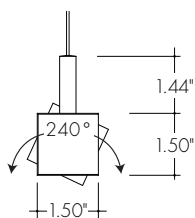




**Features**

- Extruded aluminum linear suspension fixture utilizing double rows of LEDs with Power Over Aircraft cable.
- Includes 8' silver adjustable cable and two white finish canopies
- Requires two junction boxes for split output connection
- 24VDC Class 2 fixtures made to order up to 120"
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors.
- Warm Dim follows the incandescent dimming curve and is compatible with MLV, ELV, and Incandescent dimmers.
- 5 Year warranty



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

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



**Technical Information**

<b>TYPE</b>	<b>Warm Dim</b>
<b>OUTPUT OPTIONS</b>	<b>WD68SO (19K-27K)</b>
<b>Lumens Output (all channels full on)</b> <small>(with a Frosted Lens)</small>	522 lm/ft
<b>Average Power Consumption</b> <small>(for a 4' section)</small>	10.8 W/ft
<b>Efficacy</b>	48 lm/W
<b>Max Run Length</b> <small>(in series)</small>	10 ft
<b>Control/Dimming Protocol</b>	50°C [122°F]
<b>Max Ambient Temperature*</b>	MLV, ELV, Inc.

Warm Dim (WD68)				
CCT	TM-30			
	CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
1900K	96	92	96	94
2400K	97	96	103	98
2700K	96	93	106	95

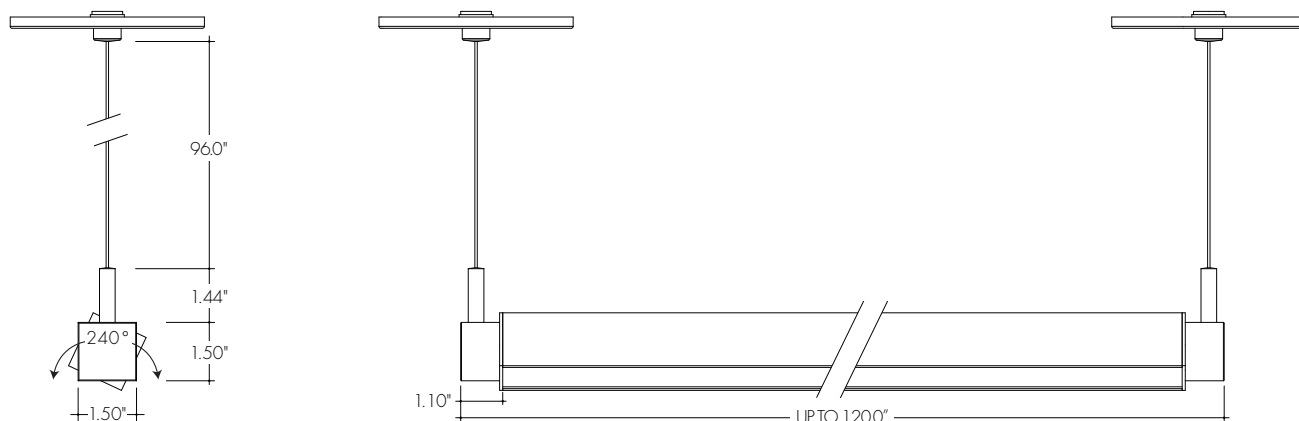
\*Max Ambient Temperature to maintain L70 of 50k+ hours. Exceeding Max Ambient Temperature may result in decreased life/output. Consult Technical Support for specific inquiries.

**Ordering Code**

MODEL	LENGTH <sup>1</sup>	OUTPUT	CCT	LENS	ENDCAP	LIGHT DIRECTION	FINISH <sup>2, 3</sup>
KILOS-Kilo S Power Over Aircraft	12" - 120" 3" increments	WD68SO-Standard	19K27K - 1900K - 2700K	F-Frosted C-Clear	A-Adjustable	U-Up D-Down	SA-Silver Anodized BK-Black BZ-Bronze WH-White MBK-Matte Black WN-Warm Nickel AB-Aged Brass PG-Polished Gold <sup>4</sup> CH-Chrome <sup>4</sup>

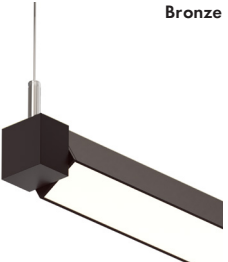


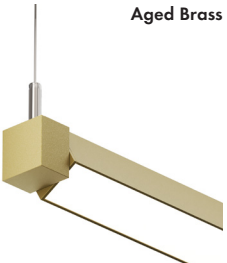
1 - Custom lengths and increments are available, please consult factory with specific request.  
 2 - Non SA finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.  
 3 - White canopy included with all finishes except Black and Matte Black, which include a Black canopy.  
 4 - 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.

