



Garage Spacing Tables

PORTO™ 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: PRT30

3,832 Lumens

Height (ft)	Spacing (ft)							
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	
18	avg	17.7 FC	8 FC	5.3 FC	3.4 FC	3 FC	1.9 FC	1.6 FC
	min	8.9 FC	3.9 FC	3.1 FC	1.8 FC	1.9 FC	1.1 FC	1.2 FC
		2.9:1	3:1	2.2:1	2.4:1	1.8:1	2.2:1	1.6:1
15	avg	19.2 FC	8.6 FC	5.7 FC	3.6 FC	3.2 FC	2 FC	1.7 FC
	min	8.8 FC	3.6 FC	3.1 FC	1.9 FC	2.1 FC	1.3 FC	1.2 FC
		3.2:1	3.5:1	2.3:1	2.5:1	1.7:1	2:1	1.7:1
12	avg	20.8 FC	9.3 FC	6.1 FC	3.9 FC	3.4 FC	2.2 FC	1.9 FC
	min	8.5 FC	3.6 FC	3.3 FC	2 FC	2.5 FC	1.4 FC	1.4 FC
		3.5:1	3.6:1	2.3:1	2.6:1	1.5:1	2:1	1.7:1
10	avg	21.9 FC	9.8 FC	6.5 FC	4.1 FC	3.5 FC	2.4 FC	2 FC
	min	8.2 FC	3.4 FC	3.6 FC	2.2 FC	3.1 FC	1.5 FC	1.3 FC
		3.7:1	4:1	2.2:1	2.4:1	1.3:1	1.9:1	2.5:1
8	avg	23.1 FC	10.3 FC	6.8 FC	4.4 FC	3.7 FC	2.5 FC	2.2 FC
	min	7.5 FC	3.1 FC	4 FC	2.1 FC	2.8 FC	1.2 FC	0.8 FC
		4.1:1	4.6:1	2.1:1	2.6:1	1.7:1	3.1:1	5.4:1

-Fixture Calculations in 100' x 100' open room (no ramps, columns or beams), 30/30/20 reflectances, readings taken at 0'-0" AFF, CCT 5000K

-Ratios show max:min uniformity

-This information is current as of 7/8/2022.

-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: PRT42

5,171 Lumens

Height (ft)	Spacing (ft)							
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	
18	avg	23.7 FC	10.7 FC	7.1 FC	4.5 FC	4 FC	2.5 FC	2.2 FC
	min	12 FC	5.2 FC	4.1 FC	2.5 FC	2.5 FC	1.5 FC	1.6 FC
		2.9:1	3:1	2.3:1	2.4:1	1.8:1	2.1:1	1.6:1
15	avg	25.7 FC	11.6 FC	7.6 FC	4.9 FC	4.3 FC	2.7 FC	2.3 FC
	min	11.9 FC	4.9 FC	4.2 FC	2.5 FC	2.8 FC	1.7 FC	1.6 FC
		3.1:1	3.5:1	2.3:1	2.5:1	1.7:1	2:1	1.7:1
12	avg	27.8 FC	12.5 FC	8.2 FC	5.2 FC	4.5 FC	3 FC	2.6 FC
	min	11.5 FC	4.8 FC	4.5 FC	2.7 FC	3.3 FC	1.9 FC	1.9 FC
		3.4:1	3.7:1	2.3:1	2.5:1	1.5:1	1.9:1	1.7:1
10	avg	29.4 FC	13.2 FC	8.7 FC	5.6 FC	4.7 FC	3.2 FC	2.7 FC
	min	11.1 FC	4.6 FC	4.8 FC	2.9 FC	4.2 FC	2 FC	1.7 FC
		3.7:1	3.9:1	2.2:1	2.4:1	1.2:1	1.8:1	2.5:1
8	avg	30.9 FC	13.9 FC	9.2 FC	5.9 FC	5 FC	3.4 FC	3 FC
	min	10.1 FC	4.2 FC	5.3 FC	2.8 FC	3.8 FC	1.6 FC	1.1 FC
		4.1:1	4.5:1	2.1:1	2.6:1	1.8:1	3.1:1	5.3:1

