

# VL5

Everyday channel letter lighting solutions



12 VDC

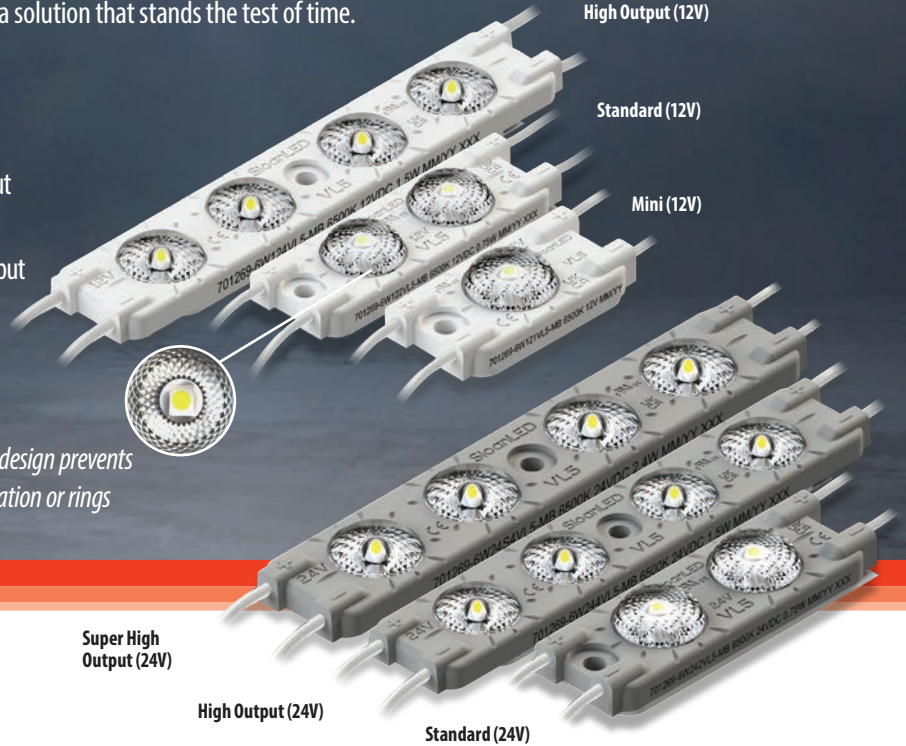
Mini, Standard, HO

24 VDC

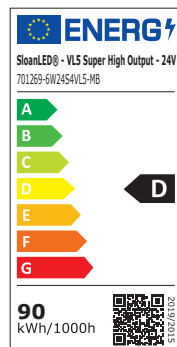
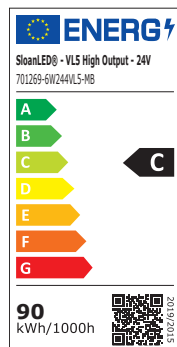
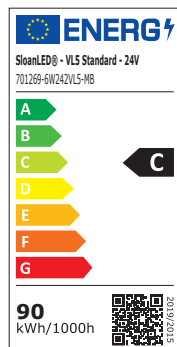
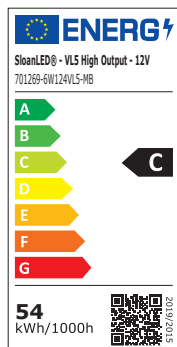
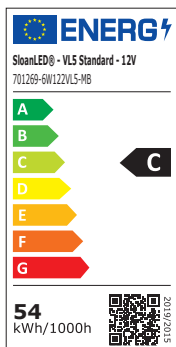
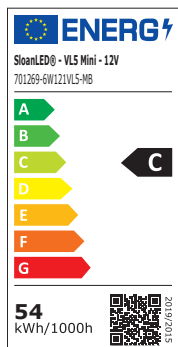
Standard, HO, Super HO

VL5 is the next generation, everyday LED lighting solution for illuminating a wide range of sign and display applications. VL5 shatters expectations with prism lens technology for an ultra-wide radiation pattern, impressive light output, continuous release liner for faster installation, and a lifetime rating of over 54,000 hours—delivering both value and performance in a solution that stands the test of time.

- Improved optics making VL5 the most powerful and efficient lighting option in its class
- Available in 12VDC – Mini, Standard, and High Output (White 3000 K, 4000 K, 5000 K, 6500 K, 7200 K), and 24VDC – Standard, High Output, and Super High Output (White 3000 K, 4000 K, 5000 K, 6500 K, 7200 K)
- Use fewer modules for faster installation and lower cost per sign



*Innovative design prevents color separation or rings*



Specifications subject to change without notice.

