



#### **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)
- 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
- 5 Year warranty



### Finish Options (see page 2 for additional information)

Silver Anodized Black

Bronze

White Matte Black Warm Nickel













#### **Technical Information**

MODEL	н	igh Color Qual	ity		High I	fficacy		High Efficacy
OUTPUT OPTIONS	7250	72HO	72VHO	HE48LO	HE48SO	HE48MO	HE48HO	HE64VHO
Lumens Output (3000K) (with a Frosted Lens)	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 (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	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 (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]		50°C [122°F]

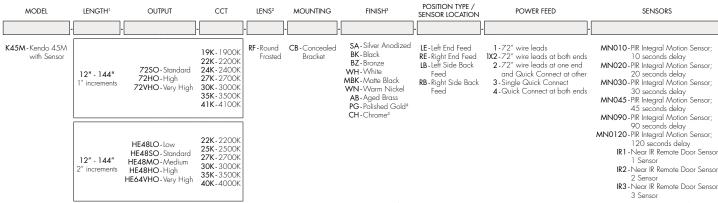
<sup>\*</sup>Max Ambient Temperature to maintain L70 of 50k+ hours. Exceeding Max Ambient Temperature may result in decreased life/output. Consult Technical Support for specific inquiries

#### High Color Quality (72) TM-30 Multiplier CCT Rg (reference - 3000K) CRI Rf Rg 1900K 0.55 96 94 97 90 2200K 0.70 96 95 101 0.72 98 97 91 2400K 101 2700K 0.74 97 101 91 97 3000K 1.00 95 104 97 3500K 1.02 97 94 105 97 4100K 1.07 97 90 97

High Efficacy (HE48/HE64	I)

сст	Multiplier		TM	-30	
	(reference - 3000K)	CRI	Rf	$R_g$	R9
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

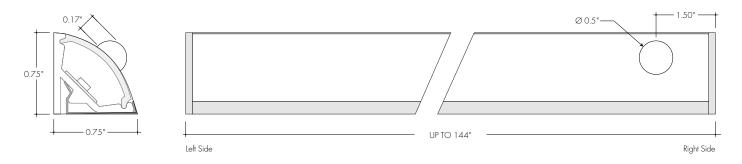


Custom lengths and increments are available, please consult Inside Sales with specific request.
All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and lens selections. See multiplier charts to calculate specific efficacies

- Non SA finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request - Polished Gold finishes have a maximum fixture length of 48", and Chrome finishes have a maximum fixture length of 72°.



#### **Product Dimensions**



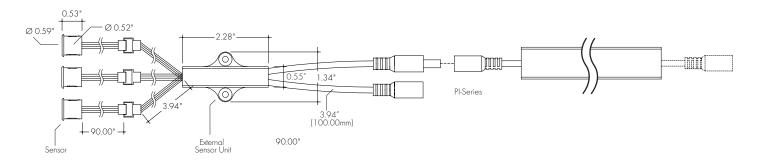
#### **Finish Options**

- 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.
- Polished Gold finishes have a maximum fixture length of 48", and Chrome finishes have a maximum fixture length of 72".
- Custom RALs are available, please consult Inside Sales with specific request.

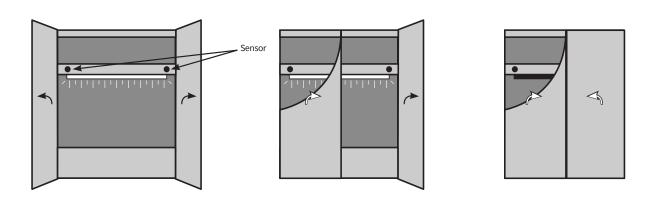




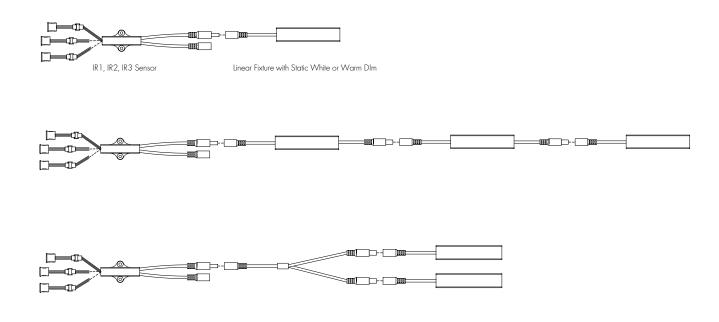
#### **Dimensions (Near IR Remote Sensor)**



### **Functionality (External Door Sensor)**



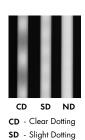
### Wiring Diagrams (Near IR Remote Door Sensor)





