



# Single-Row Canopy Spacing Tables

## VAN17™ Family

Spacing Tables are to be used for quick reference ONLY. The tables provide average and minimum 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: VAN17-30 @ 20W 2,982 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	7.1 FC	5.4 FC	4.4 FC	3.6 FC	2.8 FC
	min	5.2 FC	3.9 FC	3.3 FC	2.5 FC	1.9 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	9.5 FC	7.1 FC	5.8 FC	4.8 FC	3.7 FC
	min	6.2 FC	4.6 FC	3.9 FC	3.2 FC	2.4 FC
		1.9:1	1.9:1	1.9:1	1.8:1	2:1
15	avg	13.1 FC	9.9 FC	8.1 FC	6.6 FC	5.1 FC
	min	8.4 FC	6.2 FC	5.2 FC	4.2 FC	2.9 FC
		2:1	2:1	1.9:1	2:1	2.3:1
12	avg	16.3 FC	12.3 FC	10.1 FC	8.3 FC	6.4 FC
	min	9.1 FC	6.9 FC	6.1 FC	4.6 FC	3.3 FC
		2.4:1	2.3:1	2.1:1	2.4:1	2.7:1
10	avg	19.1 FC	14.3 FC	11.9 FC	9.6 FC	7.5 FC
	min	9.9 FC	6.7 FC	7.3 FC	3.7 FC	3.4 FC
		2.7:1	2.9:1	2.2:1	3.7:1	3.3:1
8	avg	22.4 FC	16.9 FC	14 FC	11.4 FC	8.8 FC
	min	11.8 FC	8.9 FC	8 FC	5.3 FC	3.3 FC
		2.8:1	2.8:1	2.5:1	3.4:1	4.5:1

-Fixture Calculations in 50' x50' open room (no columns or beams), 50/.01/20 reflectances (0.1 to simulate no walls/open-air). Readings taken at 0'-0" AFF, CCT 5000K.

-Ratios show max:min uniformity

-This information is current as of 4/29/2024.

-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: VAN17-30 @ 25W 3,671 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	8.8 FC	6.6 FC	5.4 FC	4.4 FC	3.4 FC
	min	6.3 FC	4.8 FC	4 FC	3 FC	2.3 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	11.6 FC	8.7 FC	7.2 FC	5.9 FC	4.5 FC
	min	7.6 FC	5.7 FC	4.8 FC	4 FC	2.9 FC
		1.9:1	1.9:1	1.8:1	1.8:1	2:1
15	avg	16.1 FC	12.1 FC	10 FC	8.1 FC	6.3 FC
	min	10.3 FC	7.6 FC	6.4 FC	5.1 FC	3.6 FC
		2:1	2:1	1.9:1	2:1	2.3:1
12	avg	20.1 FC	15.1 FC	12.5 FC	10.2 FC	7.9 FC
	min	11.2 FC	8.5 FC	7.5 FC	5.7 FC	4.1 FC
		2.4:1	2.3:1	2.1:1	2.3:1	2.7:1
10	avg	23.4 FC	17.6 FC	14.6 FC	11.7 FC	9.2 FC
	min	12.1 FC	8.3 FC	9 FC	4.6 FC	4.2 FC
		2.7:1	2.9:1	2.2:1	3.6:1	3.3:1
8	avg	27.6 FC	20.8 FC	17.2 FC	14.1 FC	10.8 FC
	min	14.5 FC	10.9 FC	9.9 FC	6.5 FC	4 FC
		2.8:1	2.8:1	2.5:1	3.5:1	4.6:1

FIXTURE: VAN17-30 @ 30W 4,410 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	10.4 FC	7.8 FC	6.4 FC	5.2 FC	4 FC
	min	7.5 FC	5.7 FC	4.7 FC	3.6 FC	2.8 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	13.8 FC	10.3 FC	8.5 FC	6.9 FC	5.4 FC
	min	9 FC	6.7 FC	5.7 FC	4.7 FC	3.5 FC
		1.9:1	1.9:1	1.8:1	1.8:1	1.9:1
15	avg	19.1 FC	14.4 FC	11.8 FC	9.7 FC	7.5 FC
	min	12.2 FC	9 FC	7.6 FC	6.1 FC	4.3 FC
		2:1	2:1	2:1	2:1	2.3:1
12	avg	23.8 FC	17.9 FC	14.8 FC	12.1 FC	9.4 FC
	min	13.3 FC	10.1 FC	8.9 FC	6.7 FC	4.9 FC
		2.4:1	2.3:1	2.1:1	2.4:1	2.6:1
10	avg	27.8 FC	20.9 FC	17.4 FC	14 FC	11 FC
	min	14.4 FC	9.8 FC	10.7 FC	5.5 FC	5 FC
		2.7:1	2.9:1	2.2:1	3.6:1	3.2:1
8	avg	32.8 FC	24.7 FC	20.4 FC	16.7 FC	12.9 FC
	min	17.3 FC	13 FC	11.8 FC	7.7 FC	4.8 FC
		2.8:1	2.8:1	2.5:1	3.5:1	4.5:1

