



# Panel Spacing Tables

## SWISH® 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: SWISH2X2-19N/D10

2,776 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	99.2 FC	53.5 FC	28.7 FC	18.6 FC	16.8 FC	10.4 FC	9.7 FC	5 FC	4.9 FC
	min	59.2 FC	35.7 FC	18.7 FC	12.4 FC	12.6 FC	7 FC	7.4 FC	2.7 FC	3.1 FC
		1.7:1	1.5:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.9:1	1.6:1
18	avg	106.1 FC	57 FC	30.6 FC	19.8 FC	17.8 FC	11.1 FC	10.3 FC	5.3 FC	5.2 FC
	min	66 FC	38.2 FC	19.7 FC	13 FC	13.8 FC	7.6 FC	8.1 FC	2.7 FC	3 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	116.4 FC	62.5 FC	33.7 FC	21.8 FC	19.5 FC	12.3 FC	11.3 FC	6 FC	5.8 FC
	min	69.5 FC	42.2 FC	21.4 FC	14.2 FC	16.2 FC	8.3 FC	9.8 FC	2.6 FC	3.2 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	128.2 FC	68.8 FC	37.2 FC	24.2 FC	21.2 FC	13.6 FC	12.5 FC	6.6 FC	6.4 FC
	min	71.4 FC	45.7 FC	23.2 FC	15.6 FC	18.9 FC	9.7 FC	9.9 FC	2.3 FC	2.3 FC
		1.8:1	1.5:1	1.6:1	1.6:1	1.1:1	1.4:1	1.3:1	2.9:1	2.8:1
10	avg	136.9 FC	73.4 FC	39.9 FC	26 FC	22.6 FC	14.7 FC	13.5 FC	7.1 FC	7 FC
	min	77.1 FC	52.2 FC	25 FC	16.4 FC	18.4 FC	9.5 FC	8.7 FC	1.9 FC	2.6 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.6:1	1.6:1	3.7:1	2.7:1
8	avg	146.6 FC	78.8 FC	43 FC	28.1 FC	24.1 FC	15.9 FC	14.7 FC	7.5 FC	7.4 FC
	min	78.5 FC	66.3 FC	27.6 FC	16.5 FC	15.2 FC	8.7 FC	6.8 FC	1.3 FC	1.9 FC
		1.9:1	1.2:1	1.6:1	1.7:1	1.6:1	1.8:1	2.2:1	5.8:1	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: SWISH2X2-29N/D10

4,039 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	143.4 FC	77.5 FC	41.5 FC	26.9 FC	24.3 FC	15 FC	14 FC	7.3 FC	7.1 FC
	min	82.8 FC	53.5 FC	26.1 FC	17.6 FC	18.3 FC	9.9 FC	11.1 FC	4 FC	4.5 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	153.4 FC	82.4 FC	44.2 FC	28.7 FC	25.7 FC	16.1 FC	14.9 FC	7.7 FC	7.5 FC
	min	92.4 FC	56.7 FC	27.4 FC	18.8 FC	19.9 FC	11.1 FC	12.1 FC	3.9 FC	4.5 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.3:1	1.5:1	1.2:1	2:1	1.7:1
15	avg	168.7 FC	90.7 FC	48.7 FC	31.6 FC	28.2 FC	17.7 FC	16.4 FC	8.7 FC	8.4 FC
	min	97.9 FC	62.4 FC	29.6 FC	20 FC	23.5 FC	12.5 FC	14.6 FC	3.9 FC	4.7 FC
		1.7:1	1.5:1	1.7:1	1.6:1	1.2:1	1.4:1	1.1:1	2.2:1	1.8:1
12	avg	185.8 FC	99.7 FC	53.8 FC	35 FC	30.7 FC	19.7 FC	18.1 FC	9.6 FC	9.3 FC
	min	106.6 FC	67.8 FC	31.9 FC	23.4 FC	28.1 FC	13.6 FC	14.5 FC	3.2 FC	3.3 FC
		1.7:1	1.5:1	1.7:1	1.5:1	1.1:1	1.5:1	1.3:1	3:1	2.8:1
10	avg	198.4 FC	106.5 FC	57.7 FC	37.6 FC	32.8 FC	21.3 FC	19.5 FC	10.3 FC	10.1 FC
	min	108.1 FC	78.4 FC	34.4 FC	23.1 FC	27.1 FC	14.7 FC	12.7 FC	2.9 FC	3.8 FC
		1.8:1	1.4:1	1.7:1	1.6:1	1.2:1	1.5:1	1.5:1	3.6:1	2.7:1
8	avg	212.3 FC	114.1 FC	62.2 FC	40.7 FC	34.9 FC	23 FC	21.2 FC	10.9 FC	10.7 FC
	min	108.2 FC	98.3 FC	37.7 FC	25.8 FC	22.1 FC	12.2 FC	9.9 FC	1.9 FC	2.6 FC
		2:1	1.2:1	1.7:1	1.6:1	1.6:1	1.9:1	2.1:1	5.7:1	4.1:1