<p><b>Silver Anodized</b></p>  <p>Silver Anodized is a soft silver with a clear finish.</p>	<p><b>Black</b></p>  <p>Black is a true deep black with a glossy finish.</p>	<p><b>Bronze</b></p>  <p>Bronze is a rich, dark brown with a satin finish.</p>	<p><b>White</b></p>  <p>White is a polar bright white and field paintable.</p>	<p><b>Matte Black</b></p>  <p>Matte Black is a dark, pitch-black with a soft flat finish.</p>
<p><b>Warm Nickel</b></p>  <p>Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.</p>	<p><b>Aged Brass</b></p>  <p>Aged Brass is a deep brown shade with slightly golden undertones.</p>	<p><b>Polished Gold</b></p>  <p>Polished Gold is bright and radiant for a brilliant finish.</p>	<p><b>Chrome</b></p>  <p>Chrome is a highly reflective silver polish.</p>	

**Lens Option / Light Transmission**

Output Options	Lens/Accessory	
	Clear	Frosted
WD68SO - 27K	CD	ND
WD68SO - 19K	CD	ND
<b>Transmission Percentage</b>	114%	100%



**CD** - Clear Dotting

**SD** - Slight Dotting

**ND** - No Dotting

**Power Consumption**

Tested at Full Power with PDC 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	Nominal Length (in)	Actual Length	Watts
		SO			SO			SO			SO
12	11 13/16	9.2	47	46 5/16	39.9	82	-	-	117	-	-
13	-	-	48	-	-	83	-	-	118	117 10/16	95.0
14	-	-	49	48 12/16	42.1	84	83 3/16	69.5	119	-	-
15	14 5/16	11.6	50	-	-	85	-	-	120	-	-
16	-	-	51	-	-	86	85 11/16	71.4	121	-	-
17	16 12/16	13.8	52	51 3/16	44.0	87	-	-	122	-	-
18	-	-	53	-	-	88	-	-	123	-	-
19	-	-	54	53 11/16	45.9	89	88 2/16	73.4	124	-	-
20	19 4/16	16.0	55	-	-	90	-	-	125	-	-
21	-	-	56	-	-	91	90 9/16	75.3	126	-	-
22	21 11/16	18.2	57	56 2/16	48.1	92	-	-	127	-	-
23	-	-	58	-	-	93	-	-	128	-	-
24	-	-	59	58 10/16	50.3	94	93 1/16	77.2	129	-	-
25	24 2/16	20.3	60	-	-	95	-	-	130	-	-
26	-	-	61	-	-	96	95 8/16	79.1	131	-	-
27	26 10/16	22.5	62	61 1/16	52.2	97	-	-	132	-	-
28	-	-	63	-	-	98	97 15/16	81.0	133	-	-
29	-	-	64	63 8/16	54.1	99	-	-	134	-	-
30	29 1/16	24.7	65	-	-	100	-	-	135	-	-
31	-	-	66	66	56.1	101	100 7/16	82.7	136	-	-
32	31 8/16	26.9	67	-	-	102	-	-	137	-	-
33	-	-	68	-	-	103	102 14/16	84.4	138	-	-
34	34	29.0	69	68 7/16	58.0	104	-	-	139	-	-
35	-	-	70	-	-	105	-	-	140	-	-
36	-	-	71	70 14/16	59.9	106	105 6/16	86.1	141	-	-
37	36 7/16	31.2	72	-	-	107	-	-	142	-	-
38	-	-	73	-	-	108	107 13/16	87.8	143	-	-
39	38 15/16	33.4	74	73 6/16	61.8	109	-	-	144	-	-
40	-	-	75	-	-	110	-	-	-	-	-
41	-	-	76	75 13/16	64.0	111	110 4/16	89.7	-	-	-
42	41 6/16	35.6	77	-	-	112	-	-	-	-	-
43	-	-	78	-	-	113	112 12/16	91.6	-	-	-
44	43 13/16	37.7	79	78 4/16	66.1	114	-	-	-	-	-
45	-	-	80	-	-	115	-	-	-	-	-
46	-	-	81	80 12/16	67.8	116	115 3/16	93.3	-	-	-

**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
<b>5</b>	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
<b>10</b>	544.1	342.2	215.1	135.3	85.1	53.5	33.7
<b>15</b>	362.7	228.1	143.4	90.2	56.7	35.7	22.4
<b>20</b>	272.0	171.1	107.6	67.7	42.6	26.8	16.8
<b>25</b>	217.6	136.9	86.1	54.1	34.0	21.4	13.5
<b>30</b>	181.4	114.1	71.7	45.1	28.4	17.8	11.2
<b>35</b>	155.5	97.8	61.5	38.7	24.3	15.3	9.6
<b>40</b>	136.0	85.5	53.8	33.8	21.3	13.4	8.4
<b>45</b>	120.9	76.0	47.8	30.1	18.9	11.9	7.5
<b>50</b>	108.8	68.4	43.0	27.1	17.0	10.7	6.7
<b>55</b>	98.9	62.2	39.1	24.6	15.5	9.7	6.1
<b>60</b>	90.7	57.0	35.9	22.6	14.2	8.9	5.6
<b>65</b>	83.7	52.6	33.1	20.8	13.1	8.2	5.2
<b>70</b>	77.7	48.9	30.7	19.3	12.2	7.6	4.8
<b>75</b>	72.5	45.6	28.7	18.0	11.3	7.1	4.5
<b>80</b>	68.0	42.8	26.9	16.9	10.6	6.7	4.2
<b>85</b>	64.0	40.3	25.3	15.9	10.0	6.3	4.0
<b>90</b>	60.5	38.0	23.9	15.0	9.5	5.9	3.7
<b>96</b>	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

#### Triac, MLV, & ELV Compatible Dimmers

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

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