# FIXTURE: VAN17-50 @ 30W

4,407 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	10.5 FC	7.9 FC	6.5 FC	5.3 FC	4 FC
	min	7.6 FC	5.7 FC	4.8 FC	3.6 FC	2.8 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	13.9 FC	10.5 FC	8.6 FC	7 FC	5.4 FC
	min	9.1 FC	6.8 FC	5.8 FC	4.8 FC	3.5 FC
		1.9:1	1.9:1	1.8:1	1.8:1	1.9:1
15	avg	19.3 FC	14.5 FC	12 FC	9.8 FC	7.5 FC
	min	12.4 FC	9.1 FC	7.7 FC	6.2 FC	4.4 FC
		2:1	2:1	1.9:1	2:1	2.2:1
12	avg	24.1 FC	18.1 FC	14.9 FC	12.2 FC	9.4 FC
	min	13.5 FC	10.2 FC	9 FC	6.8 FC	4.9 FC
		2.3:1	2.3:1	2.1:1	2.3:1	2.7:1
10	avg	28.1 FC	21.1 FC	17.5 FC	14.1 FC	11.1 FC
	min	14.5 FC	9.9 FC	10.8 FC	5.5 FC	5 FC
		2.7:1	2.9:1	2.2:1	3.6:1	3.3:1
8	avg	32.9 FC	24.8 FC	20.5 FC	16.8 FC	13 FC
	min	17.3 FC	13 FC	11.8 FC	7.7 FC	4.8 FC
		2.8:1	2.8:1	2.5:1	3.5:1	4.6:1

# FIXTURE: VAN17-50 @ 40W

5,849 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	13.9 FC	10.4 FC	8.6 FC	7 FC	5.4 FC
	min	10.1 FC	7.6 FC	6.3 FC	4.8 FC	3.7 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	18.4 FC	13.8 FC	11.4 FC	9.3 FC	7.1 FC
	min	12 FC	9 FC	7.6 FC	6.3 FC	4.6 FC
		1.9:1	1.9:1	1.8:1	1.8:1	2:1
15	avg	25.6 FC	19.2 FC	15.8 FC	12.9 FC	10 FC
	min	16.4 FC	12 FC	10.2 FC	8.2 FC	5.8 FC
		2:1	2:1	1.9:1	2:1	2.2:1
12	avg	31.8 FC	23.9 FC	19.7 FC	16.1 FC	12.5 FC
	min	17.8 FC	13.5 FC	11.9 FC	9 FC	6.4 FC
		2.3:1	2.3:1	2.1:1	2.3:1	2.7:1
10	avg	37.1 FC	27.8 FC	23.1 FC	18.6 FC	14.6 FC
	min	19.1 FC	13.1 FC	14.3 FC	7.2 FC	6.6 FC
		2.7:1	2.9:1	2.1:1	3.6:1	3.3:1
8	avg	43.5 FC	32.8 FC	27.1 FC	22.1 FC	17.1 FC
	min	22.8 FC	17.1 FC	15.6 FC	10.1 FC	6.3 FC
		2.8:1	2.8:1	2.5:1	3.5:1	4.6:1

FIXTURE: VAN17-50 @ 50W 7,119 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	16.7 FC	12.6 FC	10.3 FC	8.4 FC	6.4 FC
	min	12.1 FC	9.1 FC	7.6 FC	5.8 FC	4.5 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	22.2 FC	16.6 FC	13.7 FC	11.2 FC	8.6 FC
	min	14.5 FC	10.8 FC	9.2 FC	7.6 FC	5.6 FC
		1.9:1	1.9:1	1.8:1	1.8:1	2:1
15	avg	30.8 FC	23.1 FC	19 FC	15.5 FC	12 FC
	min	19.7 FC	14.5 FC	12.3 FC	9.8 FC	6.9 FC
		2:1	2:1	1.9:1	2:1	2.3:1
12	avg	38.3 FC	28.8 FC	23.7 FC	19.4 FC	15 FC
	min	21.4 FC	16.2 FC	14.3 FC	10.8 FC	7.8 FC
		2.4:1	2.3:1	2.1:1	2.3:1	2.6:1
10	avg	44.6 FC	33.5 FC	27.9 FC	22.4 FC	17.6 FC
	min	23 FC	15.7 FC	17.2 FC	8.7 FC	8 FC
		2.7:1	2.9:1	2.2:1	3.6:1	3.3:1
8	avg	52.3 FC	39.5 FC	32.6 FC	26.6 FC	20.6 FC
	min	27.4 FC	20.6 FC	18.8 FC	12.2 FC	7.5 FC
		2.8:1	2.8:1	2.5:1	3.5:1	4.7:1

