



Single-Row Canopy Spacing Tables

VAN1LED™ 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: VAN1LED6W

872 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	1.8 FC	1.4 FC	1.1 FC	0.9 FC	0.7 FC
	min	1.3 FC	1 FC	0.8 FC	0.6 FC	0.5 FC
		1.7:1	1.6:1	1.6:1	1.8:1	1.8:1
20	avg	2.4 FC	1.8 FC	1.5 FC	1.2 FC	0.9 FC
	min	1.6 FC	1.2 FC	1 FC	0.7 FC	0.6 FC
		1.9:1	1.8:1	1.8:1	2.1:1	2:1
15	avg	3.3 FC	2.5 FC	2 FC	1.6 FC	1.3 FC
	min	2 FC	1.5 FC	1.4 FC	0.9 FC	0.7 FC
		2.2:1	2.1:1	1.9:1	2.3:1	2.4:1
12	avg	4.1 FC	3.1 FC	2.5 FC	2.1 FC	1.6 FC
	min	2.3 FC	1.7 FC	1.5 FC	1.1 FC	0.8 FC
		2.4:1	2.4:1	2.2:1	2.6:1	2.9:1
10	avg	4.8 FC	3.6 FC	3 FC	2.4 FC	1.9 FC
	min	2.7 FC	2.1 FC	1.8 FC	0.9 FC	0.8 FC
		2.5:1	2.4:1	2.2:1	3.9:1	3.6:1
8	avg	5.7 FC	4.3 FC	3.5 FC	2.9 FC	2.2 FC
	min	3 FC	2.2 FC	2 FC	1.3 FC	0.8 FC
		2.8:1	2.9:1	2.6:1	3.6:1	4.8:1

-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 across full room length with 8' width, at 0'-0" AFF, CCT 5000K.

-Ratios show max:min uniformity

-This information is current as of 11/4/2022.

-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: VAN1LED-12W

1,570 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	3.3 FC	2.5 FC	2 FC	1.6 FC	1.3 FC
	min	2.4 FC	1.8 FC	1.5 FC	1.1 FC	0.9 FC
		1.7:1	1.7:1	1.7:1	1.8:1	1.8:1
20	avg	4.4 FC	3.3 FC	2.7 FC	2.2 FC	1.7 FC
	min	2.8 FC	2.1 FC	1.8 FC	1.3 FC	1.1 FC
		2:1	2:1	1.8:1	2.1:1	2:1
15	avg	6 FC	4.5 FC	3.7 FC	3 FC	2.3 FC
	min	3.6 FC	2.7 FC	2.5 FC	1.6 FC	1.3 FC
		2.2:1	2.2:1	1.9:1	2.4:1	2.5:1
12	avg	7.5 FC	5.6 FC	4.6 FC	3.8 FC	2.9 FC
	min	4.2 FC	3.1 FC	2.8 FC	2.1 FC	1.5 FC
		2.4:1	2.5:1	2.2:1	2.4:1	2.8:1
10	avg	8.8 FC	6.6 FC	5.4 FC	4.4 FC	3.4 FC
	min	5 FC	3.7 FC	3.3 FC	1.7 FC	1.5 FC
		2.5:1	2.5:1	2.2:1	3.8:1	3.5:1
8	avg	10.3 FC	7.7 FC	6.4 FC	5.2 FC	4 FC
	min	5.4 FC	4.1 FC	3.7 FC	2.3 FC	1.5 FC
		2.9:1	2.9:1	2.5:1	3.8:1	4.7:1



Multi-Row Canopy Spacing Tables

VAN1LED™ Family

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FIXTURE: VAN1LED6W

872 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	8.9 FC	5 FC	3.4 FC	2.2 FC	1.3 FC
	min	5.2 FC	2.9 FC	2.1 FC	1.3 FC	0.7 FC
		2.3:1	2.3:1	2.1:1	2.3:1	2.6:1
20	avg	10.6 FC	6 FC	4.1 FC	2.6 FC	1.6 FC
	min	5.7 FC	3.3 FC	2.3 FC	1.4 FC	0.8 FC
		2.5:1	2.5:1	2.4:1	2.6:1	2.8:1
15	avg	12.8 FC	7.2 FC	4.9 FC	3.2 FC	1.9 FC
	min	6.4 FC	3.7 FC	2.7 FC	1.5 FC	0.8 FC
		2.7:1	2.7:1	2.4:1	2.9:1	3.5:1
12	avg	14.3 FC	8.2 FC	5.5 FC	3.7 FC	2.2 FC
	min	6.9 FC	4 FC	3 FC	1.7 FC	0.8 FC
		2.8:1	2.8:1	2.4:1	2.9:1	4:1
10	avg	15.5 FC	8.9 FC	6 FC	4 FC	2.4 FC
	min	7.3 FC	4.3 FC	3.3 FC	1.7 FC	0.8 FC
		2.8:1	2.7:1	2.3:1	3.2:1	4.5:1
8	avg	16.9 FC	9.6 FC	6.6 FC	4.4 FC	2.6 FC
	min	7.9 FC	4.7 FC	3.8 FC	1.8 FC	0.7 FC
		2.8:1	2.6:1	2.1:1	3.5:1	6.1:1

-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.

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FIXTURE: VAN1LED-12W

1,570 Lumens

Height (ft)	Spacing (ft)					
	6x6	8x8	10x10	12x12	15x15	
25	avg	16.3 FC	9.1 FC	6.2 FC	4 FC	2.4 FC
	min	9.4 FC	5.3 FC	3.7 FC	2.3 FC	1.3 FC
		2.3:1	2.3:1	2.2:1	2.4:1	2.5:1
20	avg	19.3 FC	10.9 FC	7.4 FC	4.8 FC	2.9 FC
	min	10.4 FC	6 FC	4.2 FC	2.5 FC	1.4 FC
		2.5:1	2.5:1	2.3:1	2.6:1	2.9:1
15	avg	23.2 FC	13.2 FC	8.9 FC	5.8 FC	3.5 FC
	min	11.6 FC	6.7 FC	4.9 FC	2.8 FC	1.5 FC
		2.7:1	2.7:1	2.4:1	2.8:1	3.4:1
12	avg	26.1 FC	14.8 FC	10.1 FC	6.6 FC	3.9 FC
	min	12.5 FC	7.3 FC	5.5 FC	3 FC	1.4 FC
		2.8:1	2.7:1	2.4:1	3:1	4.2:1
10	avg	28.2 FC	16.1 FC	10.9 FC	7.2 FC	4.3 FC
	min	13.3 FC	7.8 FC	6.1 FC	3.1 FC	1.4 FC
		2.8:1	2.7:1	2.3:1	3.2:1	4.8:1
8	avg	30.6 FC	17.5 FC	11.9 FC	7.9 FC	4.7 FC
	min	14.4 FC	8.6 FC	7 FC	3.2 FC	1.2 FC
		2.8:1	2.6:1	2.1:1	3.6:1	6.6:1