

VL Plus 3

Everyday standard
face lit solutions

We Brighten
Your Brands.



SloanLED®
Leaders in LED Technology

A commitment to value.

VL Plus 3 is the cost effective LED solution for illuminating standard face lit channel letters. Available in white (6500 K) and red, VL Plus 3 surpasses its predecessors with an increased viewing angle of 160°, achieving twice the maximum coverage per row at 254 mm, an impressive light output of 490 lumens per meter (6500 K), and class leading efficacy of 103 lm/W (6500 K)—delivering both value and performance in a solution costing 50% less.

Lens style module increases viewing angle by 33% over predecessor

52 modules (White), 86 modules (Red) per 60 W power supply

Available in White (6500 K) and Red

Versatile mounting options

- Most powerful and efficient lighting option in its class
- Ideal for single row, 125 mm (5") deep channel letters
- Use fewer modules for faster installation and lower cost per sign
- Versatile mounting options

VL⁺3

Product	Desired can depth							
	50 mm (2 in)	75 mm (3 in)	100 mm (4 in)	125 mm (5 in)	150 mm (6 in)	178 mm (7 in)	200 mm (8 in)	228 mm+ (9 in+)
VL Plus 3								

■ Optimal ■ Acceptable

Evolution through innovation.

VL Plus 3 is the result of in-depth market research and end user feedback, answering the call to provide an efficient, cost-effective, high quality lens based module for face lit channel letters. VL Plus 3 reaffirms the value promise of its predecessors, offering the sign industry an everyday channel letter lighting solution that delivers performance and reliability, while dramatically eliminating cost at every turn.

Consistency is key.

The human eye is an incredibly sensitive instrument, and our brains are wired to detect exceptions and inconsistencies in our environment. Tiny process variations in manufacturing can manifest themselves as a problem when it comes to any product that deals with light and color, and this phenomenon can be observed in lot-to-lot variation in dyes, fabrics, and paints. LEDs are no exception.

Binning is a method of sorting LED chips so that all the LEDs from one particular bin share a similar output and appearance. Many LED systems often demonstrate a temperature range variation of 1000 K, and extreme deviations like that can result in substantial differences in color. SloanLED maintains tight control over the binning process for chip color consistency so your brand is represented accurately every time.

There's no substitute for quality.

Other LED manufacturers use cheaper components and maximize the potential brightness of their products at the expense of longevity; overdriving the LEDs for instant gratification while sacrificing sustainability and endurance. SloanLED uses the highest caliber components in order to offer you a superior product with the longest lifespan.



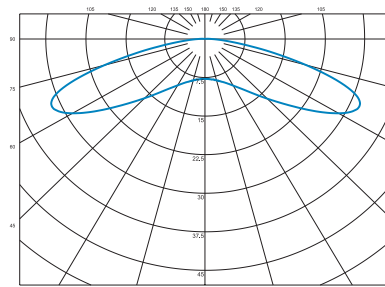
VL Plus 3

Specifications

Part number	White	701269-6WSA3-MB
	Red	701269-RDSA3-MB
Dimensions L × W × H	55 mm × 17 mm × 7 mm	
	(2.16 in × 0.68 in × 0.28 in)	
Viewing angle	160°	
LEDs per module	2	
Modules per meter/foot	4.6 / 1.4	
Maximum coverage per row	Can depth	127 mm (5 in)
	Coverage	254 mm (10 in)
Operating temperature	-40° C to +70° C	
Power per module	White	1.04 W
	Red	0.63 W
Efficacy	White	103 lm/W
	Red	32 lm/W
Protection class	IP66	
Life rating	>60,000 hours	
Power capacity	White	52 modules (11.3 m / 37.1 ft) per SloanLED 60 W 12 VDC power supply
	Red	86 modules (18.7 m / 61.4 ft) per SloanLED 60 W 12 VDC power supply
Fastening	Peel-n-stick and mechanical	

Packaging	White	11.3 m / 37.1 ft (52 modules) per bag, 25 bags per carton
	Red	18.7 m / 61.4 ft (86 modules) per bag, 15 bags per carton
Color temperature/	White	6500 K
nominal wavelength	Red	623 nm
Lumens per module	White	107
	Red	20

Luminous Intensity Distribution



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.

Power Supply Capacity

Item description (Part number)	Power output	White 6500 K	Red
Modules per meter/foot		4.6 / 1.4	4.6 / 1.4
Self-Contained 20 W [701680]	20 W	3.7 m (12.1 ft) / 17 mods	6.3 m (20.7 ft) / 29 mods
Compact 12/25 W [410174]	25 W	4.8 m (15.7 ft) / 22 mods	7.8 m (25.7 ft) / 36 mods
60C1 60 W [701507-60C1] 60W1 60 W [701507-60W1] 60W2 60 W [701507-60W2] MODW(E) 60 W [701507-MODW(E)] MOD277 60 W [701507-MOD277]	60 W	11.3 m (37.1 ft) / 52 mods	18.7 m (61.4 ft) / 86 mods
120D1 120 W [701507-120D1]	120 W	2 × 11.3 m (37.1 ft) / 52 mods	2 × 18.7 m (61.4 ft) / 86 mods
Power used per ft (m) in Watts		1.46 (4.77) W	0.88 (2.88) W



Use the online SloanLED Layout Estimator to get a quick VL Plus 3 design and material estimate for your sign.
Visit product page for details.

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