

VL4

Everyday channel letter lighting solutions

Specifications

Dimensions L x W x H..... Mini..... 38.2 mm x 17.5 mm x 6.8 mm
 Standard..... 54.7 mm x 17.5 mm x 6.8 mm
 HO..... 77.7 mm x 17.5 mm x 6.8 mm
 Super HO..... 100.7 mm x 17.5 mm x 6.8 mm

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 L₉₀ at ≤50° C ambient

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



Whites, 12 VDC

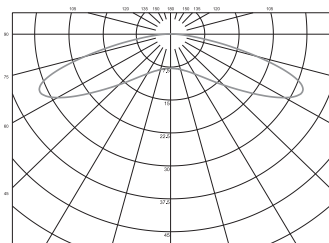
Model	Modules per meter	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Mini	8.2	7200 K	701269-7W1A2-MB	50-75 mm	0.36 W	40	111 lm/W	18.3 m (150 modules) per bag, 3 bags per carton
		6500 K	701269-6W1A2-MB					
		5000 K	701269-5W1A2-MB					
		4000 K	701269-4W1A2-MB					
		3000 K	701269-3W1A2-MB					
Standard	4.6	7200 K	701269-7W2A2-MB	75-127 mm	0.96 W	107	111 lm/W	12.2 m (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	4.9	7200 K	701269-7W3A1-MB	127-200 mm	1.20 W	130	108 lm/W	9.1 m (45 modules) per bag, 10 bags per carton
		6500 K	701269-6W3A1-MB					
		5000 K	701269-5W3A1-MB					
		4000 K	701269-4W3A1-MB			110	92 lm/W	
		3000 K	701269-3W3A1-MB					

Colors, 12 VDC

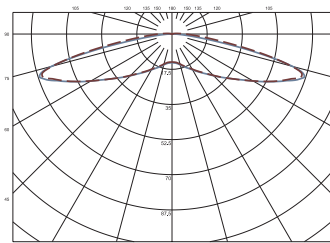
Model	Modules per meter	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Mini	8.2	Red	623 nm	701269-RD1A2-MB	50-75 mm	0.36 W	14	39 lm/W	18.3 m (150 modules) per bag, 3 bags per carton
		Green†	525 nm	701269-GR1A2-MB			33	93 lm/W	
		Blue	468 nm	701269-BL1A2-MB			6.7	19 lm/W	
HO	4.9	Red	623 nm	701269-RD3A3-MB	127-200 mm	1.08 W	42	39 lm/W	10.2 m (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	

† Availability limited: Call to confirm.

Luminous Intensity Distribution



VL4 Mini, Standard, HO



VL4 Super HO



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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Specifications (cont.)

Whites, 24 VDC

Model	Modules per meter	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Super H0	2.13	6500 K	701269-6W4A1-MB	127-305 mm+	1.42 W	233	164 lm/W	28.1 m (60 modules) per bag, 5 bags per carton

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 H0 White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	VL4 H0 Red, Green, Blue
20 W Power supply	6.1 m / 50 mods	4.1 m / 19 mods	3.0 m / 15 mods	3.3 m / 16 mods
25 W Power supply (EU/ROW ONLY)	7.6 m / 62 mods	5.0 m / 23 mods	3.9 m / 19 mods	4.3 m / 21 mods
30 W Power supply (EU/ROW ONLY)	9.1 m / 75 mods	6.1 m / 28 mods	4.5 m / 22 mods	5.1 m / 25 mods
60 W Power supply	18.3 m / 150 mods	12.2 m / 56 mods	9.1 m / 45 mods	10.2 m / 50 mods
2 × 60 W Power supply	2 × 18.3 m / 150 mods	2 × 12.2 m / 56 mods	2 × 9.1 m / 45 mods	2 × 10.2 m / 50 mods
2 × 75 W Power supply (EU/ROW ONLY)	2 × 22.8 m / 187 mods	2 × 15.2 m / 70 mods	2 × 11.4 m / 56 mods	2 × 12.6 m / 62 mods
100 W Power supply (EU/ROW ONLY)	30.5 m / 250 mods	20.5 m / 94 mods	15.2 m / 75 mods	16.9 m / 83 mods

24 VDC Power supply*	VL4 Super H0 6500 K
30 W Power supply (EU/ROW ONLY)	8.4 m / 18 mods
60 W Power supply	16.9 m / 36 mods
96 W Power supply	28.1 m / 60 mods
3 × 96 W Power supply	3 × 28.1 m / 60 mods
100 W Power supply	28.1 m / 60 mods
150 W Power supply (EU/ROW ONLY)	42.2 m / 90 mods

* Configured for Class 2 Output.

