



Reference

ChanneLED Density Guidelines


Doc. No. RF-12-101
Rev. G

Approval: ALozano
Date: 11/02/11

Product	Module Color	Can Depth Inches	Modules Per Foot	Inches On Center Standard Face	Inches On Center Dark Vinyl	Inches On Center Perforated Vinyl	Maximum Stroke Coverage Per Row		
							Single	Multiple	
V Series	White, Warm White, Blue, Red, Red/Orange, Orange, Yellow/Amber	2.25 - 3	3*	3*	Test	Test*	3	2	
		>3 - 5	3	5	4	3*	6	5	
		>5 - 8	3	6	5	4	7.5	6	
	Green	2.25 - 3	3*	3	Test	Test*	3	2	
		>3 - 5	3	4	3	2*	5	4	
		>5 - 8	3	4	3	2	5	4	
V180	White	2 - <3	4	3	2	1	3	3	
		3 - <4	2.5	4	3	2	4	4	
		4 - <5	2.5	5	4	3	5	5	
Apollo / CL5	Apollo - White CL5 - Red	4 - 5	2	5	4	3**	6	5	
		>5	2	6	5	4	7.5	6	
GW4	White	5 - <8	2	6	5	5	7.5	6	
		≥8	2	9	8	7	11	9	
Value-Line	White	Mini / Short	≥5	4 / 3	4	3	2	5	4
		Long	≥5	2	5	4	3	6	5
	Red	Short	≥5	3	4	3	2	5	4
		Long	≥5	2	5	4	3	6	5
VL Plus	White	Mini / Short	≥5	4 / 2.5	6	5	4	7.5	6
		Long	≥5	2	6	5	4	7.5	6

These guidelines are intended to provide only an approximation of V Series, V180, Apollo, CL5, GW4, Value-Line and VL Plus product required for your sign, assuming an optimal balance of performance and cost. SloanLED is not responsible for the actual results based on the use of these guidelines.

- Notes:
- 1) It is recommended that you first test the LED density in a sample letter/cabinet to evaluate brightness, uniformity and color.
 - 2) Should you have questions or require assistance in testing, please contact your SloanLED customer service representative.
 - 3) > Symbol represents greater than. < Symbol represents less than. ≥ Symbol represents greater than or equal to.
 - 4) For multiple rows start three inches from the return.
 - 5) Products can be used in can depths deeper or shallower than listed above, but testing is recommended.
 - 6) The acrylic material used for all testing was 3/16" thickness sign grade acrylic.
- * Layout requiring one row with can depth three inches or less and/or perforated vinyl needs to be populated at four modules per foot.
**For single row perforated applications V Series four per foot is recommended for maximum brightness.

 SloanLED Leaders In LED Technology	Reference	ChannelLED Density Guidelines Europe	Doc. No. RF-12-101-EU Rev. F	F. Lozano 11/21/11
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Product	Module colour	Can depth millimeters	Modules per meter	Millimeters on center with standard face	Millimeters on center with dark vinyl	Millimeters on center with perforated vinyl	Millimeters maximum coverage per row	
V Series	White, warm white, red, orange, yellow/amber	50 - <75	Test	Test	Test	Test	Test	
		75 - <100	10	100	75	50	100	
		100 - <125	10	125	100	75	125	
		125 - <150	10	150	125	100	150	
	White Eco	50 - <75	Test	Test	Test	Test	Test	Test
		75 - <100	Test	Test	Test	Test	Test	Test
		100 - <125	8	125	100	75	125	
		125 - <150	8	150	125	100	150	
	Green, blue	50 - <75	Test	Test	Test	Test	Test	Test
		75 - <100	10	75	50	25	75	
		100 - <125	10	100	75	50	100	
		125 - <150	10	125	100	75	125	
V180	White	< 50	13	50	test	test	50	
		50 - <60	13	75	50	25	75	
		60 - <70	10	75	50	25	75	
		70 - <75	9	75	50	25	75	
		75 - <100	8	100	75	50	100	
		100 - <125	8	125	100	75	125	
Apollo	White	75 - <100	6.5	100	75	50	100	
		100 - <125	6.5	125	100	75	125	
		125 - <150	6.5	150	125	100	150	
		150 - <175	6.5	175	150	125	175	
		175 - <225	6.5	200	175	150	200	
CL5	Red	100 - <125	6.5	125	100	75	125	
		125 - <150	6.5	150	125	100	150	
		150 - <175	6.5	150	125	100	150	
		175 - <200	6.5	175	150	125	175	
GW4	White	100 - <125	Test	Test	Test	Test	Test	
		125 - <150	6.5	150	125	100	150	
		150 - <175	6.5	150	125	100	150	
		175 - <200	6.5	175	150	125	175	
Value-Line	White	Mini	50 - <125	Test	Test	Test	Test	
			125 - <150	13	125	100	75	125
		Short / Long	100 - <125	Test	Test	Test	Test	Test
	Red	Short / Long	125 - <150	6.5	125	100	75	125
			100 - <125	Test	Test	Test	Test	Test
		Short / Long	125 - <150	10 / 6.5	125	100	75	125
VL Plus	White	Mini	50 - <125	Test	Test	Test	Test	
			125 - <150	13	150	125	100	150
		Short / Long	100 - <125	Test	Test	Test	Test	Test
			125 - <150	8 / 6.5	150	125	100	150

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- Notes:**
- 1) It is recommended that you first test the LED density in a sample letter/cabinet to evaluate brightness, uniformity and colour.
 - 2) Should you have questions or require assistance in testing, please contact your SloanLED customer service representative.
 - 3) > Symbol represents greater than. < Symbol represents less than. ≥ Symbol represents greater than or equal to.
 - 4) For multiple rows, calculate half of the row spacing given from the table and start first row offset that distance from return.
 - 5) Products can be used in can depths deeper or shallower than listed above, but testing is recommended.
 - 6) For halo lit channel letters with a can depth ≤ 70 mm, use V Series, 13 modules per meter. If stroke is greater than 100 mm, use 2 rows and offset 25 mm from return.
For halo lit channel letters with a can depth ≥ 70 mm, use V Series, 10 modules per meter. If stroke is greater than 100 mm, use 2 rows and offset 25 mm from return.
 - 7) Based on European face materials.