

VL Plus

Everyday standard face lit solutions

Specifications

Dimensions L × W × H..... Long..... 88 mm × 13 mm × 9 mm
 Short..... 60 mm × 13 mm × 9 mm
 Mini..... 70 mm × 19 mm × 13 mm

Viewing angle 120°

LEDs per module..... Long/Short 3
 Mini..... 2

Maximum coverage per row Can depth 127 mm
 Coverage..... 127 mm

Operating temperature..... -40° C to +70° C

Protection class IP66

1 VL Plus 2 Short 6500 K, VL Plus 2 Long 6500 K, and VL Plus 2 Mini 6500 K only.
 2 Configured for Class 2 Output.
 3 No longer available.



Binning..... MacAdam Step 3¹

Fastening Peel-n-stick and mechanical



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, 7,160,140, 7,241,031, 7,520,771, 7,931,386 and European Patent No. 1756471.

Whites

Name	Size	Color temperature	Part number	Modules per m	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging of 5 trays per carton				
VL Plus	Long	6500 K ³	701269-WVLL-MB	6.5	0.36 W	40	111 lm/W	150 modules (9.8 m)	7.6 m (50 modules) per tray				
		7200 K ³	701269-7WSA1-MB	8					9.1 m (75 modules) per tray				
	6500 K ³	701269-WVLS-MB											
	5000 K ³	701269-5WSA1-MB											
	4000 K ³	701269-4WSA1-MB											
	3000 K ³	701269-3WSA1-MB											
Mini	6500 K ³	701269-WVLM-MB	13	0.28 W	20	71 lm/W	196 modules (9.8 m)	7.6 m (100 modules) per tray					
VL Plus 2	Long	6500 K	701269-6WLA2-MB	6.5	0.54 W	50	93 lm/W	100 modules (12.2 m)	100 modules (15.2 m)				
		7200 K ³	701269-7WSA2-MB	8					9.1 m (75 modules) per tray				
	6500 K	701269-6WSA2-MB											
	5000 K	701269-5WSA2-MB											
	4000 K ³	701269-4WSA2-MB											
	3000 K ³	701269-3WSA2-MB											
	HB Short	6500 K	701269-6WHA1-MB	8					0.54 W	64	119 lm/W	100 modules (12.2 m)	9.1 m (75 modules) per tray
	Mini	6500 K	701269-6WMA2-MB							13	25		

Colors

Name	Size	Color	Part number	Modules per m	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging of 5 trays per carton		
VL Plus Colors	Long	Red	701269-RVLL-MB	6.5	0.36 W	11	31 lm/W	150 modules (22.9 m)	7.6 m (50 modules) per tray		
			701269-RVLS-MB	8	0.29 W	9	28 lm/W	187 modules (22.8 m)	9.1 m (75 modules) per tray		
	Short	Orange ³	Yellow ³	701269-ORSA1-MB	8	0.29 W	13	45 lm/W	187 modules (22.8 m)	9.1 m (75 modules) per tray	
				701269-YLSA1-MB			8	28 lm/W			
				701269-GRSA1-MB			0.36 W	31	86 lm/W		150 modules (18.3 m)
				701269-BLSA1-MB				9	25 lm/W		

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Power Supply Capacity

12 VDC Power supply ²	VL Plus 2 Long	VL Plus 2 Short/ HB Short	VL Plus 2 Mini	VL Plus Long ³	VL Plus Short ³	VL Plus Mini ³	VL Plus Red Long	VL Plus Red, Orange ³ , Yellow ³ Short	VL Plus Green ³ , Blue ³ Short
Modules per meter	6.5	8	13	6.5	8	13	6.5	8	8
25 W Power Supply	6.4 m / 42 mods	5.2 m / 42 mods	4.0 m / 54 mods	9.6 m / 63 mods	7.6 m / 63 mods	6 m / 80 mods	9.6 m / 63 mods	9.4 m / 78 mods	7.6 m / 63 mods
60 W Power Supply	15.2 m / 100 mods	12.2 m / 100 mods	9.8 m / 128 mods	23 m / 150 mods	18.3 m / 150 mods	14.9 m / 196 mods	23 m / 150 mods	23 m / 187 mods	18.3 m / 150 mods
120 W Power Supply	2×15.2 m / 100 mods	2×12.2 m / 100 mods	2×9.8 m / 128 mods	2×23 m / 150 mods	2×18.3 m / 150 mods	2×14.9 m / 196 mods	2×23 m / 150 mods	2×23 m / 187 mods	2×18.3 m / 150 mods
Power used per meter in Watts	3.54 W	4.43 W	5.51 W	2.35 W	2.95 W	3.67 W	2.35 W	2.38 W	2.95 W

Density Guidelines

	Size	Module color	Can Depth	Modules per meter	Milimeters on center standard face	Milimeters on center dark vinyl	Milimeters on center perforated vinyl	Watts per module	Modules per M ² standard face	Modules per M ² dark vinyl	
VL Plus 2	Long	White (6500 K)	100 mm	6.5	125	Test	Test	0.54	52.0	Test	
			125 mm		150	125	100		43.3	52.0	
	Short & Short HB	White (7200 K ³ , 6500 K)	100 mm	8	125	Test	100	0.54	64.0	Test	
			125 mm		150	125	100		53.3	64.0	
			100 mm		100	Test	100		80.0	Test	
			125 mm		125	100	75		64.0	80.0	
Mini	White (6500 K)	100 mm	13	125	Test	Test	0.42	104.0	Test		
		125 mm		150	125	100		86.7	104.0		
VL Plus	Mini	White (6500 K) ³ , Red	100 mm	13	125	Test	Test	0.28	104.0	Test	
			125 mm		150	125	100		86.7	104.0	
	Long		100 mm	6.5	125	Test	Test	0.36	52.0	Test	
			125 mm		150	125	100		43.3	52.0	
	Short	White (5000 K ³ , 4000 K ³ , 3000 K ³) Red, Green ³ , Blue ³	100 mm	8	100	Test	Test	0.29	80.0	Test	
			125 mm		125	100	75		64.0	80.0	
			White (7200 K ³ , 6500 K ³) Orange ³ , Yellow ³	100 mm	6.5	100	Test	Test	0.36	65.0	Test
				125 mm		125	100	75		52.0	65.0

Notes:

- 1) It is recommended that you first test LED density in 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) For multiple rows, calculate half of the row spacing given from the table and start first row offset that distance from return.
- 4) Products can be used in can depths deeper or shallower than listed above, but testing is recommended.
- 5) Based on European face materials.
- 6) Maximum single row coverage is (Millimeters on center with standard face) × 1.25.

These guidelines are intended to provide only an approximation of 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.

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Specifications subject to change without notice.