# FIXTURE: SWISH2X4-39N/D10

5,436 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	184.5 FC	100.4 FC	54.5 FC	35.5 FC	32.2 FC	19.9 FC	18.6 FC	9.7 FC	9.4 FC
	min	113.9 FC	66.7 FC	36.2 FC	23.5 FC	24.2 FC	13.3 FC	14 FC	5.3 FC	5.9 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	197.4 FC	107.1 FC	58.2 FC	37.9 FC	34 FC	21.3 FC	19.7 FC	10.3 FC	10.1 FC
	min	123.7 FC	71.3 FC	37.2 FC	24.6 FC	26 FC	14.5 FC	15.3 FC	5.3 FC	5.8 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	217 FC	117.5 FC	64.2 FC	41.8 FC	37.4 FC	23.5 FC	21.7 FC	11.6 FC	11.2 FC
	min	131.2 FC	78.8 FC	40.4 FC	27.9 FC	30.6 FC	15.7 FC	18.5 FC	5.1 FC	6.1 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	239.6 FC	129.6 FC	71 FC	46.4 FC	40.7 FC	26.2 FC	24 FC	12.8 FC	12.4 FC
	min	132.8 FC	85.2 FC	43.8 FC	29.6 FC	36.8 FC	18.4 FC	19.7 FC	4.5 FC	4.6 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	256.2 FC	138.4 FC	76 FC	49.9 FC	43.4 FC	28.2 FC	25.9 FC	13.8 FC	13.5 FC
	min	143.3 FC	96.9 FC	47.2 FC	31.1 FC	36.3 FC	18.3 FC	17.6 FC	3.8 FC	5 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	274.6 FC	148.5 FC	82 FC	54 FC	46.2 FC	30.6 FC	28.1 FC	14.6 FC	14.4 FC
	min	149.8 FC	120.7 FC	52.7 FC	31.8 FC	30.1 FC	17.2 FC	13.9 FC	2.7 FC	3.9 FC
		1.8:1	1.2:1	1.6:1	1.7:1	1.5:1	1.8:1	2:1	5.4:1	3.7:1

# FIXTURE: SWISH2X4-49N/D10

7,187 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
<b>20</b>	avg	242 FC	132.2 FC	71.6 FC	46.7 FC	42.3 FC	26.2 FC	24.5 FC	12.7 FC	12.4 FC
	min	142 FC	90.4 FC	45.5 FC	30.8 FC	31.8 FC	17.8 FC	19.1 FC	7.3 FC	7.9 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.3:1	1.5:1	1.3:1	1.7:1	1.6:1
<b>18</b>	avg	259.4 FC	140.9 FC	76.4 FC	49.9 FC	44.7 FC	28 FC	26 FC	13.6 FC	13.2 FC
	min	158.4 FC	96.7 FC	47.7 FC	32.9 FC	34.5 FC	19.6 FC	20.9 FC	7.2 FC	8 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.3:1	1.4:1	1.2:1	1.9:1	1.7:1
<b>15</b>	avg	285.8 FC	154.9 FC	84.4 FC	55 FC	49.3 FC	31 FC	28.6 FC	15.2 FC	14.8 FC
	min	167.8 FC	105.6 FC	51.7 FC	35 FC	40.6 FC	21.9 FC	25.4 FC	7.3 FC	8.4 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.4:1	1.1:1	2.1:1	1.8:1
<b>12</b>	avg	315.8 FC	170.8 FC	93.5 FC	61.1 FC	53.7 FC	34.5 FC	31.6 FC	16.8 FC	16.3 FC
	min	180.1 FC	114.1 FC	55.6 FC	40.9 FC	49.1 FC	24.6 FC	26.2 FC	6.1 FC	6.3 FC
		1.8:1	1.5:1	1.7:1	1.5:1	1.1:1	1.4:1	1.2:1	2.8:1	2.6:1
<b>10</b>	avg	337.7 FC	182.7 FC	100.2 FC	65.8 FC	57.3 FC	37.2 FC	34.1 FC	18.1 FC	17.8 FC
	min	185.3 FC	131.9 FC	59.5 FC	41.1 FC	48.5 FC	26.2 FC	23.2 FC	5.5 FC	7 FC
		1.8:1	1.4:1	1.7:1	1.6:1	1.2:1	1.4:1	1.5:1	3.3:1	2.5:1
<b>8</b>	avg	362.1 FC	196 FC	108.1 FC	71.3 FC	61 FC	40.4 FC	37.1 FC	19.3 FC	19 FC
	min	184.6 FC	166 FC	65.4 FC	45.3 FC	40.2 FC	23.7 FC	18.5 FC	3.7 FC	5 FC
		2:1	1.2:1	1.7:1	1.6:1	1.5:1	1.7:1	2:1	5.2:1	3.8:1