

# VL4

Specification code: AP-SL-VL4-[CCT]



## Everydaychannel 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 L<sub>80</sub> at ≤50° C ambient

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



### Whites, 12 VDC

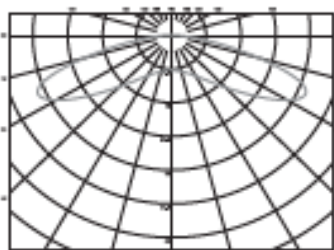
Model	Modules per meter	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Mini	8.2	7200 K	701269-7W1A2-MB	50-75 mm	0.36 W	40	111 lm/W	18.3 m (150 modules) per bag, 3 bags per carton
		6500 K	701269-6W1A2-MB					
		5000 K	701269-5W1A2-MB					
		4000 K	701269-4W1A2-MB					
Standard	4.6	3000 K	701269-3W1A2-MB	75-127 mm	0.96 W	107	111 lm/W	12.2 m (56 modules) per bag, 10 bags per carton
		7200 K	701269-7W2A2-MB					
		6500 K	701269-6W2A2-MB					
		5000 K	701269-5W2A2-MB					
HO	4.9	4000 K	701269-4W2A2-MB	127-200 mm	1.20 W	130	108 lm/W	9.1 m (45 modules) per bag, 10 bags per carton
		3000 K	701269-3W2A2-MB					
		7200 K	701269-7W3A1-MB					
		6500 K	701269-6W3A1-MB					
		5000 K	701269-5W3A1-MB					
		4000 K	701269-4W3A1-MB			110	92 lm/W	

### Colors, 12 VDC

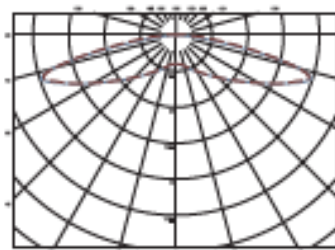
Model	Modules per meter	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
Mini	8.2	Red	623 nm	701269-RD1A2-MB	50-125 mm	0.36 W	14	39 lm/W	18.3 m (150 modules) per bag, 3 bags per carton
		Green	525 nm	701269-GR1A2-MB			33	93 lm/W	
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

UK distributor



Discuss your project with our Applelec Projects team:  
[applelecprojects.co.uk](http://applelecprojects.co.uk) | [projects@applelec.co.uk](mailto:projects@applelec.co.uk) | 01274 77 44 77

## 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 HD	2.13	6500 K	701269-6W441-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	7.6 m / 62 mods	5.0 m / 23 mods	3.9 m / 19 mods	4.3 m / 21 mods
30 W Power supply	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 x 60 W Power supply	2 x 18.3 m / 150 mods	2 x 12.2 m / 56 mods	2 x 9.1 m / 45 mods	2 x 10.2 m / 50 mods
2 x 75 W Power supply	2 x 22.8 m / 187 mods	2 x 15.2 m / 70 mods	2 x 11.4 m / 56 mods	2 x 12.6 m / 62 mods
100 W Power supply	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 HD 6500 K
30 W Power supply	8.4 m / 18 mods
60 W Power supply	16.9 m / 36 mods
96 W Power supply	28.1 m / 60 mods
3 x 96 W Power supply	3 x 28.1 m / 60 mods
100 W Power supply	28.1 m / 60 mods
150 W Power supply	42.2 m / 90 mods

\* Configured for Class 2 Output.

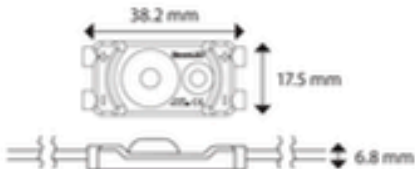
## Discontinued part numbers

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

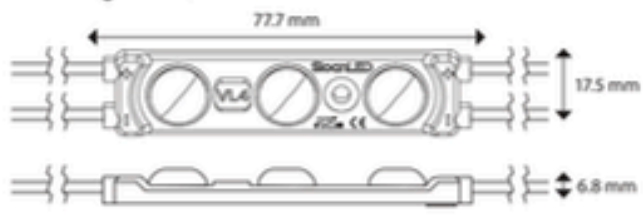
Model	Modules per meter	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging
Standard	4.9	Red	623 nm	701269-8D3A1-MB	75-127 mm	0.50 W	20	40 lm/W	108 modules (21.9 m)	9.1 m (45 modules) 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	701269-8D3A2-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

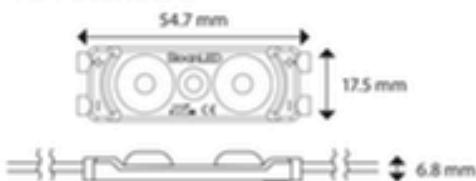
### VL4 Mini



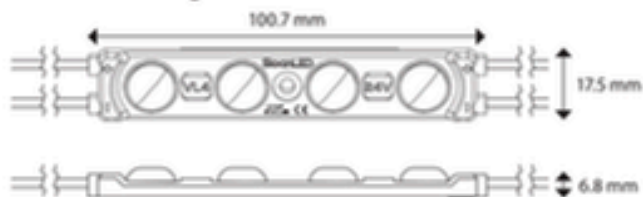
### VL4 High Output



### VL4 Standard



### VL4 Super High Output



UK distributor

**SloanLED**  
A Principal Industries Company

Discuss your project with our Applelec Projects team:  
applelecprojects.co.uk | projects@applelec.co.uk | 01274 77 44 77

## 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 <sup>2</sup> standard face	Modules per M <sup>2</sup> 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		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	
	Green	200 mm	6.5	370	325	300	1.08	13.2	15.1	
		75 mm		150	125	100		43.3	52.0	
		100 mm		205	175	150		23.9	28.0	
	Blue	125 mm	4.9	230	200	175	1.08	21.3	24.5	
		200 mm		275	250	225		17.8	19.6	
		75 mm		175	150	125		37.1	43.3	
Super HO (24 VDC)	White (6500 K)	100 mm	4.9	325	275	250	1.42	15.1	17.8	
		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 6000 MCD 1 mm acrylic, 30% transmissivity
- It is recommended that you first test LED density in sample letters above 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 can for 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 300mm on center with standard face = 125.

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.



UK distributor

**SloanLED**  
A Principal Industries Company

Discuss your project with our Applelec Projects team:  
applelecprojects.co.uk | projects@applelec.co.uk | 01274 77 44 77