FIXTURE: VAN17-60 @ 40W 6,098 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	13.6 FC	10.2 FC	8.4 FC	6.8 FC	5.2 FC
	min	9.9 FC	7.4 FC	6.2 FC	4.7 FC	3.6 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	18.1 FC	13.6 FC	11.2 FC	9.1 FC	7 FC
	min	11.8 FC	8.8 FC	7.5 FC	6.2 FC	4.6 FC
		1.9:1	1.9:1	1.8:1	1.8:1	1.9:1
15	avg	25.2 FC	18.9 FC	15.6 FC	12.7 FC	9.8 FC
	min	16.2 FC	11.8 FC	10 FC	8.1 FC	5.8 FC
		2:1	2:1	1.9:1	2:1	2.2:1
12	avg	31.4 FC	23.6 FC	19.5 FC	15.9 FC	12.3 FC
	min	17.6 FC	13.3 FC	11.8 FC	8.9 FC	6.5 FC
		2.4:1	2.3:1	2.1:1	2.3:1	2.6:1
10	avg	36.8 FC	27.6 FC	23 FC	18.4 FC	14.5 FC
	min	19.2 FC	13.1 FC	14.3 FC	7.3 FC	6.7 FC
		2.6:1	2.9:1	2.1:1	3.5:1	3.2:1
8	avg	43.5 FC	32.8 FC	27.1 FC	22.1 FC	17.1 FC
	min	23 FC	17.3 FC	15.7 FC	10.3 FC	6.4 FC
		2.7:1	2.8:1	2.4:1	3.4:1	4.5:1

# FIXTURE: VAN17-60 @ 50W

7,444 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	16.5 FC	12.4 FC	10.2 FC	8.3 FC	6.4 FC
	min	12 FC	9 FC	7.5 FC	5.7 FC	4.4 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	21.9 FC	16.5 FC	13.6 FC	11 FC	8.5 FC
	min	14.4 FC	10.7 FC	9.1 FC	7.5 FC	5.5 FC
		1.9:1	1.9:1	1.8:1	1.8:1	2:1
15	avg	30.6 FC	22.9 FC	18.9 FC	15.4 FC	11.9 FC
	min	19.6 FC	14.3 FC	12.1 FC	9.8 FC	7 FC
		2:1	2:1	1.9:1	2:1	2.2:1
12	avg	38.1 FC	28.7 FC	23.6 FC	19.3 FC	15 FC
	min	21.4 FC	16.2 FC	14.3 FC	10.8 FC	7.9 FC
		2.3:1	2.3:1	2.1:1	2.3:1	2.6:1
10	avg	44.6 FC	33.5 FC	27.8 FC	22.4 FC	17.6 FC
	min	23.2 FC	15.9 FC	17.3 FC	8.8 FC	8.1 FC
		2.6:1	2.9:1	2.1:1	3.5:1	3.2:1
8	avg	52.7 FC	39.8 FC	32.8 FC	26.9 FC	20.7 FC
	min	27.8 FC	21 FC	19.1 FC	12.5 FC	7.8 FC
		2.7:1	2.7:1	2.4:1	3.4:1	4.5:1

# FIXTURE: VAN17-60 @ 60W

8,806 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	19.3 FC	14.5 FC	11.9 FC	9.7 FC	7.4 FC
	min	14 FC	10.5 FC	8.8 FC	6.7 FC	5.2 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	25.6 FC	19.2 FC	15.8 FC	12.9 FC	9.9 FC
	min	16.8 FC	12.5 FC	10.7 FC	8.8 FC	6.5 FC
		1.9:1	1.9:1	1.8:1	1.8:1	1.9:1
15	avg	35.7 FC	26.8 FC	22 FC	18 FC	13.9 FC
	min	22.9 FC	16.7 FC	14.2 FC	11.4 FC	8.2 FC
		2:1	2:1	1.9:1	2:1	2.2:1
12	avg	44.5 FC	33.5 FC	27.6 FC	22.6 FC	17.5 FC
	min	25 FC	18.9 FC	16.7 FC	12.7 FC	9.2 FC
		2.3:1	2.3:1	2.1:1	2.3:1	2.6:1
10	avg	52.2 FC	39.1 FC	32.5 FC	26.1 FC	20.5 FC
	min	27.2 FC	18.6 FC	20.2 FC	10.3 FC	9.5 FC
		2.6:1	2.9:1	2.1:1	3.5:1	3.2:1
8	avg	61.6 FC	46.5 FC	38.4 FC	31.4 FC	24.2 FC
	min	32.5 FC	24.6 FC	22.3 FC	14.6 FC	9.1 FC
		2.7:1	2.7:1	2.4:1	3.4:1	4.5:1