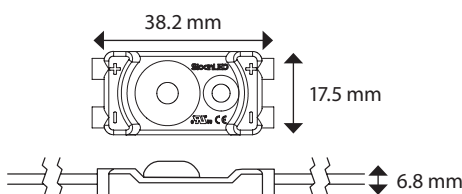
Discontinued part numbers

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

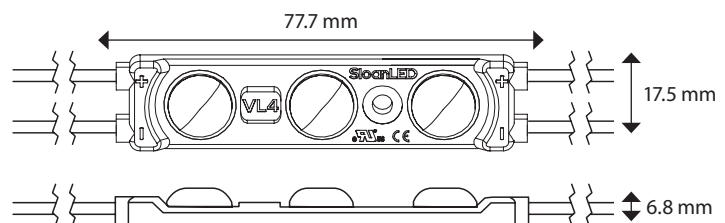
Model	Modules per meter	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging
Standard	4.9	Red	623 nm	701269-RD3A1-MB	75-127 mm	0.50 W	20	40 lm/W	108 modules (21.9 m)	9.1 m (45 modules) 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		21.9 m (108 modules) per bag, 4 bags per carton
		Red	623 nm	701269-RD3A2-MB			20	40 lm/W		
		Green	524 nm	701269-GR3A2-MB			50	100 lm/W		
		Blue	468 nm	701269-BL3A2-MB			9.5	19 lm/W		

Dimensions

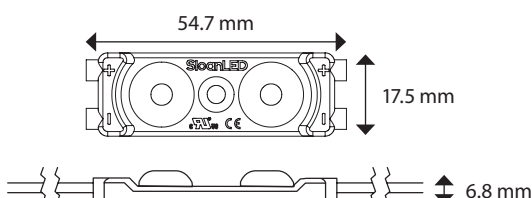
VL4 Mini



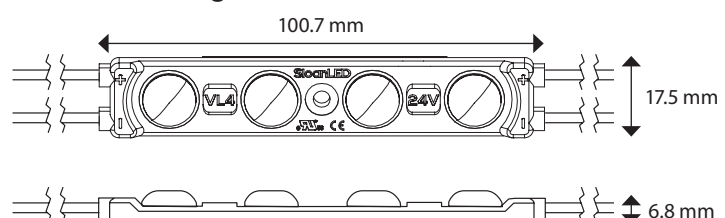
VL4 High Output



VL4 Standard



VL4 Super High Output



VL4

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Density Guidelines

Size	Module color	Can Depth	Modules per meter	Millimeters on center standard face	Millimeters on center dark vinyl	Millimeters on center perforated vinyl	Watts per module	Modules per M ² standard face	Modules per M ² dark vinyl
Mini	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	50 mm	10	100	75	50	0.36	100.0	133.3
		75 mm	8.2	150	125	100		54.7	65.6
		100 mm		200	175	150		41.0	46.9
	Red	50 mm	13	75	50	25	0.36	173.3	260.0
		75 mm	10	125	100	75		80.0	100.0
		100 mm		225	175	150		44.4	57.1
	Green, Blue	50 mm	13	75	50	25	0.36	173.3	260.0
		75 mm		100	75	50		130.0	173.3
		100 mm	10	200	175	150		50.0	57.1
Standard	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	75 mm	6.5	175	150	123	0.96	37.1	43.3
		100 mm	4.6	225	200	175		20.4	23.0
		125 mm		300	275	250		15.3	16.7
HO	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	100 mm	4.9	225	200	175	1.2	21.8	24.5
		125 mm		325	300	275		15.1	16.3
		175 mm		375	350	325		13.1	14.0
	Red	75 mm	6.5	200	175	125	1.08	32.5	37.1
		100 mm	4.9	275	250	200		17.8	19.6
		125 mm		300	275	225		16.3	17.8
	Green	75 mm	6.5	150	125	75	1.08	43.3	52.0
		100 mm	4.9	200	175	125		24.5	28.0
		125 mm		275	250	175		17.8	19.6
	Blue	75 mm	6.5	150	125	75	1.08	43.3	52.0
		100 mm	4.9	200	175	125		24.5	28.0
		125 mm		250	225	175		19.6	21.8
Super HO (24 VDC)	White (6500 K)	125 mm	4.9	325	250	225	1.42	15.4	20.0
		150 mm	3	350	300	275		8.6	10.0
		200 mm	2.1	400	350	325		5.3	6.5

Notes:

- Test results based on Evonik WN070 3 mm acrylic, 30% translucency.
- 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.
- > Symbol represents greater than. < Symbol represents less than. ≥ Symbol represents greater than or equal to.
- For multiple rows, calculate half of the row spacing given from the table and start first row offset that distance from return.
- Products can be used in can depths deeper or shallower than listed above, but testing is recommended.
- Maximum single row coverage is (Millimeters on center with standard face) × 1.25.

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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Visit product page for details.



Specifications subject to change without notice.