FIXTURE: PRT55

6,352 Lumens

Height (ft)	Spacing (ft)							
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	
18	avg	29.2 FC	13.2 FC	8.7 FC	5.6 FC	4.9 FC	3.1 FC	2.7 FC
	min	14.8 FC	6.4 FC	5.1 FC	3 FC	3.1 FC	1.9 FC	2 FC
		2.9:1	3:1	2.2:1	2.4:1	1.8:1	2.1:1	1.6:1
15	avg	31.7 FC	14.3 FC	9.4 FC	6 FC	5.3 FC	3.3 FC	2.9 FC
	min	14.6 FC	6 FC	5.2 FC	3.1 FC	3.5 FC	2.1 FC	1.9 FC
		3.1:1	3.5:1	2.3:1	2.5:1	1.7:1	2.1:1	1.8:1
12	avg	34.3 FC	15.4 FC	10.1 FC	6.5 FC	5.6 FC	3.7 FC	3.1 FC
	min	14.1 FC	5.9 FC	5.5 FC	3.4 FC	4 FC	2.4 FC	2.3 FC
		3.4:1	3.7:1	2.3:1	2.5:1	1.6:1	1.9:1	1.7:1
10	avg	36.2 FC	16.2 FC	10.7 FC	6.9 FC	5.9 FC	3.9 FC	3.4 FC
	min	13.6 FC	5.6 FC	5.9 FC	3.6 FC	5.2 FC	2.4 FC	2.1 FC
		3.7:1	4:1	2.2:1	2.5:1	1.2:1	1.9:1	2.5:1
8	avg	38.2 FC	17.1 FC	11.3 FC	7.3 FC	6.1 FC	4.2 FC	3.6 FC
	min	12.4 FC	5.1 FC	6.6 FC	3.4 FC	4.7 FC	2 FC	1.3 FC
		4.1:1	4.6:1	2.1:1	2.7:1	1.8:1	3.2:1	5.6:1

FIXTURE: PRT70

9,161 Lumens

Height (ft)	Spacing (ft)							
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	
18	avg	42 FC	19.1 FC	12.6 FC	8 FC	7.1 FC	4.5 FC	3.9 FC
	min	21.3 FC	9.3 FC	7.4 FC	4.4 FC	5 FC	2.7 FC	3 FC
		2.8:1	2.9:1	2.2:1	2.3:1	1.6:1	2:1	1.4:1
15	avg	45.6 FC	20.6 FC	13.6 FC	8.6 FC	7.6 FC	4.8 FC	4.2 FC
	min	21 FC	8.6 FC	7.6 FC	4.5 FC	5.8 FC	2.9 FC	3.5 FC
		3.1:1	3.5:1	2.3:1	2.4:1	1.4:1	2:1	1.3:1
12	avg	49.3 FC	22.3 FC	14.6 FC	9.4 FC	8.1 FC	5.3 FC	4.6 FC
	min	20.4 FC	8.6 FC	8 FC	4.8 FC	7 FC	3.3 FC	3.6 FC
		3.4:1	3.6:1	2.3:1	2.4:1	1.2:1	1.9:1	1.6:1
10	avg	52.1 FC	23.5 FC	15.4 FC	9.9 FC	8.5 FC	5.7 FC	4.9 FC
	min	19.6 FC	8.1 FC	8.5 FC	5 FC	7.8 FC	3.3 FC	3 FC
		3.7:1	4:1	2.2:1	2.4:1	1.2:1	2.1:1	2.5:1
8	avg	54.9 FC	24.8 FC	16.4 FC	10.6 FC	8.9 FC	6 FC	5.3 FC
	min	17.9 FC	7.3 FC	9.2 FC	4.8 FC	6.5 FC	2.8 FC	2 FC
		4.1:1	4.5:1	2.1:1	2.6:1	2.1:1	3.5:1	5.3:1

