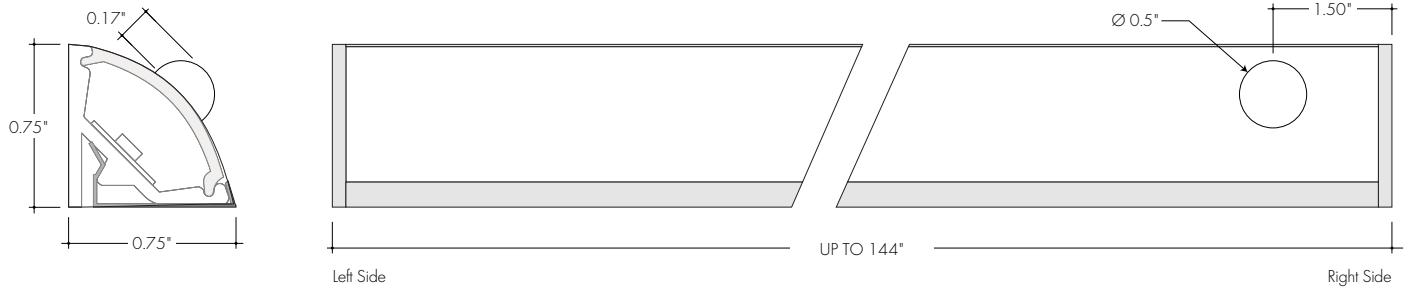
IS-DC
 Male to Female Inline DC Switch, 2 pin, 12"



Sample Layout



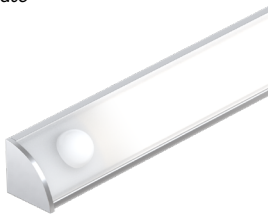
Product Dimensions



Finish Options

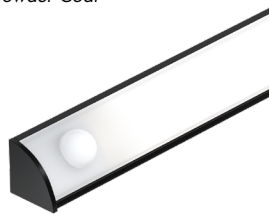
- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Base finishes may have extended lead times and price adder.
- Polished Gold and Chrome finishes have a maximum fixture length of 96".
- Custom RALs are available, please consult Inside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

Silver Anodized Base



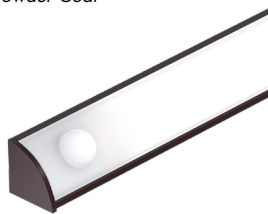
Silver Anodized is a soft silver with a clear finish.

Black Powder Coat



Black is a true deep black with a glossy finish.

Bronze Powder Coat



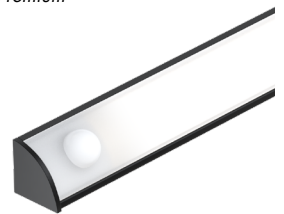
Bronze is a rich, dark brown with a satin finish.

White Powder Coat



White is a polar bright white and field paintable.

Matte Black Premium



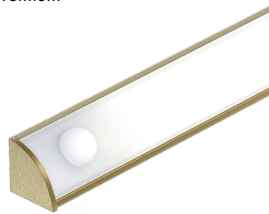
Matte Black is a dark, pitch-black with a soft flat finish.

Warm Nickel Premium



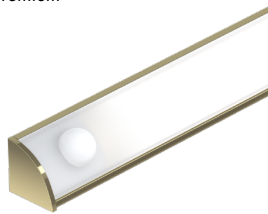
Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

Aged Brass Premium



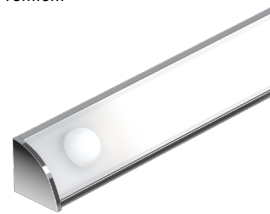
Aged Brass is a deep brown shade with slightly golden undertones.

Polished Gold Premium



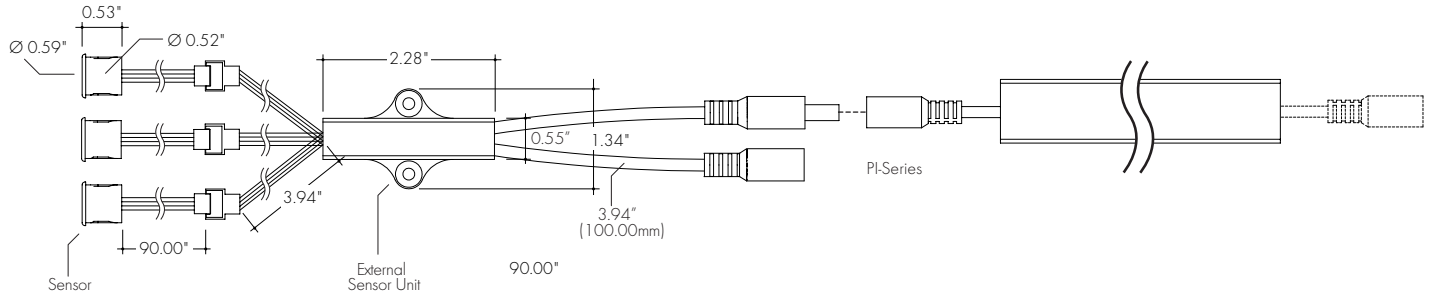
Polished Gold is bright and radiant for a brilliant finish.

