



# Panel Spacing Tables

## SWISH® ISLAND 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-ISLAND2X2 @ 19W

2,274 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	88.4 FC	47.7 FC	25.6 FC	16.6 FC	15 FC	9.3 FC	8.6 FC	4.5 FC	4.4 FC
	min	51.9 FC	31.8 FC	16.4 FC	11 FC	11.1 FC	6.2 FC	6.6 FC	2.4 FC	2.7 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.4:1	1.5:1	1.3:1	1.9:1	1.6:1
18	avg	94.4 FC	50.8 FC	27.3 FC	17.7 FC	15.8 FC	9.9 FC	9.2 FC	4.8 FC	4.6 FC
	min	57.6 FC	33.9 FC	17.3 FC	11.5 FC	12.2 FC	6.8 FC	7.2 FC	2.5 FC	2.7 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	103.4 FC	55.6 FC	30 FC	19.4 FC	17.3 FC	10.9 FC	10.1 FC	5.4 FC	5.2 FC
	min	60.3 FC	36.9 FC	18.6 FC	12.4 FC	14.4 FC	7.3 FC	8.7 FC	2.3 FC	2.8 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.5:1	1.2:1	2.3:1	1.9:1
12	avg	113.8 FC	61.1 FC	33.1 FC	21.5 FC	18.8 FC	12.1 FC	11 FC	5.9 FC	5.7 FC
	min	61.9 FC	39.7 FC	20 FC	13.7 FC	16.8 FC	8.6 FC	8.7 FC	2 FC	2.1 FC
		1.8:1	1.5:1	1.7:1	1.6:1	1.1:1	1.4:1	1.3:1	2.9:1	2.7:1
10	avg	121.3 FC	65 FC	35.4 FC	23.1 FC	20 FC	13 FC	11.9 FC	6.3 FC	6.2 FC
	min	67 FC	45.9 FC	21.6 FC	14.5 FC	16.2 FC	8.4 FC	7.6 FC	1.6 FC	2.2 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.6:1	1.6:1	3.9:1	2.8:1
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	6.6 FC
	min	67.7 FC	58.6 FC	23.8 FC	14.4 FC	13.2 FC	7.7 FC	5.8 FC	1.1 FC	1.6 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.8:1	2.2:1	6.1:1	4.1:1

-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-ISLAND2X2 @ 29W

3,446 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	129.6 FC	70 FC	37.6 FC	24.4 FC	22 FC	13.6 FC	12.7 FC	6.6 FC	6.4 FC
	min	76.1 FC	46.6 FC	24.1 FC	16.2 FC	16.3 FC	9.2 FC	9.7 FC	3.6 FC	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	138.4 FC	74.5 FC	40 FC	25.9 FC	23.2 FC	14.5 FC	13.4 FC	7 FC	6.8 FC
	min	84.5 FC	49.8 FC	25.4 FC	16.9 FC	17.9 FC	10 FC	10.5 FC	3.6 FC	3.9 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.5:1	1.3:1	2:1	1.7:1
15	avg	151.6 FC	81.6 FC	44 FC	28.5 FC	25.4 FC	16 FC	14.7 FC	7.9 FC	7.6 FC
	min	88.5 FC	54.1 FC	27.3 FC	18.1 FC	21.2 FC	10.8 FC	12.7 FC	3.3 FC	4 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.5:1	1.2:1	2.4:1	1.9:1
12	avg	166.9 FC	89.6 FC	48.5 FC	31.5 FC	27.6 FC	17.7 FC	16.2 FC	8.6 FC	8.4 FC
	min	90.8 FC	58.2 FC	29.4 FC	20.1 FC	24.7 FC	12.6 FC	12.8 FC	2.9 FC	3 FC
		1.8:1	1.5:1	1.7:1	1.6:1	1.1:1	1.4:1	1.3:1	3:1	2.8:1
10	avg	177.8 FC	95.4 FC	51.9 FC	33.8 FC	29.3 FC	19.1 FC	17.5 FC	9.3 FC	9.1 FC
	min	98.3 FC	67.3 FC	31.7 FC	21.3 FC	23.8 FC	12.3 FC	11.2 FC	2.3 FC	3.2 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.6:1	1.6:1	4:1	2.8:1
8	avg	190 FC	102.2 FC	55.7 FC	36.4 FC	31.2 FC	20.6 FC	19 FC	9.8 FC	9.6 FC
	min	99.3 FC	86 FC	34.9 FC	21.1 FC	19.3 FC	11.2 FC	8.5 FC	1.7 FC	2.3 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.8:1	2.2:1	5.7:1	4.2:1