# FIXTURE: VAN17-90 @ 70W

10,396 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	23.9 FC	17.9 FC	14.8 FC	12 FC	9.2 FC
	min	17.4 FC	13 FC	10.9 FC	8.3 FC	6.4 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	31.7 FC	23.8 FC	19.6 FC	16 FC	12.3 FC
	min	20.8 FC	15.5 FC	13.2 FC	10.9 FC	8 FC
		1.9:1	1.9:1	1.8:1	1.8:1	1.9:1
15	avg	44.3 FC	33.2 FC	27.3 FC	22.3 FC	17.2 FC
	min	28.4 FC	20.7 FC	17.6 FC	14.2 FC	10.1 FC
		2:1	2:1	1.9:1	2:1	2.2:1
12	avg	55.2 FC	41.5 FC	34.2 FC	28 FC	21.7 FC
	min	31 FC	23.4 FC	20.7 FC	15.7 FC	11.4 FC
		2.3:1	2.3:1	2.1:1	2.3:1	2.6:1
10	avg	64.7 FC	48.5 FC	40.3 FC	32.4 FC	25.4 FC
	min	33.7 FC	23.1 FC	25.1 FC	12.8 FC	11.8 FC
		2.6:1	2.9:1	2.1:1	3.5:1	3.2:1
8	avg	76.5 FC	57.6 FC	47.6 FC	38.9 FC	30 FC
	min	40.4 FC	30.5 FC	27.7 FC	18.1 FC	11.3 FC
		2.7:1	2.7:1	2.4:1	3.4:1	4.5:1

# FIXTURE: VAN17-90 @ 80W

11,651 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
25	avg	26.6 FC	19.9 FC	16.4 FC	13.3 FC	10.2 FC
	min	19.3 FC	14.4 FC	12.1 FC	9.2 FC	7.1 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	35.3 FC	26.5 FC	21.8 FC	17.8 FC	13.7 FC
	min	23.1 FC	17.2 FC	14.7 FC	12.1 FC	8.9 FC
		1.9:1	1.9:1	1.8:1	1.8:1	1.9:1
15	avg	49.2 FC	36.9 FC	30.4 FC	24.8 FC	19.2 FC
	min	31.5 FC	22.9 FC	19.5 FC	15.7 FC	11.3 FC
		2:1	2.1:1	1.9:1	2:1	2.2:1
12	avg	61.4 FC	46.2 FC	38 FC	31.1 FC	24.1 FC
	min	34.4 FC	26 FC	23 FC	17.5 FC	12.7 FC
		2.3:1	2.3:1	2.1:1	2.3:1	2.6:1
10	avg	71.9 FC	53.9 FC	44.8 FC	36 FC	28.3 FC
	min	37.5 FC	25.7 FC	27.9 FC	14.2 FC	13.1 FC
		2.6:1	2.9:1	2.1:1	3.5:1	3.2:1
8	avg	84.9 FC	64.1 FC	52.9 FC	43.3 FC	33.4 FC
	min	44.9 FC	33.9 FC	30.8 FC	20.1 FC	12.6 FC
		2.7:1	2.7:1	2.4:1	3.4:1	4.4:1

# FIXTURE: VAN17-90 @ 90W

12,929 Lumens

Height (ft)	Spacing (ft)					
	1x6	1x8	1x10	1x12	1x15	
<b>25</b>	avg	29.1 FC	21.8 FC	18 FC	14.6 FC	11.2 FC
	min	21.1 FC	15.8 FC	13.3 FC	10.1 FC	7.8 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
<b>20</b>	avg	38.6 FC	29 FC	23.9 FC	19.5 FC	15 FC
	min	25.3 FC	18.8 FC	16.1 FC	13.3 FC	9.8 FC
		1.9:1	1.9:1	1.8:1	1.8:1	1.9:1
<b>15</b>	avg	53.8 FC	40.4 FC	33.2 FC	27.2 FC	21 FC
	min	34.5 FC	25.1 FC	21.4 FC	17.2 FC	12.3 FC
		2:1	2.1:1	1.9:1	2:1	2.2:1
<b>12</b>	avg	67.2 FC	50.5 FC	41.7 FC	34.1 FC	26.4 FC
	min	37.7 FC	28.5 FC	25.2 FC	19.1 FC	13.9 FC
		2.3:1	2.3:1	2.1:1	2.3:1	2.6:1
<b>10</b>	avg	78.7 FC	59 FC	49.1 FC	39.4 FC	31 FC
	min	41 FC	28.1 FC	30.5 FC	15.6 FC	14.4 FC
		2.6:1	2.9:1	2.1:1	3.5:1	3.2:1
<b>8</b>	avg	93 FC	70.1 FC	57.9 FC	47.4 FC	36.6 FC
	min	49.1 FC	37.1 FC	33.7 FC	22 FC	13.8 FC
		2.7:1	2.7:1	2.4:1	3.4:1	4.4:1



