Single-Row Canopy Spacing Tables

MASI® 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: MASI16-52W/D10 6,782 Lumens



		Spacing (ft)				
Height (ft)		**1x6**	**1x8**	**1x10**	**1x12**	**1x15**
25	avg	16.6 FC	12.5 FC	10.3 FC	8.4 FC	6.4 FC
	min	12 FC	9 FC	7.5 FC	5.7 FC	4.4 FC
		1.7:1	1.7:1	1.7:1	1.8:1	1.8:1
20	avg	21.9 FC	16.5 FC	13.5 FC	11 FC	8.5 FC
	min	15 FC	10.6 FC	9 FC	6.6 FC	5.4 FC
		1.8:1	2:1	1.9:1	2.1:1	2:1
15	avg	30.2 FC	22.7 FC	18.7 FC	15.2 FC	11.8 FC
	min	19.2 FC	14.4 FC	12.4 FC	8.2 FC	6.7 FC
		2:1	2:1	1.9:1	2.4:1	2.4:1
12	avg	37.4 FC	28.2 FC	23.2 FC	19 FC	14.6 FC
	min	20.6 FC	15.6 FC	13.8 FC	10.3 FC	7.4 FC
		2.4:1	2.4:1	2.2:1	2.5:1	2.8:1
10	avg	43.6 FC	32.8 FC	27.1 FC	22.2 FC	17.1 FC
	min	22.4 FC	17.1 FC	16.6 FC	11.2 FC	7.7 FC
		2.7:1	2.7:1	2.2:1	2.9:1	3.4:1
8	avg	51.2 FC	38.6 FC	31.8 FC	26.1 FC	20.1 FC
	min	26.8 FC	20.1 FC	18.2 FC	11.7 FC	7.4 FC
		2.8:1	2.9:1	2.5:1	3.7:1	4.7:1

-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: MASI16-80W/D10

12,207 Lumens



Height (ft)		Spacing (ft) 1x6	1x8	1x10	1x12	1x15
25	avg	29.8 FC	22.4 FC	18.5 FC	15 FC	11.5 FC
	min	21.5 FC	16.1 FC	13.6 FC	10.3 FC	7.9 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	39.4 FC	29.5 FC	24.3 FC	19.8 FC	15.3 FC
	min	26.9 FC	19.1 FC	16.2 FC	11.9 FC	9.8 FC
		1.8:1	1.9:1	1.9:1	2.1:1	2:1
15	avg	54.3 FC	40.8 FC	33.6 FC	27.3 FC	21.1 FC
	min	34.6 FC	25.9 FC	22.3 FC	14.7 FC	12 FC
		2:1	2:1	1.9:1	2.4:1	2.4:1
12	avg	67.2 FC	50.6 FC	41.7 FC	34.1 FC	26.3 FC
	min	37.1 FC	28.1 FC	24.8 FC	18.6 FC	13.3 FC
		2.4:1	2.4:1	2.2:1	2.5:1	2.8:1
10	avg	78.3 FC	58.9 FC	48.8 FC	39.9 FC	30.7 FC
	min	40.2 FC	30.7 FC	29.9 FC	20.2 FC	13.8 FC
		2.7:1	2.7:1	2.2:1	2.8:1	3.4:1
8	avg	92 FC	69.5 FC	57.2 FC	46.9 FC	36.1 FC
	min	48.1 FC	36.2 FC	32.8 FC	21 FC	13.4 FC
		2.9:1	2.9:1	2.5:1	3.7:1	4.6:1