# FIXTURE: SWISHFA-ISLAND2X2@ 39W

4,408 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	163.3 FC	88.2 FC	47.4 FC	30.7 FC	27.7 FC	17.1 FC	16 FC	8.3 FC	8.1 FC
	min	95.9 FC	58.7 FC	30.4 FC	20.4 FC	20.5 FC	11.6 FC	12.2 FC	4.5 FC	5 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.4:1	1.5:1	1.3:1	1.9:1	1.6:1
18	avg	174.5 FC	93.9 FC	50.4 FC	32.7 FC	29.2 FC	18.3 FC	16.9 FC	8.8 FC	8.6 FC
	min	106.5 FC	62.7 FC	32 FC	21.2 FC	22.6 FC	12.6 FC	13.3 FC	4.5 FC	4.9 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.5:1	1.3:1	2:1	1.8:1
15	avg	191.1 FC	102.9 FC	55.5 FC	35.9 FC	32 FC	20.1 FC	18.6 FC	9.9 FC	9.6 FC
	min	111.6 FC	68.2 FC	34.5 FC	22.9 FC	26.7 FC	13.5 FC	16 FC	4.2 FC	5.1 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.5:1	1.2:1	2.4:1	1.9:1
12	avg	210.5 FC	113 FC	61.1 FC	39.7 FC	34.7 FC	22.3 FC	20.4 FC	10.9 FC	10.6 FC
	min	114.4 FC	73.3 FC	37.1 FC	25.3 FC	31.1 FC	16 FC	16.2 FC	3.7 FC	3.8 FC
		1.8:1	1.5:1	1.7:1	1.6:1	1.1:1	1.4:1	1.3:1	2.9:1	2.8:1
10	avg	224.3 FC	120.3 FC	65.4 FC	42.6 FC	37 FC	24.1 FC	22 FC	11.7 FC	11.4 FC
	min	123.9 FC	84.9 FC	39.9 FC	26.9 FC	30 FC	15.5 FC	14.1 FC	2.9 FC	4 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.6:1	1.6:1	4:1	2.9:1
8	avg	239.6 FC	128.9 FC	70.3 FC	45.9 FC	39.3 FC	26 FC	23.9 FC	12.3 FC	12.1 FC
	min	125.4 FC	108.3 FC	44.2 FC	26.6 FC	24.4 FC	14.2 FC	10.7 FC	2.1 FC	2.9 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.8:1	2.2:1	5.9:1	4.2:1

# FIXTURE: SWISHFA-ISLAND2X4 @ 29W

3,579 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	124 FC	67.4 FC	36.6 FC	23.8 FC	21.5 FC	13.4 FC	12.5 FC	6.5 FC	6.3 FC
	min	71.9 FC	46 FC	23.1 FC	15.7 FC	16.2 FC	8.9 FC	9.7 FC	3.6 FC	4 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	132.4 FC	71.8 FC	38.9 FC	25.4 FC	22.7 FC	14.2 FC	13.2 FC	6.9 FC	6.7 FC
	min	79.9 FC	49.2 FC	24.1 FC	16.7 FC	17.6 FC	9.9 FC	10.6 FC	3.5 FC	4 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.3:1	1.4:1	1.2:1	2:1	1.7:1
15	avg	145.4 FC	78.6 FC	42.9 FC	28 FC	24.9 FC	15.7 FC	14.5 FC	7.7 FC	7.5 FC
	min	84.2 FC	53.5 FC	26.1 FC	17.7 FC	20.7 FC	11 FC	12.8 FC	3.5 FC	4.2 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.4:1	1.1:1	2.2:1	1.8:1
12	avg	160.2 FC	86.5 FC	47.3 FC	31 FC	27.1 FC	17.4 FC	16 FC	8.5 FC	8.3 FC
	min	89.7 FC	57.6 FC	27.9 FC	20.5 FC	24.7 FC	12.2 FC	13 FC	2.9 FC	2.9 FC
		1.8:1	1.5:1	1.7:1	1.5:1	1.1:1	1.4:1	1.2:1	2.9:1	2.9:1
10	avg	170.8 FC	92.1 FC	50.6 FC	33.2 FC	28.9 FC	18.8 FC	17.2 FC	9.2 FC	9 FC
	min	92.4 FC	66.3 FC	29.9 FC	20.5 FC	24 FC	12.8 FC	11.4 FC	2.5 FC	3.4 FC
		1.9:1	1.4:1	1.7:1	1.6:1	1.2:1	1.5:1	1.5:1	3.7:1	2.6:1
8	avg	182.4 FC	98.6 FC	54.4 FC	35.9 FC	30.6 FC	20.4 FC	18.7 FC	9.7 FC	9.5 FC
	min	91.7 FC	82.8 FC	33 FC	22.3 FC	19.4 FC	11.3 FC	8.7 FC	1.6 FC	2.3 FC
		2:1	1.2:1	1.7:1	1.6:1	1.6:1	1.8:1	2.1:1	6:1	4.2:1