### **Light Transmission and Dotting**

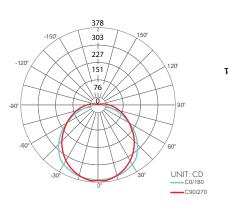
	Lens/Accessory
Output Options	Round Frosted
72SO	ND
72HO	ND
72VHO	ND
HE48LO	ND
HE48SO	ND
HE48MO	ND
HE48HO	ND
HE64VHO	ND
Transmission Percentage	100%

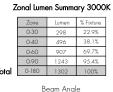


ND - No Dotting

#### **Photometry**

 $\frac{\text{K45M-48-30K-72VHO-RF}}{\text{Kendo M, 4ft, 3000K, VHO, Round Frosted Lens}}$ 





otal	0-180	1302	100%
	В	eam Angl	e
		120°	

## Kendo 45M Round with Sensor - Static White

# Linear Illumination System



#### **Power Consumption**

Tested at Full Power with PDC 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	Side and End Feed		Watts		Nominal	Side and End Feed		Watts		Nominal	Side and End Feed		Watts		Nominal	Side and End Feed		Watts	
Length (in)	Actual Length	so	НО	VHO	Length (in)	Actual Length	so	НО	VHO	Length (in)	Actual Length	so	НО	VHO	Length (in)	Actual Length	SO	НО	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	1 <i>7</i> .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	1	-	-	-	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. <i>7</i>	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	<i>7</i> .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	1 <i>7</i> .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	-	_	-	_					

## Kendo 45M Round with Sensor - Static White

# Linear Illumination System



#### **Power Consumption**

Tested at Full Power with PDC 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	Side and End Feed		W	atts		Nominal	Side and End Feed		W	atts		Nominal	Side and End Feed		W	atts		Nominal	Side and End Feed		W	atts	
Length (in)	Actual Length	LO	so	МО	но	Length (in)	Actual Length	lО	so	МО	НО	Length (in)	Actual Length	lО	so	МО	но	Length (in)	Actual Length	LO	so	МО	НО
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	117	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	<i>7</i> .1	11.2	13.9	25.4	85	-	-	-	-	_	120	-	1	-	-	
16	-	_	_	_	_	51	-	_	_	-	_	86	85 4/16	12.8	20.3	24.5	43.1	121	120 11/16	1 <i>7</i> .8	28.1	34.9	59.6
1 <i>7</i>	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	-	-	7.0	-	-	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	140 (/1/	10.0	-	-	71.0
36	36 1/16	5.4	7.7	9.6	19.5	71 72	71 8/16	10.7	17.0	20.3	36.7	106	106 15/16	15.8	25.0	30.7	53.2	141	140 6/16	19.8	32.8	40.6	71.8
38	-	J.4 —	-	7.0	17.5	73	-	-	-	20.3	-	108	-	15.0	25.0	-	-	143	142 6/16				72.3
39	38	5.7	8.2		20.6	74	73 7/16		17.4	20.8		109	108 14/16	16 1	25.5		54.2	144	-	_	_	-	-
40	40	6.0	8.7		21.5	75	_	_	_	_	_	110	_	_	_	_	_						
41	_	_	_	_	_	76	75 7/16		17.9			111	110 14/16				55.2						
42	41 15/16	6.2	9.2	11.4		77	-	-	_	_	-	112	-	_	_	-	-						
43	_	_	_	-	_	78	77 6/16	11.6		22.0		113	112 13/16		26.4		56.1						
44	43 15/16	6.4	9.7		23.1	79	_	_	_	_	_	114	_	_	_	_	_						
45	_	_	_	_	_	80	79 6/16		18.9	22.7		115	114 13/16		26.8	33.1							
46	45 14/16	6.7		12.6	23.9	81	_	_	_	_	-	116	_	_	_	_	_						



#### **Power Consumption**

Tested at Full Power with PDC 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)	Side and End Feed Actual	Watts	Nominal Length (in)	Side and End Feed Actual	Watts	Nominal Length (in)	Side and End Feed Actual	Watts	Nominal Length (in)	Side and End Feed Actual	Watts
Lengin (iii)	Length	VHO	Lengin (iii)	Length	VHO	Lengin (in)	Length	VHO	Lengin (in)	Length	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. <i>7</i>
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	-	_			1
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	_	_	-		

# Linear Illumination System



### **Voltage Drop Calculator**

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

Wattage		Maxi	mum Wire Lengtl	h From Power Su	pply to Start of R	un [ft]	
[W]	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

# Kendo 45M Round with Sensor - Static White

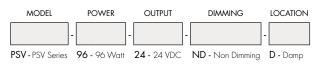
# Linear Illumination System



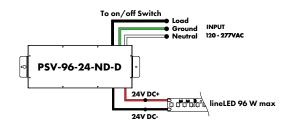
#### **Power Supplies**

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



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



#### **Plug In Power Supply**



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"

