



Strip/Wrap Spacing Tables

STRP-LED™ 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: STRP210-840U

1,449 Lumens

		Spacing (ft)								
Height (ft)		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	47 FC	25 FC	13.2 FC	8.5 FC	7.8 FC	4.7 FC	4.4 FC	2.2 FC	2.2 FC
	min	28.5 FC	17.3 FC	8.6 FC	5.7 FC	5.9 FC	3.2 FC	3.4 FC	1.3 FC	1.4 FC
		1.7:1	1.4:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.7:1	1.6:1
18	avg	50.7 FC	26.8 FC	14 FC	9.1 FC	8.2 FC	5 FC	4.7 FC	2.4 FC	2.4 FC
	min	32.2 FC	18.7 FC	9.1 FC	6.1 FC	6.5 FC	3.5 FC	3.7 FC	1.3 FC	1.5 FC
		1.6:1	1.4:1	1.5:1	1.5:1	1.3:1	1.4:1	1.3:1	1.9:1	1.6:1
15	avg	55.9 FC	29.6 FC	15.6 FC	10.1 FC	9.1 FC	5.6 FC	5.2 FC	2.7 FC	2.6 FC
	min	34.5 FC	20.8 FC	10 FC	6.7 FC	7.6 FC	3.9 FC	4.5 FC	1.3 FC	1.6 FC
		1.6:1	1.4:1	1.6:1	1.5:1	1.2:1	1.4:1	1.2:1	2.1:1	1.6:1
12	avg	62.3 FC	32.8 FC	17.4 FC	11.2 FC	10 FC	6.3 FC	5.8 FC	3 FC	2.9 FC
	min	37.4 FC	21.2 FC	11 FC	7.6 FC	9.1 FC	4.5 FC	4.8 FC	1.2 FC	1.2 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.1:1	1.4:1	1.2:1	2.5:1	2.4:1
10	avg	66.9 FC	35.1 FC	18.7 FC	12.1 FC	10.7 FC	6.8 FC	6.3 FC	3.3 FC	3.2 FC
	min	39.2 FC	23.9 FC	11.9 FC	7.9 FC	9.2 FC	4.8 FC	4.5 FC	1.1 FC	1.4 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.2:1	1.4:1	1.4:1	3:1	2.3:1
8	avg	72.4 FC	37.9 FC	20.3 FC	13.1 FC	11.4 FC	7.4 FC	6.8 FC	3.5 FC	3.5 FC
	min	40.2 FC	32.5 FC	13.3 FC	8.6 FC	7.9 FC	4.6 FC	3.6 FC	0.9 FC	1.2 FC
		1.8:1	1.2:1	1.5:1	1.5:1	1.4:1	1.6:1	1.9:1	3.9:1	2.9:1

-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 8/11/2023.

-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: STRP220-840U

2,722 Lumens

Height (ft)		Spacing (ft)								
		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	91.1 FC	48.6 FC	25.7 FC	16.5 FC	15.1 FC	9.2 FC	8.6 FC	4.4 FC	4.3 FC
	min	55.9 FC	33.1 FC	17.1 FC	11.2 FC	11.5 FC	6.2 FC	6.6 FC	2.5 FC	2.8 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	98 FC	52.1 FC	27.4 FC	17.7 FC	16 FC	9.8 FC	9.2 FC	4.7 FC	4.6 FC
	min	63 FC	35.8 FC	17.9 FC	11.8 FC	12.5 FC	6.8 FC	7.2 FC	2.5 FC	2.8 FC
		1.6:1	1.5:1	1.5:1	1.5:1	1.3:1	1.4:1	1.3:1	1.9:1	1.6:1
15	avg	108.4 FC	57.5 FC	30.4 FC	19.6 FC	17.7 FC	10.9 FC	10.2 FC	5.3 FC	5.1 FC
	min	67.3 FC	39.8 FC	19.7 FC	13.1 FC	14.6 FC	7.5 FC	8.7 FC	2.5 FC	2.9 FC
		1.6:1	1.4:1	1.5:1	1.5:1	1.2:1	1.5:1	1.2:1	2.1:1	1.8:1
12	avg	120.6 FC	63.5 FC	33.8 FC	21.8 FC	19.4 FC	12.2 FC	11.2 FC	5.8 FC	5.7 FC
	min	69.9 FC	39.9 FC	21.4 FC	14.3 FC	17.4 FC	8.7 FC	9.3 FC	2.3 FC	2.3 FC
		1.7:1	1.6:1	1.6:1	1.5:1	1.1:1	1.4:1	1.2:1	2.5:1	2.5:1
10	avg	129.6 FC	67.9 FC	36.4 FC	23.5 FC	20.7 FC	13.2 FC	12.2 FC	6.3 FC	6.2 FC
	min	75 FC	44.9 FC	23.2 FC	15.1 FC	17.7 FC	8.9 FC	8.7 FC	2 FC	2.6 FC
		1.7:1	1.5:1	1.6:1	1.6:1	1.2:1	1.5:1	1.4:1	3.2:1	2.4:1
8	avg	139.1 FC	73.5 FC	39.3 FC	25.5 FC	22.1 FC	14.4 FC	13.1 FC	6.8 FC	6.7 FC
	min	76.8 FC	61.7 FC	25.8 FC	15.9 FC	15.3 FC	8.7 FC	6.9 FC	1.5 FC	2.1 FC
		1.8:1	1.2:1	1.5:1	1.6:1	1.5:1	1.7:1	1.9:1	4.5:1	3.2:1