# Multi-Row Canopy Spacing Tables

## VAN17™ Family

Spacing Tables are to be used for quick reference ONLY. The tables provide average and minimum 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: VAN17-30 @ 20W 2,982 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	35.9 FC	20.3 FC	13.9 FC	9.1 FC	5.3 FC
	min	20.5 FC	11.7 FC	8.2 FC	5.1 FC	2.8 FC
		2.4:1	2.4:1	2.3:1	2.5:1	2.6:1
20	avg	42.4 FC	24.1 FC	16.4 FC	10.8 FC	6.3 FC
	min	22.5 FC	12.9 FC	9.1 FC	5.6 FC	3 FC
		2.6:1	2.6:1	2.4:1	2.7:1	3:1
15	avg	50.4 FC	28.8 FC	19.5 FC	13 FC	7.7 FC
	min	24.8 FC	14.2 FC	10.3 FC	6.2 FC	3.1 FC
		2.8:1	2.8:1	2.5:1	2.9:1	3.6:1
12	avg	56.1 FC	32.1 FC	21.9 FC	14.6 FC	8.6 FC
	min	26.6 FC	15.4 FC	11.6 FC	6.7 FC	3.1 FC
		2.8:1	2.8:1	2.4:1	2.9:1	4.1:1
10	avg	60.3 FC	34.6 FC	23.6 FC	15.8 FC	9.4 FC
	min	28.2 FC	16.5 FC	12.8 FC	7.1 FC	3 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.7:1
8	avg	65.1 FC	37.4 FC	25.7 FC	17.1 FC	10.2 FC
	min	30.6 FC	18.1 FC	14.8 FC	7.4 FC	2.6 FC
		2.7:1	2.6:1	2.1:1	3.2:1	6.4:1

-Fixture Calculations in 50' x50' open room (no columns or beams), 50/.01/20 reflectances (0.1 to simulate no walls/open-air). Readings taken at 0'-0" AFF, CCT 5000K.

-Ratios show max:min uniformity

-This information is current as of 4/29/2024.

-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: VAN17-30 @ 25W 3,671 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	44.1 FC	25 FC	17 FC	11.2 FC	6.5 FC
	min	25.2 FC	14.4 FC	10.1 FC	6.3 FC	3.4 FC
		2.4:1	2.4:1	2.3:1	2.4:1	2.7:1
20	avg	52.1 FC	29.6 FC	20.1 FC	13.3 FC	7.7 FC
	min	27.6 FC	15.8 FC	11.1 FC	6.9 FC	3.7 FC
		2.6:1	2.6:1	2.5:1	2.7:1	3:1
15	avg	61.9 FC	35.4 FC	24 FC	16 FC	9.4 FC
	min	30.5 FC	17.5 FC	12.7 FC	7.7 FC	3.9 FC
		2.8:1	2.8:1	2.5:1	2.9:1	3.5:1
12	avg	68.9 FC	39.5 FC	26.9 FC	17.9 FC	10.6 FC
	min	32.7 FC	18.9 FC	14.2 FC	8.3 FC	3.8 FC
		2.8:1	2.8:1	2.4:1	2.9:1	4.1:1
10	avg	74.2 FC	42.6 FC	29 FC	19.4 FC	11.5 FC
	min	34.6 FC	20.2 FC	15.8 FC	8.7 FC	3.7 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.7:1
8	avg	80.1 FC	46 FC	31.5 FC	21.1 FC	12.5 FC
	min	37.6 FC	22.2 FC	18.2 FC	9.1 FC	3.1 FC
		2.7:1	2.6:1	2.1:1	3.2:1	6.6:1

FIXTURE: VAN17-30 @ 30W 4,410 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	52.3 FC	29.7 FC	20.2 FC	13.3 FC	7.7 FC
	min	30 FC	17.1 FC	12 FC	7.5 FC	4.1 FC
		2.4:1	2.4:1	2.3:1	2.4:1	2.7:1
20	avg	61.9 FC	35.2 FC	23.9 FC	15.8 FC	9.2 FC
	min	32.8 FC	18.8 FC	13.2 FC	8.1 FC	4.4 FC
		2.6:1	2.6:1	2.5:1	2.7:1	3:1
15	avg	73.6 FC	42 FC	28.5 FC	19 FC	11.2 FC
	min	36.2 FC	20.8 FC	15.1 FC	9.1 FC	4.6 FC
		2.8:1	2.8:1	2.5:1	2.9:1	3.5:1
12	avg	81.9 FC	46.9 FC	31.9 FC	21.3 FC	12.6 FC
	min	38.9 FC	22.5 FC	16.9 FC	9.8 FC	4.5 FC
		2.8:1	2.8:1	2.4:1	2.9:1	4.1:1
10	avg	88.1 FC	50.6 FC	34.5 FC	23.1 FC	13.7 FC
	min	41.2 FC	24 FC	18.7 FC	10.4 FC	4.3 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.8:1
8	avg	95.2 FC	54.7 FC	37.5 FC	25 FC	14.8 FC
	min	44.7 FC	26.4 FC	21.6 FC	10.8 FC	3.7 FC
		2.7:1	2.6:1	2.1:1	3.2:1	6.5:1

