



# Panel Spacing Tables

## SWISH® FA 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: SWISHFA2X2/D10 @ 19W

2,432 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	92.2 FC	49.8 FC	26.8 FC	17.4 FC	15.7 FC	9.7 FC	9.1 FC	4.7 FC	4.6 FC
	min	53.9 FC	33.3 FC	17 FC	11.5 FC	11.7 FC	6.6 FC	7.1 FC	2.6 FC	2.9 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.3:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	98.5 FC	53.2 FC	28.5 FC	18.5 FC	16.6 FC	10.4 FC	9.6 FC	5 FC	4.9 FC
	min	59.9 FC	35.7 FC	17.8 FC	12.1 FC	12.9 FC	7.3 FC	7.7 FC	2.6 FC	2.8 FC
		1.7:1	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	108 FC	58.1 FC	31.4 FC	20.4 FC	18.2 FC	11.4 FC	10.5 FC	5.6 FC	5.4 FC
	min	63.3 FC	38.8 FC	19.2 FC	13 FC	15.2 FC	7.9 FC	9.3 FC	2.5 FC	2.9 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.5:1	1.1:1	2.2:1	1.9:1
12	avg	119.2 FC	63.9 FC	34.7 FC	22.5 FC	19.7 FC	12.7 FC	11.6 FC	6.2 FC	6 FC
	min	66 FC	41.8 FC	20.7 FC	14.7 FC	18 FC	9.1 FC	9.2 FC	2.2 FC	2.2 FC
		1.8:1	1.5:1	1.7:1	1.5:1	1.1:1	1.4:1	1.3:1	2.8:1	2.7:1
10	avg	127 FC	68.1 FC	37.1 FC	24.2 FC	21 FC	13.7 FC	12.5 FC	6.6 FC	6.5 FC
	min	70.3 FC	48.6 FC	22.1 FC	15.2 FC	17 FC	9.1 FC	8 FC	1.8 FC	2.3 FC
		1.8:1	1.4:1	1.7:1	1.6:1	1.2:1	1.5:1	1.6:1	3.7:1	2.8:1
8	avg	136.1 FC	73.2 FC	40 FC	26.1 FC	22.4 FC	14.8 FC	13.6 FC	7 FC	6.9 FC
	min	70.7 FC	63.2 FC	24.3 FC	15.6 FC	13.9 FC	8 FC	6.2 FC	1.3 FC	1.6 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.9:1	2.2:1	5.4:1	4.3:1

-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: SWISHFA2X2/D10 @ 29W

3,677 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	141.6 FC	76.4 FC	41.2 FC	26.7 FC	24.1 FC	14.9 FC	13.9 FC	7.2 FC	7 FC
	min	82.9 FC	51.1 FC	26.1 FC	17.7 FC	17.9 FC	10.1 FC	10.8 FC	4 FC	4.4 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.4:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	151.4 FC	81.7 FC	43.9 FC	28.4 FC	25.4 FC	15.9 FC	14.8 FC	7.7 FC	7.5 FC
	min	92.3 FC	54.8 FC	27.4 FC	18.6 FC	19.8 FC	11.2 FC	11.8 FC	4 FC	4.3 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	165.9 FC	89.2 FC	48.3 FC	31.3 FC	27.9 FC	17.6 FC	16.2 FC	8.6 FC	8.3 FC
	min	97.5 FC	59.6 FC	29.6 FC	20 FC	23.4 FC	12.1 FC	14.3 FC	3.8 FC	4.5 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.5:1	1.1:1	2.3:1	1.9:1
12	avg	183.1 FC	98.2 FC	53.3 FC	34.6 FC	30.3 FC	19.5 FC	17.8 FC	9.5 FC	9.2 FC
	min	101.3 FC	64.3 FC	31.8 FC	22.6 FC	27.7 FC	14 FC	14.1 FC	3.3 FC	3.4 FC
		1.8:1	1.5:1	1.7:1	1.5:1	1.1:1	1.4:1	1.3:1	2.9:1	2.7:1
10	avg	195.2 FC	104.6 FC	57 FC	37.2 FC	32.3 FC	21 FC	19.3 FC	10.2 FC	10 FC
	min	108.2 FC	74.6 FC	34.1 FC	23.4 FC	26.2 FC	14 FC	12.4 FC	2.8 FC	3.6 FC
		1.8:1	1.4:1	1.7:1	1.6:1	1.2:1	1.5:1	1.6:1	3.6:1	2.8:1
8	avg	209.1 FC	112.5 FC	61.4 FC	40.1 FC	34.4 FC	22.7 FC	20.9 FC	10.7 FC	10.6 FC
	min	108.9 FC	96.9 FC	37.5 FC	23.9 FC	21.4 FC	12.3 FC	9.6 FC	1.9 FC	2.5 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.9:1	2.2:1	5.6:1	4.2:1

