



High Bay Spacing Tables

L34™ Family

Spacing Tables are to be used for quick reference ONLY. The tables provide average footcandle levels and max: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: L34-110 (0° tilt) 13,534 Lumens

Height (ft)	Spacing (ft)								
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	45x45	50x50
50	70.1 FC	31.8 FC	21.4 FC	13.7 FC	12.5 FC	7.7 FC	7.3 FC	6.6 FC	3.6 FC
	2.2:1	2.3:1	2.1:1	2.1:1	1.7:1	2.0:1	1.6:1	1.5:1	2.1:1
45	74.3 FC	33.7 FC	22.6 FC	14.7 FC	13.2 FC	8.1 FC	7.6 FC	6.9 FC	3.7 FC
	2.3:1	2.4:1	2.1:1	2.0:1	1.7:1	2.0:1	1.6:1	1.4:1	2.3:1
40	78.1 FC	35.5 FC	23.8 FC	15.3 FC	13.8 FC	8.5 FC	7.9 FC	7.2 FC	4 FC
	2.5:1	2.6:1	2.1:1	2.2:1	1.6:1	1.9:1	1.7:1	1.3:1	2.4:1
35	82.5 FC	37.5 FC	25 FC	16.1 FC	14.5 FC	9 FC	8.4 FC	7.5 FC	4.2 FC
	2.6:1	2.7:1	2.1:1	2.2:1	1.4:1	2.0:1	1.4:1	1.3:1	2.9:1
30	87.2 FC	39.6 FC	26.4 FC	17.2 FC	15.2 FC	9.6 FC	8.8 FC	7.9 FC	4.6 FC
	2.9:1	2.8:1	2.1:1	2.2:1	1.3:1	1.9:1	1.5:1	1.5:1	3.5:1
25	92.5 FC	41.9 FC	28 FC	18 FC	16 FC	10.1 FC	9.3 FC	8.3 FC	4.8 FC
	3.1:1	3.2:1	2.1:1	2.5:1	1.3:1	2.4:1	1.8:1	2.1:1	5.2:1
20	98 FC	44.4 FC	29.7 FC	19.8 FC	16.8 FC	10.8 FC	9.9 FC	8.7 FC	5.1 FC
	3.5:1	3.5:1	2.1:1	2.1:1	1.6:1	3.1:1	3.0:1	3.8:1	11.2:1
15	103.7 FC	47 FC	32.1 FC	20.4 FC	17.9 FC	11.5 FC	10.7 FC	9.4 FC	5.4 FC
	4.3:1	4.9:1	2.2:1	4.8:1	3.1:1	6.5:1	7.3:1	10.1:1	34.6:1
10	113.1 FC	49.5 FC	33.7 FC	21.8 FC	19.5 FC	12.8 FC	11.9 FC	10.5 FC	5.6 FC
	5.4:1	12.0:1	6.4:1	13.5:1	11.9:1	27.4:1	33.0:1	44.3:1	177.0:1

-Fixture Calculations in 100' x100' open room, 80/50/20 reflectances, readings taken at 2'-6" AFF, CCT 5000K

-Ratios show max:min uniformity

-This information is current as of 11/15/2021.

-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: L34-110 (50° tilt)

13,617 Lumens

Height (ft)	Spacing (ft)								
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	45x45	50x50
50	59 FC 2.1:1	26.8 FC 2.2:1	18 FC 2.0:1	11.6 FC 2.0:1	10.7 FC 1.6:1	6.4 FC 1.9:1	6.1 FC 1.6:1	5.6 FC 1.5:1	3 FC 2.1:1
45	61.2 FC 2.2:1	27.7 FC 2.2:1	18.7 FC 2.0:1	12.2 FC 1.9:1	11.1 FC 1.7:1	6.7 FC 1.9:1	6.4 FC 1.6:1	5.8 FC 1.4:1	3.1 FC 2.2:1
40	64.2 FC 2.3:1	29.1 FC 2.3:1	19.6 FC 2.0:1	12.6 FC 2.1:1	11.5 FC 1.6:1	7 FC 1.9:1	6.6 FC 1.7:1	6.1 FC 1.4:1	3.3 FC 2.2:1
35	67.7 FC 2.4:1	30.6 FC 2.4:1	20.6 FC 2.0:1	13.2 FC 2.0:1	12.2 FC 1.4:1	7.4 FC 1.9:1	7 FC 1.4:1	6.4 FC 1.4:1	3.4 FC 2.7:1
30	71.8 FC 2.6:1	32.5 FC 2.5:1	21.8 FC 2.0:1	14.2 FC 2.0:1	12.8 FC 1.3:1	7.9 FC 1.8:1	7.3 FC 1.6:1	6.7 FC 1.4:1	3.7 FC 3.1:1
25	76.3 FC 2.6:1	34.5 FC 2.7:1	23.2 FC 2.0:1	14.9 FC 2.3:1	13.5 FC 1.3:1	8.3 FC 2.3:1	7.7 FC 1.8:1	7 FC 1.8:1	3.9 FC 4.2:1
20	81.5 FC 2.7:1	36.8 FC 2.7:1	24.7 FC 2.0:1	16.4 FC 2.0:1	14.3 FC 1.5:1	8.9 FC 2.7:1	8.3 FC 2.4:1	7.5 FC 2.8:1	4.2 FC 7.1:1
15	87.1 FC 3.1:1	39.4 FC 3.5:1	26.9 FC 2.0:1	17 FC 3.5:1	15.3 FC 2.3:1	9.6 FC 4.5:1	9 FC 4.7:1	8 FC 5.7:1	4.5 FC 14.8:1
10	95.5 FC 3.6:1	42.2 FC 5.9:1	28.6 FC 4.0:1	18.5 FC 6.8:1	16.7 FC 6.3:1	10.7 FC 11.7:1	10 FC 14.6:1	9 FC 19.4:1	4.8 FC 47.0:1

