



Panel Spacing Tables

SWISH[®]34 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: SWISH34-2X2-19N

2,268 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	78.7 FC	42.6 FC	23 FC	14.9 FC	13.5 FC	8.3 FC	7.8 FC	4 FC	3.9 FC
	min	47 FC	28.5 FC	14.8 FC	10 FC	10 FC	5.7 FC	6 FC	2.3 FC	2.5 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.4:1	1.5:1	1.3:1	1.7:1	1.6:1
18	avg	84.5 FC	45.6 FC	24.5 FC	15.9 FC	14.3 FC	8.9 FC	8.3 FC	4.3 FC	4.1 FC
	min	52.6 FC	30.7 FC	15.5 FC	10.5 FC	11 FC	6.2 FC	6.5 FC	2.3 FC	2.4 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	92.8 FC	49.9 FC	27 FC	17.5 FC	15.7 FC	9.8 FC	9.1 FC	4.8 FC	4.7 FC
	min	55.4 FC	33.4 FC	16.9 FC	11.3 FC	13 FC	6.8 FC	8 FC	2.2 FC	2.6 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	1.8:1
12	avg	102.7 FC	55.2 FC	29.9 FC	19.4 FC	17.1 FC	10.9 FC	10 FC	5.3 FC	5.2 FC
	min	57.6 FC	36.2 FC	18.3 FC	12.8 FC	15.4 FC	8.1 FC	8.3 FC	2 FC	2 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	109.9 FC	58.9 FC	32.1 FC	20.9 FC	18.3 FC	11.8 FC	10.9 FC	5.7 FC	5.6 FC
	min	62.2 FC	41.8 FC	19.7 FC	13.6 FC	15.3 FC	8.1 FC	7.2 FC	1.7 FC	2.1 FC
		1.8:1	1.4:1	1.6:1	1.5:1	1.2:1	1.5:1	1.5:1	3.4:1	2.7:1
8	avg	118.1 FC	63.6 FC	34.7 FC	22.7 FC	19.4 FC	12.8 FC	11.8 FC	6.1 FC	6 FC
	min	63 FC	53.7 FC	21.9 FC	14 FC	12.6 FC	7.5 FC	5.7 FC	1.2 FC	1.6 FC
		1.9:1	1.2:1	1.6:1	1.6:1	1.5:1	1.7:1	2.1:1	5:1	3.7:1

-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: SWISH34-2X2-29N

3,373 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	117 FC	63.3 FC	34.1 FC	22.2 FC	20 FC	12.4 FC	11.6 FC	6 FC	5.8 FC
	min	69.7 FC	42.3 FC	22 FC	14.8 FC	14.8 FC	8.5 FC	8.9 FC	3.4 FC	3.7 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	125.6 FC	67.8 FC	36.4 FC	23.6 FC	21.2 FC	13.2 FC	12.3 FC	6.3 FC	6.2 FC
	min	78 FC	45.5 FC	23.1 FC	15.5 FC	16.3 FC	9.2 FC	9.7 FC	3.4 FC	3.6 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	137.9 FC	74.2 FC	40.2 FC	26.1 FC	23.3 FC	14.6 FC	13.5 FC	7.1 FC	6.9 FC
	min	82.1 FC	49.6 FC	25.1 FC	16.8 FC	19.2 FC	10.1 FC	11.8 FC	3.3 FC	3.9 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	1.8:1
12	avg	152.7 FC	82.1 FC	44.5 FC	28.9 FC	25.4 FC	16.3 FC	14.9 FC	7.9 FC	7.7 FC
	min	85.4 FC	53.7 FC	27.1 FC	18.9 FC	22.9 FC	12 FC	12.3 FC	3 FC	3.1 FC
		1.8:1	1.5:1	1.6:1	1.5:1	1.1:1	1.4:1	1.2:1	2.6:1	2.5:1
10	avg	163.3 FC	87.6 FC	47.8 FC	31.1 FC	27.2 FC	17.6 FC	16.1 FC	8.5 FC	8.3 FC
	min	92.3 FC	62 FC	29.2 FC	20.1 FC	22.7 FC	12 FC	10.8 FC	2.5 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	3.4:1	2.6:1
8	avg	175.5 FC	94.5 FC	51.6 FC	33.7 FC	28.9 FC	19.1 FC	17.6 FC	9 FC	8.9 FC
	min	93.5 FC	79.9 FC	32.4 FC	20.8 FC	18.8 FC	11.2 FC	8.5 FC	1.8 FC	2.3 FC
		1.9:1	1.2:1	1.6:1	1.6:1	1.5:1	1.7:1	2.1:1	5:1	3.9:1