# FIXTURE: SWISHFA2X2/D10 @ 39W

4,463 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	175.9 FC	94.9 FC	51.2 FC	33.2 FC	29.9 FC	18.5 FC	17.3 FC	9 FC	8.7 FC
	min	103 FC	63.5 FC	32.4 FC	21.9 FC	22.3 FC	12.5 FC	13.5 FC	5 FC	5.5 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.3:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	188 FC	101.5 FC	54.5 FC	35.3 FC	31.6 FC	19.8 FC	18.3 FC	9.5 FC	9.3 FC
	min	114.7 FC	68.1 FC	34 FC	23.2 FC	24.6 FC	13.9 FC	14.6 FC	4.9 FC	5.3 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	1.8:1
15	avg	206.1 FC	110.8 FC	60 FC	38.9 FC	34.7 FC	21.8 FC	20.1 FC	10.7 FC	10.4 FC
	min	121.1 FC	74.1 FC	36.8 FC	24.9 FC	29.1 FC	15 FC	17.7 FC	4.7 FC	5.6 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.5:1	1.1:1	2.3:1	1.9:1
12	avg	227.4 FC	122 FC	66.2 FC	43 FC	37.7 FC	24.2 FC	22.2 FC	11.8 FC	11.4 FC
	min	125.9 FC	79.9 FC	39.5 FC	28.1 FC	34.3 FC	17.4 FC	17.5 FC	4.1 FC	4.3 FC
		1.8:1	1.5:1	1.7:1	1.5:1	1.1:1	1.4:1	1.3:1	2.9:1	2.7:1
10	avg	242.5 FC	130 FC	70.8 FC	46.2 FC	40.2 FC	26.1 FC	23.9 FC	12.6 FC	12.4 FC
	min	134.5 FC	92.7 FC	42.3 FC	29 FC	32.6 FC	17.4 FC	15.4 FC	3.5 FC	4.5 FC
		1.8:1	1.4:1	1.7:1	1.6:1	1.2:1	1.5:1	1.6:1	3.6:1	2.8:1
8	avg	259.8 FC	139.8 FC	76.3 FC	49.9 FC	42.7 FC	28.3 FC	26 FC	13.3 FC	13.1 FC
	min	135.4 FC	120.4 FC	46.5 FC	29.7 FC	26.5 FC	15.3 FC	11.9 FC	2.4 FC	3.1 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.9:1	2.2:1	5.6:1	4.2:1

# FIXTURE: SWISHFA2X4/D10 @ 29W

3,677 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	126 FC	68.5 FC	37.3 FC	24.3 FC	21.9 FC	13.7 FC	12.8 FC	6.6 FC	6.4 FC
	min	75.1 FC	45.9 FC	24.1 FC	16.3 FC	16.3 FC	9.3 FC	9.8 FC	3.7 FC	4.1 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.4:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	135 FC	73.2 FC	39.8 FC	25.9 FC	23.2 FC	14.6 FC	13.5 FC	7 FC	6.9 FC
	min	83.6 FC	49.1 FC	25.2 FC	17.1 FC	17.9 FC	10.2 FC	10.6 FC	3.7 FC	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	148.2 FC	80.1 FC	43.8 FC	28.6 FC	25.5 FC	16.1 FC	14.9 FC	7.9 FC	7.7 FC
	min	87.9 FC	53.5 FC	27.3 FC	18.5 FC	21.1 FC	11 FC	13 FC	3.6 FC	4.2 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.2:1	1.5:1	1.1:1	2.2:1	1.8:1
12	avg	163.7 FC	88.4 FC	48.4 FC	31.7 FC	27.7 FC	17.9 FC	16.4 FC	8.7 FC	8.5 FC
	min	90.6 FC	57.8 FC	29.4 FC	20.6 FC	24.9 FC	13 FC	13.2 FC	3.2 FC	3.3 FC
		1.8:1	1.5:1	1.7:1	1.5:1	1.1:1	1.4:1	1.2:1	2.7:1	2.6:1
10	avg	174.9 FC	94.2 FC	51.9 FC	34.1 FC	29.6 FC	19.3 FC	17.7 FC	9.4 FC	9.2 FC
	min	97.7 FC	66.9 FC	31.6 FC	21.8 FC	24.4 FC	12.9 FC	11.7 FC	2.7 FC	3.4 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	2.7:1
8	avg	187.4 FC	101.3 FC	56 FC	36.8 FC	31.5 FC	20.9 FC	19.2 FC	9.9 FC	9.8 FC
	min	97.4 FC	86 FC	34.9 FC	22.2 FC	20.3 FC	11.9 FC	9.2 FC	1.9 FC	2.5 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.8:1	2.1:1	5.2:1	3.9:1

