



Panel Spacing Tables

SWISH® EDGE Family

Spacing Tables are to be used for quick reference ONLY. The tables provide average and minimum footcandle levels and avg:min uniformity ratios for the designated fixture spacing at a given height.

RAB does not recommend all of these configurations. Refer to IES recommended practice for specific Space Applications. For questions contact Lighting Design.

FIXTURE: SWISHFA-EDGE2X2-840U @ 19W

2,466 Lumens

		Spacing (ft)								
Height (ft)		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	87.1 FC	47.1 FC	25.3 FC	16.4 FC	14.8 FC	9.2 FC	8.6 FC	4.4 FC	4.3 FC
	min	52.5 FC	31.8 FC	16.5 FC	11 FC	11.1 FC	6.1 FC	6.5 FC	2.5 FC	2.8 FC
		1.7:1	1.5:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.8:1	1.5:1
18	avg	93.3 FC	50.2 FC	27 FC	17.5 FC	15.7 FC	9.8 FC	9.1 FC	4.7 FC	4.6 FC
	min	58.5 FC	33.9 FC	17.3 FC	11.5 FC	12.1 FC	6.8 FC	7.1 FC	2.5 FC	2.7 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.4:1	1.3:1	1.9:1	1.7:1
15	avg	102.4 FC	55.2 FC	29.7 FC	19.3 FC	17.2 FC	10.8 FC	10 FC	5.3 FC	5.1 FC
	min	61.8 FC	37.5 FC	18.8 FC	12.7 FC	14.2 FC	7.3 FC	8.6 FC	2.4 FC	2.9 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.2:1	1.5:1	1.2:1	2.2:1	1.8:1
12	avg	113.1 FC	60.9 FC	32.9 FC	21.4 FC	18.8 FC	12 FC	11 FC	5.8 FC	5.7 FC
	min	63.6 FC	40.5 FC	20.2 FC	13.8 FC	16.9 FC	8.5 FC	9.1 FC	2.1 FC	2.1 FC
		1.8:1	1.5:1	1.6:1	1.6:1	1.1:1	1.4:1	1.2:1	2.8:1	2.7:1
10	avg	120.8 FC	65 FC	35.3 FC	23 FC	20 FC	13 FC	11.9 FC	6.3 FC	6.2 FC
	min	68.4 FC	45.9 FC	21.8 FC	14.4 FC	16.7 FC	8.6 FC	8 FC	1.8 FC	2.4 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.5:1	1.5:1	3.5:1	2.6:1
8	avg	129.5 FC	69.7 FC	38 FC	24.8 FC	21.3 FC	14.1 FC	12.9 FC	6.7 FC	6.5 FC
	min	68.8 FC	58 FC	24 FC	14.9 FC	13.9 FC	8 FC	6.3 FC	1.2 FC	1.7 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.5:1	1.8:1	2.1:1	5.5:1	3.9:1

-Fixture Calculations in 40'x40' open room, 80/50/20 reflectances. Readings taken at 2'-6" AFF, CCT 4000K.

-Ratios show avg:min uniformity

-This information is current as of 9/1/2023.

-The Lighting Analysis provided by RAB Lighting Inc. ("RAB") represents an anticipated prediction of lighting system performance. RAB neither warranties, either implied or stated with regard to actual measured light levels as compared to those illustrated by the Spacing Table. RAB neither warranties, either implied or stated, nor represents the appropriateness, completeness or suitability of the lighting design intent as compliant with any applicable regulatory code requirements. The Spacing Table is issued, in whole or in part, as advisory documents for informational purposes and is not intended for construction nor as being part of a project's construction documentation package.