FIXTURE: VAN17-50 @ 30W 4,407 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	52.8 FC	29.9 FC	20.4 FC	13.4 FC	7.7 FC
	min	30 FC	17.1 FC	12 FC	7.5 FC	4.1 FC
		2.4:1	2.4:1	2.3:1	2.5:1	2.7:1
20	avg	62.2 FC	35.4 FC	24 FC	15.9 FC	9.2 FC
	min	32.7 FC	18.7 FC	13.2 FC	8.1 FC	4.4 FC
		2.6:1	2.6:1	2.5:1	2.8:1	3.1:1
15	avg	73.7 FC	42.1 FC	28.6 FC	19 FC	11.2 FC
	min	36 FC	20.7 FC	15 FC	9.1 FC	4.6 FC
		2.8:1	2.8:1	2.5:1	2.9:1	3.5:1
12	avg	81.8 FC	46.9 FC	31.9 FC	21.3 FC	12.6 FC
	min	38.6 FC	22.3 FC	16.8 FC	9.8 FC	4.5 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4.1:1
10	avg	87.9 FC	50.5 FC	34.5 FC	23 FC	13.7 FC
	min	40.8 FC	23.9 FC	18.7 FC	10.4 FC	4.3 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.8:1
8	avg	94.8 FC	54.4 FC	37.4 FC	24.9 FC	14.8 FC
	min	44.3 FC	26.4 FC	21.7 FC	10.7 FC	3.6 FC
		2.7:1	2.6:1	2.1:1	3.2:1	6.7:1

FIXTURE: VAN17-50 @ 40W 5,849 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	69.7 FC	39.5 FC	26.9 FC	17.7 FC	10.2 FC
	min	39.6 FC	22.6 FC	15.8 FC	9.9 FC	5.4 FC
		2.4:1	2.4:1	2.3:1	2.5:1	2.7:1
20	avg	82.2 FC	46.7 FC	31.8 FC	21 FC	12.2 FC
	min	43.2 FC	24.7 FC	17.4 FC	10.7 FC	5.8 FC
		2.6:1	2.6:1	2.5:1	2.8:1	3.1:1
15	avg	97.4 FC	55.6 FC	37.8 FC	25.1 FC	14.9 FC
	min	47.5 FC	27.3 FC	19.8 FC	12 FC	6.1 FC
		2.8:1	2.8:1	2.5:1	2.9:1	3.5:1
12	avg	108.1 FC	62 FC	42.1 FC	28.1 FC	16.7 FC
	min	50.9 FC	29.5 FC	22.2 FC	13 FC	5.9 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4.1:1
10	avg	116.1 FC	66.7 FC	45.5 FC	30.4 FC	18.1 FC
	min	53.9 FC	31.6 FC	24.8 FC	13.7 FC	5.6 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.8:1
8	avg	125.2 FC	71.9 FC	49.4 FC	32.9 FC	19.5 FC
	min	58.6 FC	34.8 FC	28.7 FC	14.1 FC	4.8 FC
		2.7:1	2.6:1	2.1:1	3.2:1	6.7:1

FIXTURE: VAN17-50 @ 50W 7,119 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	83.9 FC	47.6 FC	32.4 FC	21.3 FC	12.3 FC
	min	47.7 FC	27.2 FC	19 FC	11.9 FC	6.5 FC
		2.4:1	2.4:1	2.3:1	2.5:1	2.7:1
20	avg	98.9 FC	56.2 FC	38.2 FC	25.3 FC	14.7 FC
	min	52 FC	29.8 FC	21 FC	12.9 FC	6.9 FC
		2.6:1	2.6:1	2.5:1	2.8:1	3.1:1
15	avg	117.2 FC	67 FC	45.5 FC	30.3 FC	17.9 FC
	min	57.2 FC	32.9 FC	23.9 FC	14.4 FC	7.3 FC
		2.8:1	2.8:1	2.5:1	2.9:1	3.6:1
12	avg	130.1 FC	74.5 FC	50.7 FC	33.9 FC	20.1 FC
	min	61.3 FC	35.4 FC	26.7 FC	15.6 FC	7.1 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4.1:1
10	avg	139.7 FC	80.2 FC	54.7 FC	36.6 FC	21.8 FC
	min	64.9 FC	38 FC	29.8 FC	16.5 FC	6.8 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.8:1
8	avg	150.6 FC	86.5 FC	59.4 FC	39.6 FC	23.5 FC
	min	70.5 FC	41.9 FC	34.6 FC	17 FC	5.8 FC
		2.7:1	2.6:1	2.1:1	3.2:1	6.7:1