FIXTURE: PRT80

10,247 Lumens

Height (ft)	Spacing (ft)							
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	
18	avg	46.9 FC	21.3 FC	14 FC	9 FC	7.9 FC	5 FC	4.4 FC
	min	23.8 FC	10.4 FC	8.2 FC	4.9 FC	5.6 FC	3 FC	3.3 FC
		2.8:1	2.9:1	2.2:1	2.4:1	1.6:1	2.1:1	1.5:1
15	avg	50.9 FC	23 FC	15.2 FC	9.7 FC	8.5 FC	5.4 FC	4.6 FC
	min	23.5 FC	9.6 FC	8.5 FC	5 FC	6.4 FC	3.3 FC	4 FC
		3.1:1	3.5:1	2.3:1	2.5:1	1.4:1	2:1	1.3:1
12	avg	55.1 FC	24.9 FC	16.4 FC	10.5 FC	9 FC	5.9 FC	5.1 FC
	min	22.8 FC	9.6 FC	8.9 FC	5.3 FC	7.9 FC	3.7 FC	4.1 FC
		3.4:1	3.6:1	2.3:1	2.4:1	1.2:1	1.9:1	1.6:1
10	avg	58.2 FC	26.2 FC	17.3 FC	11.1 FC	9.5 FC	6.3 FC	5.5 FC
	min	21.9 FC	9.1 FC	9.5 FC	5.6 FC	8.7 FC	3.7 FC	3.3 FC
		3.7:1	4:1	2.2:1	2.5:1	1.2:1	2.1:1	2.6:1
8	avg	61.4 FC	27.7 FC	18.3 FC	11.8 FC	10 FC	6.7 FC	5.9 FC
	min	20 FC	8.1 FC	10.3 FC	5.3 FC	7.3 FC	3.2 FC	2.2 FC
		4.1:1	4.6:1	2.1:1	2.7:1	2:1	3.4:1	5.3:1

FIXTURE: PRT105

11,802 Lumens

Height (ft)	Spacing (ft)							
	10x10	15x15	20x20	25x25	30x30	35x35	40x40	
18	avg	53.5 FC	24.3 FC	16 FC	10.2 FC	9 FC	5.7 FC	5 FC
	min	27.5 FC	12 FC	9.5 FC	5.6 FC	6.5 FC	3.5 FC	3.8 FC
		2.8:1	2.9:1	2.2:1	2.3:1	1.6:1	2:1	1.5:1
15	avg	58.1 FC	26.3 FC	17.3 FC	11 FC	9.7 FC	6.1 FC	5.3 FC
	min	27.3 FC	11.3 FC	9.9 FC	5.8 FC	7.4 FC	3.8 FC	4.5 FC
		3:1	3.4:1	2.2:1	2.4:1	1.4:1	2:1	1.3:1
12	avg	63 FC	28.6 FC	18.7 FC	12 FC	10.4 FC	6.8 FC	5.8 FC
	min	26.4 FC	11.1 FC	10.3 FC	6.1 FC	9 FC	4.2 FC	4.7 FC
		3.4:1	3.6:1	2.3:1	2.4:1	1.2:1	1.9:1	1.6:1
10	avg	66.7 FC	30.1 FC	19.8 FC	12.7 FC	10.9 FC	7.2 FC	6.3 FC
	min	25.5 FC	10.5 FC	10.9 FC	6.4 FC	10 FC	4.3 FC	3.9 FC
		3.6:1	3.9:1	2.2:1	2.5:1	1.2:1	2.1:1	2.5:1
8	avg	70.3 FC	31.8 FC	20.9 FC	13.5 FC	11.4 FC	7.7 FC	6.7 FC
	min	23.3 FC	9.5 FC	11.8 FC	6.1 FC	8.5 FC	3.7 FC	2.7 FC
		4.1:1	4.5:1	2.1:1	2.7:1	2:1	3.4:1	4.9:1