FIXTURE: L34-180 (0° tilt)

20,996 Lumens

Height (ft)	Spacing (ft)								
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	45x45	50x50
50	109.3 FC 2.3:1	49.6 FC 2.3:1	33.3 FC 2.1:1	21.4 FC 2.1:1	19.6 FC 1.7:1	12 FC 2.0:1	11.3 FC 1.6:1	10.3 FC 1.5:1	5.5 FC 2.1:1
45	115.8 FC 2.3:1	52.5 FC 2.5:1	35.2 FC 2.1:1	22.9 FC 2.0:1	20.6 FC 1.6:1	12.6 FC 2.0:1	11.9 FC 1.6:1	10.8 FC 1.4:1	5.9 FC 2.3:1
40	121.8 FC 2.5:1	55.4 FC 2.6:1	37 FC 2.1:1	23.8 FC 2.2:1	21.5 FC 1.6:1	13.3 FC 2.0:1	12.3 FC 1.7:1	11.2 FC 1.3:1	6.3 FC 2.5:1
35	128.5 FC 2.7:1	58.4 FC 2.7:1	39 FC 2.1:1	25.1 FC 2.2:1	22.6 FC 1.4:1	14 FC 2.0:1	13.1 FC 1.4:1	11.7 FC 1.3:1	6.6 FC 3.1:1
30	136 FC 2.9:1	61.8 FC 2.8:1	41.2 FC 2.2:1	26.8 FC 2.2:1	23.7 FC 1.3:1	15 FC 1.9:1	13.7 FC 1.5:1	12.2 FC 1.5:1	7.2 FC 3.7:1
25	144.1 FC 3.1:1	65.4 FC 3.2:1	43.6 FC 2.2:1	28.1 FC 2.5:1	24.9 FC 1.3:1	15.8 FC 2.4:1	14.5 FC 1.9:1	12.9 FC 2.1:1	7.5 FC 5.5:1
20	152.5 FC 3.4:1	69.2 FC 3.5:1	46.2 FC 2.1:1	30.8 FC 2.2:1	26.2 FC 1.6:1	16.8 FC 3.2:1	15.5 FC 3.1:1	13.6 FC 3.8:1	7.9 FC 12.1:1
15	161.3 FC 4.3:1	73.2 FC 4.9:1	50.1 FC 2.3:1	31.7 FC 4.8:1	27.9 FC 3.1:1	18 FC 6.6:1	16.7 FC 7.5:1	14.6 FC 10.3:1	8.3 FC 36.4:1
10	175.8 FC 5.7:1	77 FC 12.2:1	52.4 FC 6.9:1	33.8 FC 14.7:1	30.4 FC 12.0:1	19.8 FC 29.1:1	18.5 FC 34.4:1	16.3 FC 45.2:1	8.7 FC 223.2:1

FIXTURE: L34-180 (50° tilt)

21,077 Lumens

Height (ft)	Spacing (ft)								
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	45x45	50x50
50	91.3 FC	41.4 FC	27.9 FC	17.9 FC	16.5 FC	10 FC	9.5 FC	8.7 FC	4.6 FC
	2.1:1	2.1:1	2.0:1	1.9:1	1.6:1	1.9:1	1.6:1	1.5:1	2.0:1
45	94.7 FC	42.9 FC	28.9 FC	18.8 FC	17.2 FC	10.3 FC	9.9 FC	9 FC	4.7 FC
	2.2:1	2.2:1	2.0:1	1.9:1	1.7:1	1.9:1	1.6:1	1.5:1	2.1:1
40	99.4 FC	45 FC	30.3 FC	19.5 FC	17.8 FC	10.8 FC	10.2 FC	9.4 FC	5.1 FC
	2.3:1	2.3:1	2.1:1	2.1:1	1.6:1	1.9:1	1.7:1	1.4:1	2.2:1
35	104.8 FC	47.4 FC	31.9 FC	20.5 FC	18.9 FC	11.4 FC	10.8 FC	9.8 FC	5.3 FC
	2.4:1	2.4:1	2.0:1	2.0:1	1.4:1	1.9:1	1.4:1	1.4:1	2.6:1
30	111.1 FC	50.2 FC	33.7 FC	21.9 FC	19.8 FC	12.2 FC	11.3 FC	10.3 FC	5.7 FC
	2.5:1	2.4:1	2.0:1	2.0:1	1.3:1	1.8:1	1.6:1	1.4:1	3.0:1
25	118.1 FC	53.4 FC	35.8 FC	23 FC	20.8 FC	12.9 FC	12 FC	10.8 FC	6 FC
	2.6:1	2.7:1	2.0:1	2.2:1	1.3:1	2.3:1	1.7:1	1.8:1	4.2:1
20	126 FC	57 FC	38.2 FC	25.3 FC	22.1 FC	13.8 FC	12.9 FC	11.5 FC	6.4 FC
	2.8:1	2.8:1	2.0:1	1.9 FC	1.4:1	2.7:1	2.4:1	2.8:1	6.8:1
15	134.8 FC	60.9 FC	41.7 FC	26.4 FC	23.6 FC	14.9 FC	14 FC	12.5 FC	6.9 FC
	3.1:1	3.4:1	2.1:1	3.5:1	2.3:1	4.4:1	4.6:1	5.7:1	14.8:1
10	147.8 FC	65.2 FC	44.3 FC	28.6 FC	25.9 FC	16.6 FC	15.4 FC	13.9 FC	7.4 FC
	3.5:1	5.8:1	3.9:1	6.6:1	6.4:1	11.5:1	14.6:1	19.1:1	48.9:1