FIXTURE: SWISHFA-EDGE2X2-840U @ 29W 3,355 Lumens

Height (ft)		Spacing (ft)								
		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	118.4 FC	64.1 FC	34.4 FC	22.3 FC	20.2 FC	12.5 FC	11.6 FC	6 FC	5.9 FC
	min	71.4 FC	43.2 FC	22.4 FC	14.9 FC	15.2 FC	8.3 FC	8.9 FC	3.4 FC	3.7 FC
		1.7:1	1.5:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	126.9 FC	68.3 FC	36.7 FC	23.8 FC	21.3 FC	13.3 FC	12.4 FC	6.4 FC	6.2 FC
	min	79.6 FC	46.1 FC	23.5 FC	15.6 FC	16.5 FC	9.2 FC	9.7 FC	3.3 FC	3.7 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.5:1	1.3:1	1.9:1	1.7:1
15	avg	139.3 FC	75.1 FC	40.5 FC	26.2 FC	23.5 FC	14.7 FC	13.6 FC	7.2 FC	7 FC
	min	84.2 FC	50.9 FC	25.6 FC	17.2 FC	19.4 FC	10 FC	11.7 FC	3.2 FC	3.9 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.2:1	1.5:1	1.2:1	2.3:1	1.8:1
12	avg	153.9 FC	82.8 FC	44.8 FC	29.1 FC	25.5 FC	16.4 FC	15 FC	7.9 FC	7.7 FC
	min	86.5 FC	55 FC	27.6 FC	18.8 FC	22.9 FC	11.6 FC	12.4 FC	2.8 FC	2.9 FC
		1.8:1	1.5:1	1.6:1	1.6:1	1.1:1	1.4:1	1.2:1	2.8:1	2.7:1
10	avg	164.4 FC	88.4 FC	48 FC	31.3 FC	27.3 FC	17.7 FC	16.2 FC	8.6 FC	8.4 FC
	min	92.9 FC	62.4 FC	29.6 FC	19.6 FC	22.7 FC	11.6 FC	10.9 FC	2.4 FC	3.2 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.5:1	1.5:1	3.6:1	2.6:1
8	avg	176.2 FC	94.8 FC	51.7 FC	33.8 FC	28.9 FC	19.1 FC	17.6 FC	9 FC	8.9 FC
	min	93.7 FC	78.8 FC	32.7 FC	20.2 FC	18.8 FC	10.9 FC	8.5 FC	1.7 FC	2.3 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.5:1	1.8:1	2.1:1	5.3:1	3.9:1

FIXTURE: SWISHFA-EDGE2X2-840U @ 39W 4,240 Lumens

Height (ft)		Spacing (ft)								
		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	149.6 FC	80.9 FC	43.4 FC	28.2 FC	25.5 FC	15.7 FC	14.7 FC	7.6 FC	7.4 FC
	min	90.4 FC	54.5 FC	28.3 FC	18.8 FC	19.2 FC	10.5 FC	11.2 FC	4.2 FC	4.7 FC
		1.7:1	1.5:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	160.3 FC	86.3 FC	46.3 FC	30 FC	26.9 FC	16.8 FC	15.6 FC	8.1 FC	7.8 FC
	min	100.8 FC	58.1 FC	29.8 FC	19.7 FC	20.8 FC	11.6 FC	12.2 FC	4.2 FC	4.6 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.5:1	1.3:1	1.9:1	1.7:1
15	avg	176 FC	94.9 FC	51.1 FC	33.2 FC	29.6 FC	18.6 FC	17.2 FC	9.1 FC	8.8 FC
	min	106.5 FC	64.3 FC	32.3 FC	21.8 FC	24.4 FC	12.6 FC	14.7 FC	4.1 FC	4.9 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.2:1	1.5:1	1.2:1	2.2:1	1.8:1
12	avg	194.4 FC	104.6 FC	56.5 FC	36.7 FC	32.2 FC	20.7 FC	18.9 FC	10 FC	9.7 FC
	min	109.2 FC	69.5 FC	34.9 FC	23.7 FC	29 FC	14.6 FC	15.6 FC	3.6 FC	3.7 FC
		1.8:1	1.5:1	1.6:1	1.6:1	1.1:1	1.4:1	1.2:1	2.8:1	2.6:1
10	avg	207.7 FC	111.6 FC	60.6 FC	39.5 FC	34.4 FC	22.3 FC	20.4 FC	10.8 FC	10.6 FC
	min	117.2 FC	78.8 FC	37.5 FC	24.7 FC	28.7 FC	14.7 FC	13.8 FC	3 FC	4 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.5:1	1.5:1	3.6:1	2.7:1
8	avg	222.6 FC	119.8 FC	65.3 FC	42.7 FC	36.6 FC	24.2 FC	22.2 FC	11.4 FC	11.2 FC
	min	118.6 FC	99.4 FC	41.4 FC	25.5 FC	23.8 FC	13.8 FC	10.8 FC	2.1 FC	2.9 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.5:1	1.8:1	2.1:1	5.4:1	3.9:1