FIXTURE: SWISH34-2X4-29N

3,578 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	119.7 FC	65.3 FC	35.5 FC	23.2 FC	21 FC	13 FC	12.2 FC	6.3 FC	6.1 FC
	min	72.1 FC	44.3 FC	23.1 FC	15.7 FC	15.7 FC	8.9 FC	9.3 FC	3.6 FC	3.9 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	128.4 FC	69.8 FC	37.9 FC	24.7 FC	22.2 FC	13.9 FC	12.9 FC	6.7 FC	6.6 FC
	min	80.6 FC	47.6 FC	24.3 FC	16.5 FC	17.2 FC	9.8 FC	10.2 FC	3.6 FC	3.9 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	141.3 FC	76.6 FC	41.9 FC	27.3 FC	24.5 FC	15.4 FC	14.2 FC	7.6 FC	7.3 FC
	min	85.4 FC	51.8 FC	26.4 FC	17.9 FC	20.2 FC	10.6 FC	12.4 FC	3.5 FC	4.2 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	156.4 FC	84.8 FC	46.4 FC	30.4 FC	26.6 FC	17.1 FC	15.7 FC	8.4 FC	8.1 FC
	min	88.4 FC	56 FC	28.5 FC	20.1 FC	24.2 FC	12.4 FC	13.1 FC	3.1 FC	3.2 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	2.5:1
10	avg	167.5 FC	90.5 FC	49.8 FC	32.7 FC	28.5 FC	18.5 FC	17 FC	9 FC	8.8 FC
	min	94.6 FC	64.4 FC	30.6 FC	21 FC	24.1 FC	12.6 FC	11.6 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	3.3:1	2.6:1
8	avg	179.9 FC	97.4 FC	53.8 FC	35.4 FC	30.3 FC	20.1 FC	18.4 FC	9.6 FC	9.4 FC
	min	94.6 FC	80.7 FC	33.8 FC	22.1 FC	20.1 FC	12 FC	9.2 FC	2 FC	2.6 FC
		1.9:1	1.2:1	1.6:1	1.6:1	1.5:1	1.7:1	2:1	4.8:1	3.6:1

FIXTURE: SWISH34-2X4-39N

4,800 Lumens

Height (ft)	Spacing (ft)									
	4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	
20	avg	160.4 FC	87.5 FC	47.6 FC	31.1 FC	28.1 FC	17.5 FC	16.3 FC	8.5 FC	8.2 FC
	min	96.1 FC	59.3 FC	30.8 FC	20.9 FC	20.9 FC	12 FC	12.6 FC	4.9 FC	5.3 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.4:1	1.5:1	1.3:1	1.7:1	1.6:1
18	avg	172.1 FC	93.7 FC	50.9 FC	33.2 FC	29.8 FC	18.6 FC	17.3 FC	9.1 FC	8.8 FC
	min	107.3 FC	63.6 FC	32.4 FC	22.1 FC	23 FC	13.2 FC	13.7 FC	4.9 FC	5.2 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	189.4 FC	102.7 FC	56.2 FC	36.6 FC	32.8 FC	20.6 FC	19.1 FC	10.1 FC	9.9 FC
	min	113.7 FC	69.2 FC	35.2 FC	23.8 FC	27 FC	14.3 FC	16.6 FC	4.8 FC	5.5 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.2:1	1.4:1	1.2:1	2.1:1	1.8:1
12	avg	209.7 FC	113.7 FC	62.3 FC	40.7 FC	35.7 FC	22.9 FC	21.1 FC	11.2 FC	10.9 FC
	min	118.1 FC	74.9 FC	37.9 FC	26.9 FC	32.4 FC	16.8 FC	17.6 FC	4.2 FC	4.3 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	2.5:1
10	avg	224.6 FC	121.4 FC	66.8 FC	43.9 FC	38.2 FC	24.8 FC	22.7 FC	12.1 FC	11.8 FC
	min	126.3 FC	86.2 FC	40.7 FC	28.3 FC	32.5 FC	17 FC	15.6 FC	3.7 FC	4.6 FC
		1.8:1	1.4:1	1.6:1	1.6:1	1.2:1	1.5:1	1.5:1	3.3:1	2.6:1
8	avg	241.2 FC	130.7 FC	72.1 FC	47.5 FC	40.7 FC	26.9 FC	24.7 FC	12.9 FC	12.7 FC
	min	125.7 FC	108.5 FC	44.9 FC	29.6 FC	27 FC	16.3 FC	12.4 FC	2.7 FC	3.4 FC
		1.9:1	1.2:1	1.6:1	1.6:1	1.5:1	1.7:1	2:1	4.8:1	3.7:1