

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 L₈₀ at ≤50° C ambient

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



Whites, 12 VDC

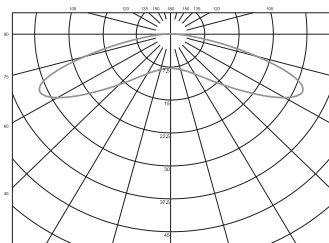
Model	Modules per meter	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Mini	8.2	7200 K	701269-7W1A2-MB	50-75 mm	0.36 W	40	111 lm/W	18.3 m (150 modules) per bag, 3 bags per carton
		6500 K	701269-6W1A2-MB					
		5000 K	701269-5W1A2-MB					
		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

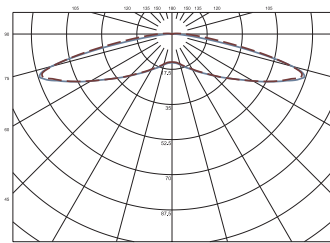
Model	Modules per meter	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Mini	8.2	Red	623 nm	701269-RD1A2-MB	50-125 mm	0.36 W	14	39 lm/W	18.3 m (150 modules) per bag, 3 bags per carton
		Green†	525 nm	701269-GR1A2-MB			33	93 lm/W	
		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.

VL4

Everyday channel letter lighting solutions



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 HO	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 HO White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	VL4 HO 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 HO 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.

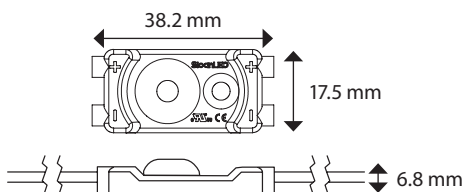
Discontinued part numbers

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

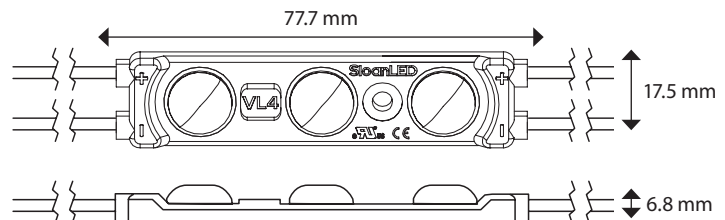
Model	Modules per meter	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging
Standard	4.9	Red	623 nm	701269-RD3A1-MB	75-127 mm	0.50 W	20	40 lm/W	108 modules (21.9 m)	9.1 m (45 modules) 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

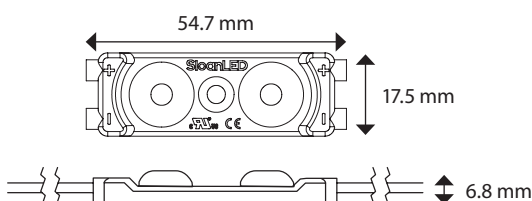
VL4 Mini



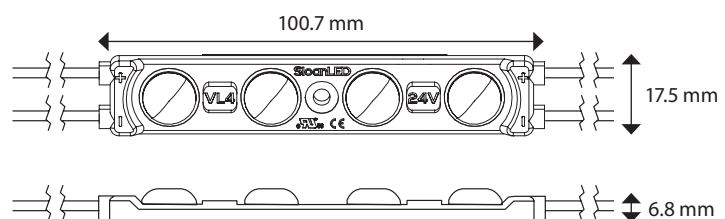
VL4 High Output



VL4 Standard



VL4 Super High Output



VL4

Everyday channel letter lighting solutions

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	175	150	125		46.9	54.7
		100 mm		225	200	175		36.4	41.0
		125 mm		275	250	225		29.8	32.8
	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		250	225	200		40.0	44.4
		125 mm	8.2	375	14	325		21.9	585.7
	Green	50 mm	13	75	25	25	0.36	173.3	520.0
		75 mm		100	75	50		130.0	173.3
		100 mm	10	225	200	175		44.4	50.0
		125 mm	8.2	325	300	275		25.2	27.3
	Blue	50 mm	13	75	50	25	0.36	173.3	260.0
		75 mm		105	75	50		123.8	173.3
		100 mm	10	200	175	150		50.0	57.1
		125 mm	8.2	350	14	325		23.4	585.7
Standard	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	75 mm	6.5	175	150	125	0.96	37.1	43.3
		100 mm	4.9	290	265	240		16.9	18.5
		125 mm	4.6	325	300	275		14.2	15.3
HO	White (7200 K, 6500 K, 5000 K, 4000 K, 3000 K)	100 mm	4.9	300	275	250	1.2	16.3	17.8
		125 mm		325	300	275		15.1	16.3
		200 mm		350	325	300		14.0	15.1
	Red	75 mm	6.5	225	200	175	1.08	28.9	32.5
		100 mm	4.9	300	275	250		16.3	17.8
		125 mm		340	300	275		14.4	16.3
		200 mm		370	325	300		13.2	15.1
	Green	75 mm	6.5	150	125	100	1.08	43.3	52.0
		100 mm	4.9	205	175	150		23.9	28.0
		125 mm		230	200	175		21.3	24.5
		200 mm		275	250	225		17.8	19.6
	Blue	75 mm	6.5	175	150	125	1.08	37.1	43.3
		100 mm	4.9	225	200	175		21.8	24.5
		125 mm		275	250	225		17.8	19.6
		200 mm		325	300	275		15.1	16.3
	Super HO (24 VDC)	White (6500 K)	100 mm	4.9	325	275	250	1.42	15.1
125 mm			350		325	300	14.0		15.1
200 mm			2.1	430	400	375	4.9		5.3

- Notes:
- Test results based on Evonik WNO70 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.

SloanLED Headquarters
3490 Venture Dr., San Angelo, TX, USA
325 227 4577 • info@SloanLED.com

SloanLED Europe b.v.
Argonstraat 110, 2718 SN Zoetermeer, NL
+31 88 12 44 900 • europe@SloanLED.com



SloanLED.com

© 2023 SloanLED Rev O 2023-08-27



Visit product page for details.



Specifications subject to change without notice.