FIXTURE: VAN17-60 @ 40W 6,098 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	69.1 FC	39.2 FC	26.7 FC	17.6 FC	10.1 FC
	min	39.9 FC	22.7 FC	15.8 FC	9.9 FC	5.4 FC
		2.4:1	2.4:1	2.3:1	2.4:1	2.7:1
20	avg	81.8 FC	46.6 FC	31.7 FC	21 FC	12.1 FC
	min	43.4 FC	24.9 FC	17.5 FC	10.8 FC	5.8 FC
		2.6:1	2.6:1	2.5:1	2.7:1	3:1
15	avg	97.2 FC	55.8 FC	37.8 FC	25.2 FC	14.9 FC
	min	47.8 FC	27.5 FC	19.9 FC	12 FC	6.1 FC
		2.8:1	2.8:1	2.5:1	2.9:1	3.5:1
12	avg	108.1 FC	62.2 FC	42.3 FC	28.3 FC	16.8 FC
	min	51.2 FC	29.6 FC	22.2 FC	13 FC	6 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4.1:1
10	avg	116.3 FC	67.1 FC	45.7 FC	30.6 FC	18.2 FC
	min	54.3 FC	31.7 FC	24.7 FC	13.8 FC	5.8 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.7:1
8	avg	125.4 FC	72.5 FC	49.7 FC	33.2 FC	19.7 FC
	min	58.8 FC	35 FC	28.6 FC	14.3 FC	5 FC
		2.7:1	2.7:1	2.1:1	3.2:1	6.4:1

# FIXTURE: VAN17-60 @ 50W

7,444 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	83.8 FC	47.6 FC	32.4 FC	21.3 FC	12.3 FC
	min	48.3 FC	27.6 FC	19.2 FC	12 FC	6.6 FC
		2.4:1	2.4:1	2.3:1	2.4:1	2.6:1
20	avg	99.1 FC	56.5 FC	38.4 FC	25.4 FC	14.7 FC
	min	52.7 FC	30.1 FC	21.2 FC	13.1 FC	7 FC
		2.6:1	2.6:1	2.5:1	2.7:1	3.1:1
15	avg	117.8 FC	67.6 FC	45.9 FC	30.5 FC	18 FC
	min	58 FC	33.3 FC	24.1 FC	14.6 FC	7.5 FC
		2.8:1	2.8:1	2.5:1	2.9:1	3.5:1
12	avg	131 FC	75.4 FC	51.3 FC	34.3 FC	20.3 FC
	min	62 FC	35.9 FC	26.9 FC	15.8 FC	7.3 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4:1
10	avg	141 FC	81.3 FC	55.4 FC	37.1 FC	22.1 FC
	min	65.8 FC	38.5 FC	29.9 FC	16.7 FC	7 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.7:1
8	avg	152 FC	87.9 FC	60.2 FC	40.2 FC	23.9 FC
	min	71.2 FC	42.4 FC	34.7 FC	17.4 FC	6.1 FC
		2.7:1	2.7:1	2.1:1	3.2:1	6.3:1

# FIXTURE: VAN17-60 @ 60W

8,806 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	97.9 FC	55.6 FC	37.9 FC	24.9 FC	14.4 FC
	min	56.4 FC	32.2 FC	22.4 FC	14 FC	7.7 FC
		2.4:1	2.4:1	2.3:1	2.5:1	2.7:1
20	avg	115.8 FC	66 FC	44.9 FC	29.7 FC	17.2 FC
	min	61.5 FC	35.2 FC	24.7 FC	15.3 FC	8.2 FC
		2.6:1	2.6:1	2.5:1	2.7:1	3.1:1
15	avg	137.6 FC	79 FC	53.6 FC	35.7 FC	21.1 FC
	min	67.7 FC	38.9 FC	28.1 FC	17 FC	8.7 FC
		2.8:1	2.8:1	2.6:1	2.9:1	3.5:1
12	avg	153.1 FC	88.1 FC	59.9 FC	40 FC	23.7 FC
	min	72.5 FC	41.9 FC	31.4 FC	18.4 FC	8.5 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4.1:1
10	avg	164.7 FC	95 FC	64.8 FC	43.4 FC	25.8 FC
	min	76.9 FC	44.9 FC	35 FC	19.5 FC	8.2 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.7:1
8	avg	177.6 FC	102.7 FC	70.4 FC	47 FC	27.9 FC
	min	83.3 FC	49.5 FC	40.5 FC	20.3 FC	7.1 FC
		2.7:1	2.7:1	2.1:1	3.2:1	6.4:1

