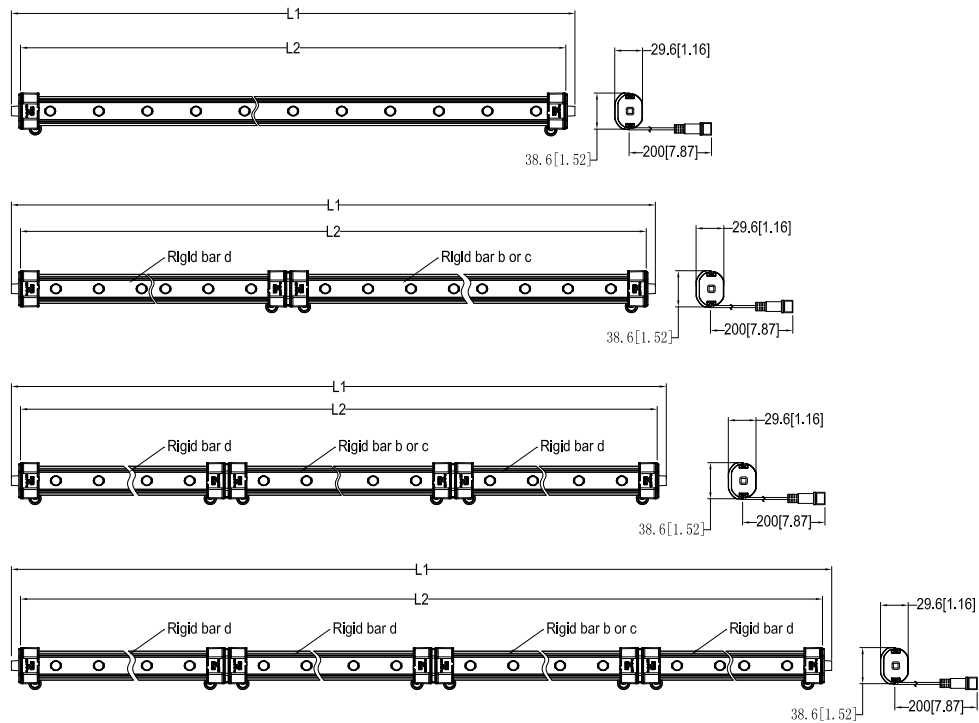


## Light Bar Dimensions



**All components needed to assemble your fluorescent replacement length are included in the box. Pick the size you want and you'll receive everything you need to assemble the bar.**

Item	LED Lamp Cross Reference	Components	Watts (w)	Watts/System	Lumens (lm)	Actual assembled size (in)
<b>HLB2-2S24</b>	F24HO	a	7.5	8.5	1100	21"
<b>EQUALIZER</b>		d	9	10.2	1300	23.9"
<b>HLB2-2S30</b>	F30HO	f	10.8	12.3	1550	27"
<b>HLB2-2S36</b>	F36HO	b	13.4	15.2	1940	33.1"
<b>HLB2-2S42</b>	F42HO	g	14.8	16.8	2150	39.1"
<b>HLB2-2S48</b>	F48HO	c	17.9	20.3	2600	45"
<b>HLB2-2S60</b>	F60HO	b + d	22.3	25.3	3200	57"
<b>HLB2-2S64</b>	F64HO	f + h	24.2	27.5	3500	61.1"
<b>HLB2-2S72</b>	F72HO	c + d	26.8	30.5	3900	69"
<b>HLB2-2S84</b>	F84HO	b + d + d	31.2	35.5	4500	81"
<b>HLB2-2S96</b>	F96HO	c + d + d	35.7	40.6	5170	93"
<b>HLB2-2S108</b>	F108HO	b + d + d + d	40.2	45.7	5800	105"
<b>HLB2-2S117</b>	F117HO	i + i + i	42.8	48.6	6200	114"
<b>HLB2-2S120</b>	F120HO	c + d + d + d	44.6	50.7	6450	117"

NOTE: a = 21.0625 inch; b = 33.0625 inch; c = 45.125 inch; d = 23.8125 inch; f = 27 inch; g = 39.1 inch; h = 34.1 inch; i = 37.9 inch

## Layout Guidelines

Double-sided light box depth (inch)	Item	Maximum space between bars (inch)	Illuminance ( lux ) - based on max spacing	Comments
9	Concorde Bar II by HanleyLED	10 - 12	2144-3618	Lightbox size: 47" x 67" Tested with 3/16" 7328 white acrylic
12		10-12	1340-2749	
18		12-15	857-1541	
24		12-19	670-1273	

## Power Supply Load Chart & Cascading (bars in a series) Information Guidelines

Item	Watts/Bar	Power Supplies (24v)			Cascading/Run Information
		60w H60W-PPS524V H60W-PPSEM24V	100w H100W-PPS524V H100W-PPSEM24V	150w H150W-PPS524V H150W-PPSEM24V	Max Series Wired
		<b>Max Number of Concorde Bars Per Power Supply</b>			
<b>HLB2-2S24 (F24H0)</b>	7.5w	8	13	20	5
<b>HLB2-2S30 (F30H0)</b>	10.8w	5	9	13	4
<b>HLB2-2S36 (F36H0)</b>	13.4w	4	7	11	4
<b>HLB2-2S42 (F42H0)</b>	14.8w	3	6	9	4
<b>HLB2-2S48 (F48H0)</b>	17.9w	3	5	8	3
<b>HLB2-2S60 (F60H0)</b>	22.3w	2	4	6	2
<b>HLB2-2S64 (F64H0)</b>	24.2w	2	4	6	2
<b>HLB2-2S72 (F72H0)</b>	26.8w	2	3	5	2
<b>HLB2-2S84 (F84H0)</b>	31.2w	1	3	4	1
<b>HLB2-2S96 (F96H0)</b>	35.7w	1	2	4	1
<b>HLB2-2S108 (F108H0)</b>	40.2w	1	2	3	1
<b>HLB2-2S117 (F117H0)</b>	42.8w	1	2	3	1
<b>HLB2-2S120 (F120H0)</b>	44.6w	1	1	3	1

## Power Supply Wire Gauge Chart

Wire Size	Maximum Distance	
	60W Power	100W Power
Gauge (AWG)	Feet	Feet
18	6.4	/
16	10.2	1.6
14	16.3	2.6
12	26.0	4
10	41.0	6.5

NOTE: Distance from power supply to load at full capacity.