FIXTURE: STRP420-840U

2,835 Lumens

Height (ft)		Spacing (ft)								
		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	88.5 FC	47.6 FC	25.2 FC	16.2 FC	14.9 FC	9 FC	8.5 FC	4.3 FC	4.2 FC
	min	53.5 FC	32.7 FC	16.4 FC	10.9 FC	11.1 FC	6.2 FC	6.5 FC	2.6 FC	2.7 FC
		1.7:1	1.5:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.7:1	1.6:1
18	avg	95.7 FC	51.1 FC	26.9 FC	17.3 FC	15.8 FC	9.6 FC	9 FC	4.6 FC	4.5 FC
	min	60.5 FC	35.4 FC	17.3 FC	11.7 FC	12.2 FC	6.9 FC	7.2 FC	2.6 FC	2.7 FC
		1.6:1	1.4:1	1.6:1	1.5:1	1.3:1	1.4:1	1.3:1	1.8:1	1.7:1
15	avg	105.6 FC	56.5 FC	29.8 FC	19.3 FC	17.5 FC	10.8 FC	10 FC	5.2 FC	5 FC
	min	64.8 FC	39 FC	19 FC	12.6 FC	14.4 FC	7.6 FC	8.7 FC	2.6 FC	3 FC
		1.6:1	1.5:1	1.6:1	1.5:1	1.2:1	1.4:1	1.2:1	2:1	1.7:1
12	avg	117.9 FC	62 FC	33.2 FC	21.5 FC	19.1 FC	12 FC	11.1 FC	5.7 FC	5.6 FC
	min	69.6 FC	41 FC	20.7 FC	14.4 FC	17.6 FC	8.9 FC	9.6 FC	2.4 FC	2.4 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.1:1	1.4:1	1.2:1	2.4:1	2.3:1
10	avg	126.7 FC	66.5 FC	35.8 FC	23.1 FC	20.5 FC	13 FC	12 FC	6.2 FC	6.1 FC
	min	74.1 FC	46.3 FC	22.4 FC	15.1 FC	18 FC	9.4 FC	8.9 FC	2.2 FC	2.8 FC
		1.7:1	1.4:1	1.6:1	1.5:1	1.1:1	1.4:1	1.4:1	2.8:1	2.2:1
8	avg	136.9 FC	72.5 FC	38.8 FC	25.1 FC	21.9 FC	14.2 FC	13 FC	6.7 FC	6.6 FC
	min	75.5 FC	61.3 FC	24.9 FC	16.6 FC	15.7 FC	9.4 FC	7.3 FC	1.8 FC	2.2 FC
		1.8:1	1.2:1	1.6:1	1.5:1	1.4:1	1.5:1	1.8:1	3.7:1	3:1

FIXTURE: STRP440-840U

5,539 Lumens

		Spacing (ft)								
Height (ft)		4x4	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20
20	avg	185.1 FC	100 FC	52.8 FC	34 FC	31.1 FC	18.9 FC	17.7 FC	9 FC	8.8 FC
	min	112.4 FC	69.8 FC	34.4 FC	22.3 FC	23.6 FC	12.4 FC	13.6 FC	5.1 FC	5.6 FC
		1.7:1	1.4:1	1.5:1	1.5:1	1.3:1	1.5:1	1.3:1	1.8:1	1.6:1
18	avg	199.3 FC	106.6 FC	56.4 FC	36.4 FC	33.1 FC	20.2 FC	18.9 FC	9.6 FC	9.4 FC
	min	125.3 FC	73.7 FC	35.8 FC	23.8 FC	25.2 FC	13.8 FC	15 FC	5 FC	5.9 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	1.6:1
15	avg	220.5 FC	118.1 FC	62.6 FC	40.4 FC	36.5 FC	22.6 FC	21 FC	10.8 FC	10.6 FC
	min	134.4 FC	82.8 FC	39.1 FC	26.3 FC	29.6 FC	16 FC	18.2 FC	5.2 FC	6.2 FC
		1.6:1	1.4:1	1.6:1	1.5:1	1.2:1	1.4:1	1.2:1	2.1:1	1.7:1
12	avg	245.9 FC	129.2 FC	69.6 FC	45 FC	40 FC	25.2 FC	23.2 FC	12.1 FC	11.7 FC
	min	148.1 FC	84.1 FC	42.4 FC	29.7 FC	36.9 FC	17.3 FC	19.9 FC	4.5 FC	4.6 FC
		1.7:1	1.5:1	1.6:1	1.5:1	1.1:1	1.5:1	1.2:1	2.7:1	2.5:1
10	avg	263.9 FC	138.9 FC	74.9 FC	48.5 FC	42.9 FC	27.3 FC	25 FC	13.1 FC	12.9 FC
	min	149.3 FC	95.1 FC	45.8 FC	29.7 FC	37.7 FC	19.5 FC	18.3 FC	4.2 FC	5.5 FC
		1.8:1	1.5:1	1.6:1	1.6:1	1.1:1	1.4:1	1.4:1	3.1:1	2.3:1
8	avg	284.5 FC	151 FC	81 FC	52.7 FC	45.6 FC	29.6 FC	27.1 FC	14 FC	13.8 FC
	min	152.9 FC	124.2 FC	50.5 FC	34.9 FC	32.6 FC	18.1 FC	14.7 FC	2.9 FC	4 FC
		1.9:1	1.2:1	1.6:1	1.5:1	1.4:1	1.6:1	1.8:1	4.8:1	3.5:1