FIXTURE: MASI16-100W/D10

16,344 Lumens



Height (ft)		Spacing (ft) 1x6	1x8	1x10	1x12	1x15
25	avg	37.5 FC	28.2 FC	23.2 FC	18.8 FC	14.4 FC
	min	27 FC	20.3 FC	17 FC	12.9 FC	9.9 FC
		1.7:1	1.7:1	1.7:1	1.8:1	1.8:1
20	avg	49.5 FC	37.2 FC	30.6 FC	24.9 FC	19.2 FC
	min	33.9 FC	24 FC	20.4 FC	15 FC	12.3 FC
		1.8:1	2:1	1.9:1	2.1:1	2:1
15	avg	68.3 FC	51.3 FC	42.2 FC	34.3 FC	26.6 FC
	min	43.4 FC	32.6 FC	28.1 FC	18.5 FC	15.1 FC
		2:1	2:1	1.9:1	2.4:1	2.4:1
12	avg	84.5 FC	63.6 FC	52.4 FC	42.9 FC	33.1 FC
	min	46.7 FC	35.3 FC	31.2 FC	23.3 FC	16.8 FC
		2.4:1	2.4:1	2.2:1	2.5:1	2.8:1
10	avg	98.5 FC	74.1 FC	61.3 FC	50.1 FC	38.7 FC
	min	50.5 FC	38.6 FC	37.5 FC	25.3 FC	17.3 FC
		2.7:1	2.7:1	2.2:1	2.9:1	3.4:1
8	avg	115.7 FC	87.3 FC	71.9 FC	58.9 FC	45.4 FC
	min	60.5 FC	45.5 FC	41.2 FC	26.4 FC	16.8 FC
		2.9:1	2.9:1	2.5:1	3.7:1	4.6:1

FIXTURE: MASI20-160W/D10 22,632 Lumens



Height (ft)		Spacing (ft) 1x6	1x8	1x10	1x12	1x15
25	avg	55 FC	41.3 FC	34 FC	27.6 FC	21.2 FC
	min	39.7 FC	29.8 FC	25 FC	19 FC	14.6 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	72.7 FC	54.5 FC	44.9 FC	36.4 FC	28.1 FC
	min	49.7 FC	35.2 FC	30 FC	22 FC	18 FC
		1.8:1	2:1	1.9:1	2.1:1	2:1
15	avg	100.2 FC	75.2 FC	61.9 FC	50.3 FC	39 FC
	min	63.8 FC	48 FC	41.3 FC	27.2 FC	22.2 FC
		2:1	2:1	1.9:1	2.4:1	2.4:1
12	avg	124.1 FC	93.3 FC	76.9 FC	62.9 FC	48.5 FC
	min	68.6 FC	51.7 FC	45.7 FC	34.3 FC	24.5 FC
		2.4:1	2.4:1	2.2:1	2.5:1	2.8:1
10	avg	144.7 FC	108.8 FC	89.9 FC	73.6 FC	56.7 FC
	min	74.5 FC	56.8 FC	55.2 FC	37.2 FC	25.4 FC
		2.7:1	2.7:1	2.2:1	2.9:1	3.4:1
8	avg	170 FC	128.1 FC	105.5 FC	86.6 FC	66.5 FC
	min	88.9 FC	66.8 FC	60.5 FC	38.9 FC	24.5 FC
		2.9:1	2.9:1	2.5:1	3.7:1	4.7:1

FIXTURE: MASI20-200W/D10 28,478 Lumens



Height (ft)		Spacing (ft) 1x6	1x8	1x10	1x12	1x15
25	avg	69.1 FC	51.9 FC	42.8 FC	34.7 FC	26.6 FC
	min	49.9 FC	37.5 FC	31.5 FC	23.9 FC	18.3 FC
		1.7:1	1.7:1	1.6:1	1.8:1	1.8:1
20	avg	91.4 FC	68.5 FC	56.4 FC	45.8 FC	35.4 FC
	min	62.5 FC	44.3 FC	37.7 FC	27.7 FC	22.7 FC
		1.8:1	1.9:1	1.9:1	2.1:1	2:1
15	avg	126 FC	94.6 FC	77.9 FC	63.3 FC	49 FC
	min	80.3 FC	60.3 FC	51.9 FC	34.2 FC	27.9 FC
		2:1	2:1	1.9:1	2.4:1	2.4:1
12	avg	156 FC	117.4 FC	96.7 FC	79.2 FC	61 FC
	min	86.3 FC	65.1 FC	57.5 FC	43.2 FC	30.8 FC
		2.4:1	2.4:1	2.2:1	2.5:1	2.8:1
10	avg	182 FC	136.9 FC	113.1 FC	92.6 FC	71.3 FC
	min	93.7 FC	71.4 FC	69.5 FC	46.8 FC	31.9 FC
		2.7:1	2.7:1	2.2:1	2.9:1	3.4:1
8	avg	213.8 FC	161.2 FC	132.7 FC	108.9 FC	83.6 FC
	min	111.9 FC	84 FC	76.1 FC	48.9 FC	30.8 FC
		2.9:1	2.9:1	2.5:1	3.7:1	4.7:1