

VL4

Everyday channel letter lighting solutions

Specifications

Dimensions L × W × H..... Mini..... 1.50" × 0.69" × 0.27"
Standard..... 2.15" × 0.69" × 0.27"
 HO..... 3.06" × 0.69" × 0.27"
 Super HO..... 3.96" × 0.69" × 0.27"

LEDs per module..... Mini..... 1
Standard..... 2
 HO..... 3
 Super HO..... 4

Operating temperature..... -40° C to +60° C

Optional dimming..... 0-10 V dimming via SloanLED dimmable drivers
 and optional wired dimming controller

Protection class..... IP66

Special feature..... Continuous tape liner with peel tab

Life rating..... >54,000 hours to L₈₀ at ≤50° C ambient

Fastening..... Peel-n-stick and mechanical



Whites, 12 VDC

Model	Modules per ft	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Mini	2.5	7200 K	701269-7W1A2-MB	2-3"	0.36 W	40	111 lm/W	60.0 ft (150 modules) per bag, 3 bags per carton
		6500 K	701269-6W1A2-MB					
		5000 K	701269-5W1A2-MB					
		4000 K	701269-4W1A2-MB					
		3000 K	701269-3W1A2-MB					
Standard	1.4	7200 K	701269-7W2A2-MB	3-5"	0.96 W	107	111 lm/W	40.0 ft (56 modules) per bag, 10 bags per carton
		6500 K	701269-6W2A2-MB					
		5000 K	701269-5W2A2-MB					
		4000 K	701269-4W2A2-MB					
		3000 K	701269-3W2A2-MB					
HO	1.5	7200 K	701269-7W3A1-MB	5-8"	1.20 W	130	108 lm/W	30 ft (45 modules) per bag, 10 bags per carton
		6500 K	701269-6W3A1-MB					
		5000 K	701269-5W3A1-MB					
		4000 K	701269-4W3A1-MB					
		3000 K	701269-3W3A1-MB			110	92 lm/W	

Colors

Model	Modules per ft	Color	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Mini	2.5	Red (623 nm)	701269-RD1A2-MB	2-3"	0.36 W	14	39 lm/W	60.0 ft (150 modules) per bag, 3 bags per carton
		Green† (525 nm)	701269-GR1A2-MB			33	93 lm/W	
		Blue (468 nm)	701269-BL1A2-MB			6.7	19 lm/W	
HO	1.5	Red (623 nm)	701269-RD3A3-MB	5-8"	1.08 W	42	39 lm/W	33.3 ft (50 modules) per bag, 9 bags per carton
		Green (525 nm)	701269-GR3A3-MB			100	93 lm/W	
		Blue (468 nm)	701269-BL3A3-MB			20	19 lm/W	

Whites, 24 VDC

Model	Modules per ft	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Super HO	0.65	6500 K	701269-6W4A1-MB	5-12"+	1.42 W	233	164 lm/W	92.3 ft (60 modules) per bag, 5 bags per carton

† Availability limited: Call to confirm.



SloanLED channel letter products are covered by US and foreign patents pending and covered by one or more of the following US patents issued: 6,932,495; 7,241,031; 7,520,771.



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Discontinued part numbers

NOTE: Discontinued versions of VL4 listed here are presented for reference only.

Model	Modules per foot	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging
Standard	1.5	Red	623 nm	701269-RD3A1-MB	3-5"	0.50 W	20	40 lm/W	108 modules (72.0 ft)	30.0 ft (45 modules) per bag, 10 bags per carton
		Green	524 nm	701269-GR3A1-MB			50	100 lm/W		
		Blue	468 nm	701269-BL3A1-MB			9.5	19 lm/W		
		Red	623 nm	701269-RD3A2-MB			20	40 lm/W		72.0 ft (108 modules) per bag, 4 bags per carton
		Green	524 nm	701269-GR3A2-MB			50	100 lm/W		
		Blue	468 nm	701269-BL3A2-MB			9.5	19 lm/W		