Chrome Premium

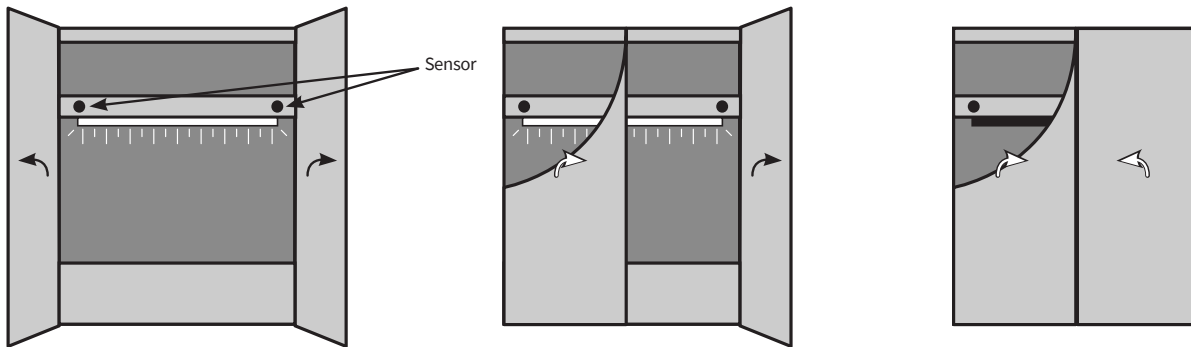


Chrome is a highly reflective silver polish.

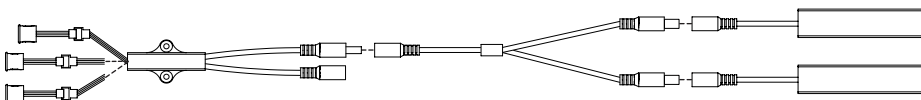
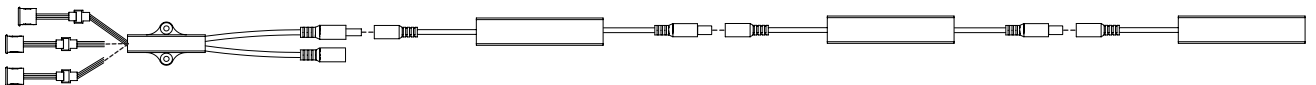
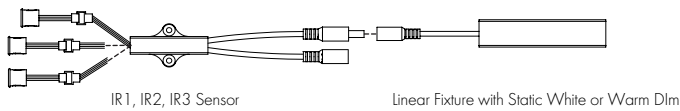
Dimensions (Near IR Remote Sensor)



Functionality (External Door Sensor)

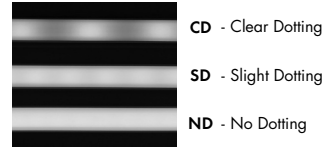


Wiring Diagrams (Near IR Remote Door Sensor)



Light Transmission and Dotting

Output Options	Lens/Accessory			
	Round Frosted			
Dimming Level	100%	50%	10%	1%
72SO	ND	ND	ND	ND
72HO	ND	ND	ND	ND
72VHO	ND	ND	ND	ND
HE48LO	ND	ND	ND	ND
HE48SO	ND	ND	ND	ND
HE48MO	ND	ND	ND	ND
HE48HO	ND	ND	ND	ND
HE64VHO	ND	ND	ND	ND
Transmission Percentage	100%			



Photometry

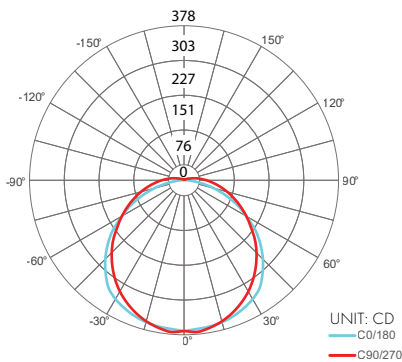
K45MRS-48-72VHO-30K-RF

Kendo 45MR with Sensor, 4ft, VHO, 3000K, Round Frosted Lens

Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	298	22.9%
0-40	496	38.1%
0-60	907	69.7%
0-90	1243	95.4%
Total 0-180	1302	100%

Total



Power Consumption

Tested at Full Power with PS-UNI 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 consult Inside Sales with specific request.

High Color Quality (72)

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

Power Consumption

Tested at Full Power with PS-UNI 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 consult Inside Sales with specific request.

High Efficacy (HE48)

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

Power Consumption

Tested at Full Power with PS-UNI 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 consult Inside Sales with specific request.

High Efficacy (HE64)

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

Voltage Drop Calculator

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

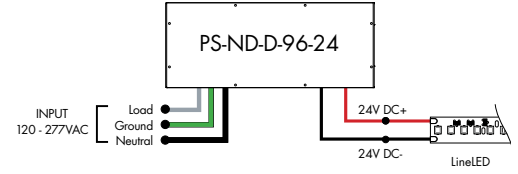
Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
10	544.1	342.2	215.1	135.3	85.1	53.5	33.7
15	362.7	228.1	143.4	90.2	56.7	35.7	22.4
20	272.0	171.1	107.6	67.7	42.6	26.8	16.8
25	217.6	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 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

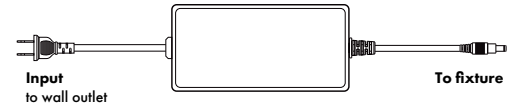
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	ND - Non Dimming	D - Dry	96-96 Watts	24 - 24 VDC



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

Plug In Power Supply

MODEL	POWER	OUTPUT
PI - Plug In Series	130 - 130 Watt 160 - 160 Watt 196 - 196 Watt	24 - 24 VDC



MODELS	130	160	196
Length	3.73"	4.48"	6.00"
Width	1.83"	2.00"	2.35"
Depth	1.25"	1.22"	1.46"