FIXTURE: SWISHFA-EDGE2X4-840U @ 29W 3,938 Lumens

		Spacing (ft)								
Height (ft)		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	133.1 FC	72.5 FC	39.4 FC	25.7 FC	23.3 FC	14.4 FC	13.5 FC	7 FC	6.8 FC
	min	81.4 FC	49.1 FC	25.9 FC	17.1 FC	17.6 FC	9.6 FC	10.2 FC	3.9 FC	4.4 FC
		1.6:1	1.5:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.8:1	1.5:1
18	avg	142.5 FC	77.5 FC	42 FC	27.4 FC	24.6 FC	15.4 FC	14.3 FC	7.5 FC	7.3 FC
	min	89.8 FC	52.4 FC	26.9 FC	18.2 FC	18.9 FC	10.7 FC	11.1 FC	3.9 FC	4.4 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.4:1	1.3:1	1.9:1	1.7:1
15	avg	156.9 FC	85 FC	46.4 FC	30.3 FC	27.1 FC	17 FC	15.8 FC	8.4 FC	8.1 FC
	min	95.2 FC	57.8 FC	29.1 FC	20 FC	22.2 FC	11.6 FC	13.4 FC	3.8 FC	4.6 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.2:1	1.5:1	1.2:1	2.2:1	1.8:1
12	avg	173.5 FC	94 FC	51.4 FC	33.6 FC	29.5 FC	18.9 FC	17.4 FC	9.3 FC	9 FC
	min	97.9 FC	62.5 FC	31.4 FC	21.8 FC	26.9 FC	13.3 FC	14.6 FC	3.3 FC	3.3 FC
		1.8:1	1.5:1	1.6:1	1.5:1	1.1:1	1.4:1	1.2:1	2.8:1	2.7:1
10	avg	185.6 FC	100.3 FC	55.1 FC	36.2 FC	31.5 FC	20.5 FC	18.7 FC	10 FC	9.8 FC
	min	102.9 FC	70.7 FC	33.8 FC	22.4 FC	26.9 FC	13.7 FC	13 FC	2.9 FC	3.8 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.5:1	1.4:1	3.4:1	2.6:1
8	avg	199 FC	107.7 FC	59.4 FC	39.1 FC	33.5 FC	22.2 FC	20.3 FC	10.6 FC	10.5 FC
	min	105.3 FC	87.5 FC	37.6 FC	23.9 FC	22.3 FC	12.8 FC	10.2 FC	1.9 FC	2.7 FC
		1.9:1	1.2:1	1.6:1	1.6:1	1.5:1	1.7:1	2:1	5.6:1	3.9:1