# FIXTURE: SWISHFA2X4/D10 @ 39W

5,263 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	180.3 FC	98 FC	53.3 FC	34.8 FC	31.4 FC	19.6 FC	18.2 FC	9.5 FC	9.2 FC
	min	107.2 FC	65.5 FC	34.5 FC	23.3 FC	23.2 FC	13.4 FC	14 FC	5.3 FC	5.8 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.4:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	193.1 FC	104.7 FC	56.9 FC	37.1 FC	33.2 FC	20.8 FC	19.3 FC	10.1 FC	9.8 FC
	min	119.5 FC	70.2 FC	36.2 FC	24.4 FC	25.6 FC	14.5 FC	15.2 FC	5.4 FC	5.7 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	212.1 FC	114.6 FC	62.7 FC	40.9 FC	36.4 FC	23 FC	21.2 FC	11.3 FC	11 FC
	min	125.5 FC	76.4 FC	39.2 FC	26.4 FC	30.2 FC	15.7 FC	18.5 FC	5.1 FC	6 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.5:1	1.2:1	2.2:1	1.8:1
12	avg	234.2 FC	126.4 FC	69.3 FC	45.3 FC	39.7 FC	25.6 FC	23.5 FC	12.4 FC	12.1 FC
	min	129.5 FC	82.6 FC	42.2 FC	29.5 FC	35.6 FC	18.6 FC	19 FC	4.6 FC	4.7 FC
		1.8:1	1.5:1	1.6:1	1.5:1	1.1:1	1.4:1	1.2:1	2.7:1	2.6:1
10	avg	250.2 FC	134.8 FC	74.2 FC	48.7 FC	42.3 FC	27.6 FC	25.3 FC	13.4 FC	13.1 FC
	min	139.6 FC	95.6 FC	45.3 FC	31.3 FC	35 FC	18.4 FC	16.8 FC	3.8 FC	4.9 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	2.7:1
8	avg	268.1 FC	144.9 FC	80.1 FC	52.7 FC	45.1 FC	29.9 FC	27.5 FC	14.2 FC	14 FC
	min	139.6 FC	122.9 FC	49.9 FC	31.7 FC	29.1 FC	17.1 FC	13.1 FC	2.8 FC	3.6 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.8:1	2.1:1	5.1:1	3.9:1

# FIXTURE: SWISHFA2X4/D10 @ 49W

5,882 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
<b>20</b>	avg	201.5 FC	109.5 FC	59.6 FC	38.9 FC	35.1 FC	21.9 FC	20.4 FC	10.6 FC	10.3 FC
	min	119.8 FC	73.2 FC	38.6 FC	26 FC	26 FC	14.9 FC	15.7 FC	5.9 FC	6.5 FC
		1.7:1	1.5:1	1.5:1	1.5:1	1.4:1	1.5:1	1.3:1	1.8:1	1.6:1
<b>18</b>	avg	215.8 FC	117 FC	63.6 FC	41.4 FC	37.1 FC	23.3 FC	21.6 FC	11.3 FC	11 FC
	min	133.5 FC	78.4 FC	40.5 FC	27.3 FC	28.6 FC	16.2 FC	17 FC	6 FC	6.4 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
<b>15</b>	avg	237 FC	128.1 FC	70.1 FC	45.7 FC	40.7 FC	25.7 FC	23.8 FC	12.6 FC	12.2 FC
	min	140.3 FC	85.4 FC	43.8 FC	29.5 FC	33.7 FC	17.6 FC	20.7 FC	5.7 FC	6.7 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.5:1	1.2:1	2.2:1	1.8:1
<b>12</b>	avg	261.7 FC	141.3 FC	77.5 FC	50.6 FC	44.3 FC	28.6 FC	26.2 FC	13.9 FC	13.5 FC
	min	144.7 FC	92.3 FC	47.2 FC	32.9 FC	39.8 FC	20.8 FC	21.2 FC	5.1 FC	5.3 FC
		1.8:1	1.5:1	1.6:1	1.5:1	1.1:1	1.4:1	1.2:1	2.7:1	2.6:1
<b>10</b>	avg	279.7 FC	150.6 FC	83 FC	54.5 FC	47.3 FC	30.9 FC	28.2 FC	15 FC	14.7 FC
	min	155.9 FC	106.8 FC	50.7 FC	35 FC	39 FC	20.6 FC	18.8 FC	4.3 FC	5.5 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	2.7:1
<b>8</b>	avg	299.7 FC	162 FC	89.5 FC	58.9 FC	50.4 FC	33.5 FC	30.7 FC	15.9 FC	15.7 FC
	min	156 FC	137.4 FC	55.9 FC	35.5 FC	32.5 FC	19.1 FC	14.7 FC	3.1 FC	4 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.8:1	2.1:1	5.1:1	3.9:1