Power Supply Capacity

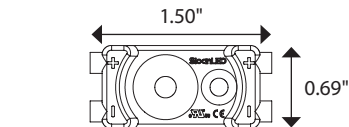
12 VDC Power supply*	VL4 Mini White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K), Red, Green, Blue	VL4 Standard White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	VL4 HO White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	VL4 HO Red, Green, Blue
20 W Power supply	20.0 ft / 50 mods	13.6 ft / 19 mods	10.0 ft / 15 mods	10.7 ft / 16 mods
60 W Power supply	60.0 ft / 150 mods	40.0 ft / 56 mods	30.0 ft / 45 mods	33.3 ft / 50 mods
120 W Power supply	2 × 60.0 ft / 150 mods	2 × 40.0 ft / 56 mods	2 × 30.0 ft / 45 mods	2 × 33.3 ft / 50 mods

24 VDC Power supply*	VL4 Super HO 6500 K
60 W Power supply	55.4 ft / 36 mods
96 W Power supply	92.3 ft / 60 mods
3 × 96 W Power supply	3 × 92.3 ft / 60 mods
100 W Power supply	92.3 ft / 60 mods

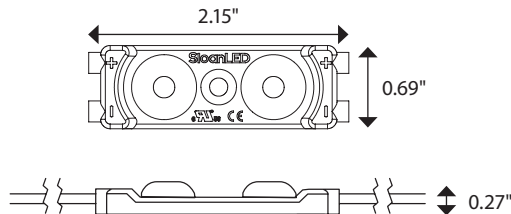
* Configured for Class 2 Output.

Dimensions

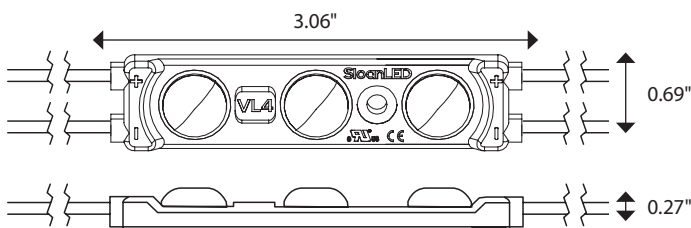
VL4 Mini



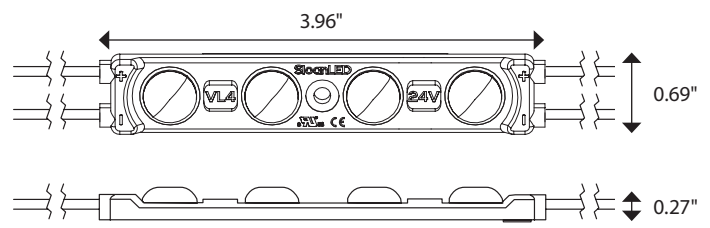
VL4 Standard



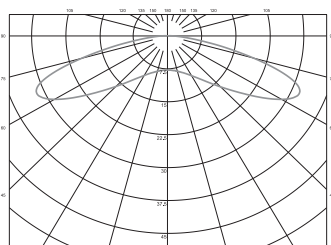
VL4 High Output



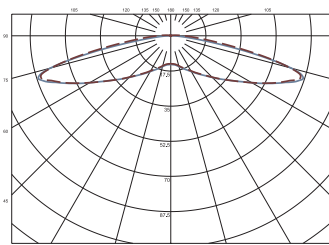
VL4 Super High Output



Luminous Intensity Distribution



VL4 Mini, Standard, HO



VL4 Super HO

VL4

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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		
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
	Green	2"	4	2"	3" on center	1	1
		3"		4"	4" on center	3	2
		4"	3	8"	9" on center	8	7
	Blue	2"	4	3"	3" on center	2	1
		3"		4"	4.5" on center	3	2
		4"	3	6"	8" on center	7	6
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
Super HO (24 V)	White (6500 K)	4"	1.5	14"	13" on center	11	10
		5"		15"	14" on center	13	12
		8"	0.65	18"	17" on center	16	15

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

These guidelines are intended to provide only an approximation of 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.

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Specifications subject to change without notice.



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