

Channel Letter Density Guidelines

	Model	Module color	Can Depth	Modules per foot	Max. stroke coverage per row		Inches on center dark vinyl [*]	Inches on center perforated vinyl [*]
					Single row	Multiple rows		
SloanLED Prism ²⁴	Standard	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)	3"	1.5	10"	7" on center	6	5
			4"		14"	10" on center	9	8
			5-8"	1.2	16"	15" on center	14	13
		Red	3"	1.5	11"	8.5" on center	7.5	6.5
			4"		13"	15" on center	14	13
			5-8"		16"	16.5" on center	15.5	14.5
		Green	3"	1.5	8"	9" on center	8	7
			4"		13"	12" on center	11	10
			5-8"		16"	15" on center	14	13
		Blue	3"	2	9"	8" on center	7	6
			4"		12"	11" on center	10	9
			5-8"	1.5	15"	14" on center	13	10
	HO	White (6500 K, 5000 K)	5"	0.8	15"	15" on center	14	13
			8"		20"			
	Mini	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)	2"	3	4.5"	4" on center	2.5	1
			3"	2.5	7"	6" on center	4	3
			5"		13"	9" on center	8	7
		Red	2"	3	4.5"	4" on center	3	2
			3"	2.5	8"	7" on center	6	5
			5"		10"	13" on center	12	11
		Green	2"	3	3"	4" on center	3	2
			3"	2.5	5"	6" on center	5	4
			5"		10"	11" on center	10	10
		Blue	2"	3	4"	5" on center	4	3
			3"	2.5	5"	6" on center	5	4
			5"		11"	12" on center	11	10
	LP	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)	2"	3.5	5.5"	4" on center	3	2
			3"	1.5	10"	7" on center	6	5
			5"		16"	12" on center	11	10

Notes:

- It is recommended that you first test LED density in sample letter/cabinet to evaluate brightness, uniformity and color.
- Should you have questions or require assistance in testing, please contact your SloanLED customer service representative.
- For multiple rows, start 3" (76 mm) from return.
- Products can be used in can depths deeper or shallower than listed above, but testing is recommended.
- Acrylic material used for all testing was 0.1875" (5 mm) thickness sign grade 7328 acrylic for White LEDs.

* Layout requiring one row with can depth three inches or less and/or perforated vinyl needs to be populated at four modules per foot.

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					Single row	Multiple rows		
SloanLED Prism ¹²	Standard	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)	2"	3	6"	5" on center	4	3
			3"	1.5	12.5"	9.5" on center	8.5	7.5
			4"		16"	12" on center	11	10
			5-8"		18"	17" on center	16	15
		Red	2"	3	5"	4" on center	3	2
			3"	1.5	12"	9" on center	8	7
			4"		14"	13" on center	12	11
			5-8"		17"	15" on center	14	13
		Orange	2"	3	5"	4" on center	3	2
			3"	1.5	11"	7" on center	6	5
			4"		14"	11" on center	10	9
			5-8"		16"	13" on center	12	11
		Green	2"	3	4"	3" on center	2	1
			3"	2	9.5"	11" on center	10	9
			4"	1.5	14"	13" on center	12	11
			5-8"		16"	14" on center	13	12
		Blue	2"	3	5"	4" on center	3	2
			3"	1.5	10"	9.5" on center	8	7
			4"		13"	10.5" on center	9	8
			5-8"		17"	15" on center	14	13
	Mini	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)	2"	3	4.5"	4" on center	2.5	1
			3"	2	7"	6" on center	4	3
			5"		13"	9" on center	8	7
		Red	2"	3	4"	4" on center	3	2
			3"	2	7"	6" on center	5	4
			5"		10"	12" on center	11	10
		Green	2"	3	3"	3" on center	2	1
			3"		6"	5" on center	4	3
			5"	2	10"	10" on center	9	8
		Blue	2"	3	5"	4" on center	3	2
			3"	2	6"	5" on center	4	3
			5"		10"	10" on center	9	8
	Nano+: Acrylic block letters	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K), Red, Green, Blue	1.2"	7.6	2"	1.8" on center	Testing required	Testing required
	Nano+: Channel letters	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	1"	7.6	2.5"	1.5" on center	Testing required	Testing required
			2"		3"	2.5" on center		
			3"		4"	3.5" on center		
			4"		5"	6" on center		
		Red	1"	7.6	2.5"	1.5" on center	Testing required	Testing required
			2"		3"	2.5" on center		
			3"		3"	4" on center		
			4"		4"	5" on center		
		Green	1"	7.6	2.5"	1.5" on center	Testing required	Testing required
			2"		3"	2.5" on center		
			3"		3"	3.5" on center		
			4"		3.5"	4.5" on center		
		Blue	1"	7.6	2.5"	1.5" on center	Testing required	Testing required
			2"		3"	2.5" on center		
			3"		3"	4" on center		
			4"		3.5"	4.5" on center		

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	Model	Module color	Can Depth	Modules per foot	Max. stroke coverage per row		Inches on center dark vinyl*	Inches on center perforated vinyl*
					Single row	Multiple rows		
VL4	Standard	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	3"	2	6.5"	7" on center	6	5
			4"	1.5	10"	11.5" on center	10.5	9.5
			5"	1.4	11"	13" on center	12	11
	HO	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	4"	1.5	13"	12" on center	11	10
			5"		14"	13" on center	12	11
			8"		15.5"	14" on center	13	12
		Red	3"	2	8"	9" on center	8	7
			4"	1.5	10"	12" on center	11	10
			5"		13"	13.5" on center	12	11
			8"		14"	14.5" on center	13	12
		Green	3"	2	7"	6" on center	5	4
			4"	1.5	8.5"	8.5" on center	7	6
			5"		11"	9.5" on center	8	7
			8"		13"	11" on center	10	9
		Blue	3"	2	8"	7" on center	6	5
			4"	1.5	10"	9" on center	8	7
			5"		12"	11" on center	10	9
			8"		13"	13" on center	12	11
	Mini	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	2"	3	4"	4" on center	3	2
			3"	2.5	8"	7" on center	6	5
			4"		9"	9" on center	8	7
			5"		12"	11" on center	10	9
		Red	2"	4	3"	3" on center	2	1
			3"	3	6"	5" on center	4	3
			4"		8"	10" on center	9	8
			5"	2.5	13"	15" on center	14	13
		Green	2"	4	2"	3" on center	1	1
			3"	4	4"	4" on center	3	2
			4"		8"	9" on center	8	7
			5"	2.5	12"	13" on center	12	11
		Blue	2"	4	3"	3" on center	2	1
			3"	4	4"	4.5" on center	3	2
			4"		6"	8" on center	7	6
			5"	2.5	13"	14" on center	14	13
	Super HO (24 V)	White (6500 K)	4"	1.5	14"	13" on center	11	10
			5"	0.65	15"	14" on center	13	12
			8"		18"	17" on center	16	15
SloanLED Spectrum RGBW	N/A	RGBW	4"	1.8	9"	6" on center	Testing Required	Testing Required
			5"		12"	8" on center		
			6"					
SloanLED Spectrum RGB	N/A	RGBW	4"	1.8	9"	6" on center	Testing Required	Testing Required
			5"		12"	10" on center		
			6"					

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