# FIXTURE: VAN17-90 @ 70W

10,396 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	121.5 FC	69 FC	47 FC	30.9 FC	17.8 FC
	min	70.1 FC	40 FC	27.8 FC	17.4 FC	9.6 FC
		2.4:1	2.4:1	2.3:1	2.4:1	2.6:1
20	avg	143.7 FC	81.9 FC	55.7 FC	36.8 FC	21.4 FC
	min	76.4 FC	43.7 FC	30.7 FC	19 FC	10.2 FC
		2.6:1	2.6:1	2.5:1	2.7:1	3:1
15	avg	170.8 FC	98 FC	66.5 FC	44.3 FC	26.2 FC
	min	84.1 FC	48.3 FC	34.9 FC	21.1 FC	10.8 FC
		2.8:1	2.8:1	2.6:1	2.9:1	3.5:1
12	avg	190 FC	109.4 FC	74.4 FC	49.7 FC	29.5 FC
	min	90 FC	52 FC	39 FC	22.9 FC	10.6 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4:1
10	avg	204.5 FC	117.9 FC	80.4 FC	53.8 FC	32 FC
	min	95.4 FC	55.8 FC	43.4 FC	24.3 FC	10.2 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.7:1
8	avg	220.5 FC	127.4 FC	87.4 FC	58.4 FC	34.6 FC
	min	103.2 FC	61.5 FC	50.2 FC	25.2 FC	8.8 FC
		2.7:1	2.7:1	2.1:1	3.2:1	6.4:1

# FIXTURE: VAN17-90 @ 80W

11,651 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	135 FC	76.6 FC	52.2 FC	34.3 FC	19.8 FC
	min	77.9 FC	44.4 FC	30.9 FC	19.3 FC	10.6 FC
		2.4:1	2.4:1	2.3:1	2.5:1	2.7:1
20	avg	159.7 FC	91 FC	61.9 FC	40.9 FC	23.7 FC
	min	84.8 FC	48.6 FC	34.1 FC	21.1 FC	11.4 FC
		2.6:1	2.6:1	2.5:1	2.7:1	3:1
15	avg	189.8 FC	108.9 FC	73.9 FC	49.2 FC	29.1 FC
	min	93.4 FC	53.7 FC	38.7 FC	23.5 FC	12 FC
		2.8:1	2.8:1	2.6:1	2.9:1	3.5:1
12	avg	211.1 FC	121.6 FC	82.6 FC	55.2 FC	32.7 FC
	min	99.9 FC	57.8 FC	43.3 FC	25.4 FC	11.8 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4:1
10	avg	227.1 FC	131 FC	89.3 FC	59.8 FC	35.5 FC
	min	106 FC	62 FC	48.2 FC	27 FC	11.3 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.7:1
8	avg	244.9 FC	141.6 FC	97.1 FC	64.8 FC	38.4 FC
	min	114.7 FC	68.3 FC	55.8 FC	28 FC	9.8 FC
		2.7:1	2.7:1	2.1:1	3.2:1	6.3:1

# FIXTURE: VAN17-90 @ 90W

12,929 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
<b>25</b>	avg	147.8 FC	83.9 FC	57.2 FC	37.6 FC	21.7 FC
	min	85.2 FC	48.7 FC	33.8 FC	21.1 FC	11.6 FC
		2.4:1	2.4:1	2.3:1	2.5:1	2.7:1
<b>20</b>	avg	174.9 FC	99.7 FC	67.7 FC	44.8 FC	26 FC
	min	92.9 FC	53.2 FC	37.3 FC	23.1 FC	12.4 FC
		2.6:1	2.6:1	2.5:1	2.7:1	3:1
<b>15</b>	avg	207.8 FC	119.2 FC	80.9 FC	53.9 FC	31.8 FC
	min	102.3 FC	58.8 FC	42.4 FC	25.7 FC	13.2 FC
		2.8:1	2.8:1	2.6:1	2.9:1	3.5:1
<b>12</b>	avg	231.2 FC	133.1 FC	90.5 FC	60.4 FC	35.8 FC
	min	109.4 FC	63.3 FC	47.4 FC	27.8 FC	12.9 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4:1
<b>10</b>	avg	248.7 FC	143.5 FC	97.8 FC	65.5 FC	38.9 FC
	min	116.1 FC	67.8 FC	52.7 FC	29.5 FC	12.4 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.7:1
<b>8</b>	avg	268.2 FC	155 FC	106.3 FC	71 FC	42.1 FC
	min	125.6 FC	74.8 FC	61.1 FC	30.7 FC	10.7 FC
		2.7:1	2.7:1	2.1:1	3.2:1	6.4:1