# FIXTURE: SWISHFA-ISLAND2X4 @ 39W

4,699 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	165.1 FC	89.8 FC	48.7 FC	31.7 FC	28.7 FC	17.8 FC	16.6 FC	8.7 FC	8.4 FC
	min	96.6 FC	61.3 FC	31 FC	21 FC	21.6 FC	11.8 FC	12.9 FC	4.8 FC	5.4 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	176.3 FC	95.7 FC	51.9 FC	33.8 FC	30.3 FC	19 FC	17.6 FC	9.2 FC	9 FC
	min	107.3 FC	65.5 FC	32.4 FC	22.3 FC	23.6 FC	13.2 FC	14 FC	4.7 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	2:1	1.7:1
15	avg	193.6 FC	104.8 FC	57.1 FC	37.3 FC	33.2 FC	21 FC	19.3 FC	10.3 FC	10 FC
	min	113.2 FC	71.1 FC	35 FC	23.8 FC	27.7 FC	14.5 FC	17 FC	4.6 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	1.8:1
12	avg	213.4 FC	115.3 FC	63.1 FC	41.3 FC	36.1 FC	23.2 FC	21.3 FC	11.4 FC	11 FC
	min	119.6 FC	76.7 FC	37.6 FC	27.1 FC	32.9 FC	16.3 FC	17.4 FC	3.9 FC	3.9 FC
		1.8:1	1.5:1	1.7:1	1.5:1	1.1:1	1.4:1	1.2:1	2.9:1	2.8:1
10	avg	227.6 FC	122.8 FC	67.4 FC	44.3 FC	38.5 FC	25.1 FC	22.9 FC	12.2 FC	12 FC
	min	124.4 FC	88.1 FC	40.3 FC	27.4 FC	32 FC	16.9 FC	15.2 FC	3.3 FC	4.5 FC
		1.8:1	1.4:1	1.7:1	1.6:1	1.2:1	1.5:1	1.5:1	3.7:1	2.7:1
8	avg	243.2 FC	131.4 FC	72.6 FC	47.8 FC	40.8 FC	27.2 FC	24.9 FC	12.9 FC	12.7 FC
	min	123.6 FC	109.6 FC	44.5 FC	29.4 FC	25.9 FC	15.2 FC	11.7 FC	2.2 FC	3.1 FC
		2:1	1.2:1	1.6:1	1.6:1	1.6:1	1.8:1	2.1:1	5.9:1	4.1:1

# FIXTURE: SWISHFA-ISLAND2X4 @ 49W

5,561 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
<b>20</b>	avg	194.2 FC	105.6 FC	57.3 FC	37.3 FC	33.7 FC	21 FC	19.6 FC	10.2 FC	9.9 FC
	min	113.7 FC	72.1 FC	36.4 FC	24.7 FC	25.4 FC	14 FC	15.1 FC	5.7 FC	6.3 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
<b>18</b>	avg	207.4 FC	112.6 FC	61 FC	39.8 FC	35.6 FC	22.3 FC	20.7 FC	10.8 FC	10.5 FC
	min	126.2 FC	77 FC	38.2 FC	26.2 FC	27.8 FC	15.5 FC	16.4 FC	5.5 FC	6.3 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.4:1	1.3:1	2:1	1.7:1
<b>15</b>	avg	227.7 FC	123.3 FC	67.2 FC	43.8 FC	39.1 FC	24.7 FC	22.7 FC	12.2 FC	11.8 FC
	min	133.2 FC	83.7 FC	41.2 FC	28 FC	32.6 FC	17.1 FC	20 FC	5.5 FC	6.6 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.4:1	1.1:1	2.2:1	1.8:1
<b>12</b>	avg	251 FC	135.7 FC	74.2 FC	48.5 FC	42.5 FC	27.3 FC	25.1 FC	13.4 FC	13 FC
	min	140.7 FC	90.2 FC	44.3 FC	31.9 FC	38.7 FC	19.2 FC	20.4 FC	4.6 FC	4.6 FC
		1.8:1	1.5:1	1.7:1	1.5:1	1.1:1	1.4:1	1.2:1	2.9:1	2.8:1
<b>10</b>	avg	267.8 FC	144.4 FC	79.3 FC	52.1 FC	45.2 FC	29.5 FC	27 FC	14.4 FC	14.1 FC
	min	146.5 FC	103.6 FC	47.4 FC	32.2 FC	37.7 FC	19.9 FC	17.9 FC	3.9 FC	5.3 FC
		1.8:1	1.4:1	1.7:1	1.6:1	1.2:1	1.5:1	1.5:1	3.7:1	2.7:1
<b>8</b>	avg	286.1 FC	154.6 FC	85.4 FC	56.3 FC	48 FC	31.9 FC	29.3 FC	15.2 FC	15 FC
	min	145.5 FC	128.9 FC	52.3 FC	34.6 FC	30.5 FC	17.9 FC	13.8 FC	2.6 FC	3.7 FC
		2:1	1.2:1	1.6:1	1.6:1	1.6:1	1.8:1	2.1:1	5.8:1	4.1:1