FIXTURE: SWISHFA-EDGE2X4-840U @ 39W 4,991 Lumens

		Spacing (ft)								
Height (ft)		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	168.5 FC	91.9 FC	49.9 FC	32.5 FC	29.5 FC	18.3 FC	17.1 FC	8.8 FC	8.6 FC
	min	103.4 FC	62.1 FC	32.9 FC	21.7 FC	22.3 FC	12.2 FC	12.9 FC	5 FC	5.5 FC
		1.6:1	1.5:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	180.5 FC	98.1 FC	53.3 FC	34.7 FC	31.2 FC	19.5 FC	18.1 FC	9.5 FC	9.2 FC
	min	114 FC	66.2 FC	34.2 FC	22.9 FC	23.9 FC	13.5 FC	14 FC	5 FC	5.5 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.4:1	1.3:1	1.9:1	1.7:1
15	avg	198.7 FC	107.7 FC	58.8 FC	38.4 FC	34.3 FC	21.6 FC	19.9 FC	10.6 FC	10.3 FC
	min	120.9 FC	73 FC	37.1 FC	25.4 FC	28.1 FC	14.7 FC	17 FC	4.8 FC	5.8 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.2:1	1.5:1	1.2:1	2.2:1	1.8:1
12	avg	219.8 FC	119 FC	65.2 FC	42.6 FC	37.4 FC	24 FC	22 FC	11.7 FC	11.4 FC
	min	123.9 FC	78.9 FC	39.8 FC	27.6 FC	34 FC	16.9 FC	18.5 FC	4.2 FC	4.2 FC
		1.8:1	1.5:1	1.6:1	1.5:1	1.1:1	1.4:1	1.2:1	2.8:1	2.7:1
10	avg	235.1 FC	127 FC	69.8 FC	45.8 FC	39.9 FC	25.9 FC	23.7 FC	12.7 FC	12.4 FC
	min	130.7 FC	89.4 FC	42.9 FC	28.4 FC	34.1 FC	17.3 FC	16.5 FC	3.6 FC	4.8 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.5:1	1.4:1	3.5:1	2.6:1
8	avg	252.1 FC	136.4 FC	75.3 FC	49.6 FC	42.4 FC	28.1 FC	25.8 FC	13.4 FC	13.2 FC
	min	133.8 FC	110.7 FC	47.8 FC	30.1 FC	28.3 FC	16.3 FC	12.9 FC	2.4 FC	3.5 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.5:1	1.7:1	2:1	5.6:1	3.8:1

FIXTURE: SWISHFA-EDGE2X4-840U @ 49W 6,016 Lumens

Height (ft)		Spacing (ft)								
		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	203.1 FC	110.7 FC	60.2 FC	39.2 FC	35.5 FC	22 FC	20.6 FC	10.7 FC	10.4 FC
	min	124.6 FC	74.8 FC	39.7 FC	26.2 FC	26.8 FC	14.7 FC	15.5 FC	6 FC	6.7 FC
		1.6:1	1.5:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	217.6 FC	118.2 FC	64.2 FC	41.9 FC	37.5 FC	23.5 FC	21.8 FC	11.4 FC	11.1 FC
	min	137.6 FC	79.8 FC	41.2 FC	27.6 FC	28.8 FC	16.3 FC	16.9 FC	6 FC	6.6 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.4:1	1.3:1	1.9:1	1.7:1
15	avg	239.5 FC	129.8 FC	70.9 FC	46.2 FC	41.4 FC	26 FC	24 FC	12.8 FC	12.4 FC
	min	145.9 FC	87.9 FC	44.7 FC	30.6 FC	33.8 FC	17.7 FC	20.4 FC	5.8 FC	7 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.2:1	1.5:1	1.2:1	2.2:1	1.8:1
12	avg	264.9 FC	143.4 FC	78.5 FC	51.3 FC	45 FC	28.9 FC	26.5 FC	14.1 FC	13.7 FC
	min	149.3 FC	95 FC	48.1 FC	33.2 FC	41 FC	20.4 FC	22.3 FC	5 FC	5.1 FC
		1.8:1	1.5:1	1.6:1	1.6:1	1.1:1	1.4:1	1.2:1	2.8:1	2.7:1
10	avg	283.4 FC	153 FC	84.1 FC	55.3 FC	48.1 FC	31.2 FC	28.6 FC	15.3 FC	14.9 FC
	min	157.7 FC	107.5 FC	51.8 FC	34.3 FC	41.1 FC	20.8 FC	19.9 FC	4.4 FC	5.8 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.5:1	1.4:1	3.5:1	2.6:1
8	avg	303.8 FC	164.4 FC	90.7 FC	59.8 FC	51.1 FC	33.9 FC	31 FC	16.2 FC	16 FC
	min	161.4 FC	133.2 FC	57.6 FC	36.3 FC	34.1 FC	19.6 FC	15.6 FC	2.9 FC	4.2 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.5:1	1.7:1	2:1	5.6:1	3.8:1