# VL5

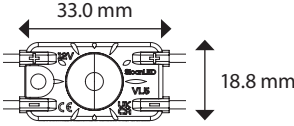
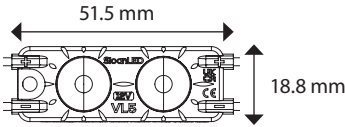
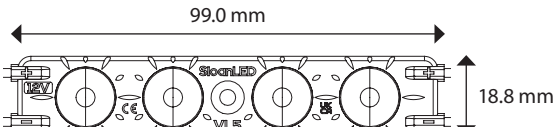
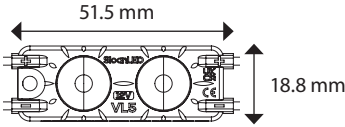
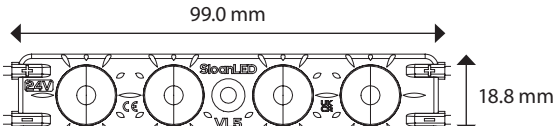
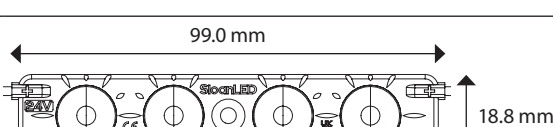
Everyday channel letter lighting solutions



**12 VDC**  
Mini,  
Standard, HO

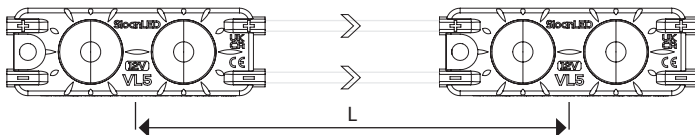
**24 VDC**  
Standard, HO,  
Super HO

## Specifications

MODEL	LEDS	L x W x H		OPTIMAL CAN DEPTH
Mini (12VDC)	1	33.0 mm x 18.8 mm x 8.88 mm		35 - 100 mm
Standard (12VDC)	2	51.5 mm x 18.8 mm x 8.88 mm		50 - 150 mm
HO (12VDC)	4	99.0 mm x 18.8 mm x 8.88 mm		125 - 305+ mm
Standard (24VDC)	2	51.5 mm x 18.8 mm x 8.88 mm		50 - 150 mm
HO (24VDC)	4	99.0 mm x 18.8 mm x 8.88 mm		125 - 300+ mm
Super HO (24VDC)	4	99.0 mm x 18.8 mm x 8.88 mm		175 - 300+ mm

### Module spacing

Mini (12VDC) ..... 151.5 mm maximum module spacing, 115.5 mm wire length  
 Standard (12VDC) ..... 250.0 mm maximum module spacing, 194.5 mm wire length  
 HO (12VDC) ..... 476.2 mm maximum module spacing, 377.2 mm wire length  
 Standard (24VDC) ..... 250.0 mm maximum module spacing, 194.5 mm wire length  
 HO (24VDC) ..... 476.2 mm maximum module spacing, 377.2 mm wire length  
 Super HO (24VDC) ..... 500.0 mm maximum module spacing, 401.0 mm wire length



Viewing angle ..... 165°  
 Operating temperature ..... -40° C to +60° C  
 Optional dimming ..... 0-10 V, PWM, and resistor dimming via SloanLED dimmable drivers  
 Fastening ..... Peel-n-stick  
 Protection class ..... IP66/68 construction  
 Binning ..... 3-Step MacAdam Ellipse  
 Warranty ..... Life of Sign / 10-year limited labor

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12  
VDC

Mini,  
Standard, HO

24  
VDC

Standard, HO,  
Super HO

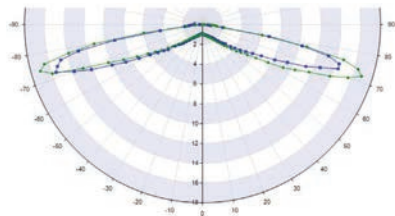
## 12 VDC

MODEL	MODS/M	CCT/NM	PART NUMBER	CRI	POWER/MOD	LUMENS/MOD (NOMINAL)	EFFICACY	MODS/CHAIN	PACKAGING
Mini	6.6	3000 K	701269-3W121VL5	>70	0.38 W	65	173 lm/W	75	11.4 m (75 modules) per daisy chain, 2 daisy chains per bag, 3 bags per carton. <b>Carton dimensions (L x W x H):</b> 37 x 32 x 12.5 mm <b>Carton weight:</b> 4.46 kg
		4000 K	701269-4W121VL5						
		5000 K	701269-5W121VL5						
		6500 K	701269-6W121VL5						
		7200 K	701269-7W121VL5						
Standard	4.0	3000 K	701269-3W122VL5	>70	0.75 W	130	173 lm/W	36	9.0 m (36 modules) per daisy chain, 2 daisy chains per bag, 8 bags per carton. <b>Carton dimensions (L x W x H):</b> 42 x 35 x 20 mm <b>Carton weight:</b> 9.06 kg
		4000 K	701269-4W122VL5						
		5000 K	701269-5W122VL5						
		6500 K	701269-6W122VL5						
		7200 K	701269-7W122VL5						
HO	2.1	3000 K	701269-3W124VL5	>70	1.50 W	260	173 lm/W	18	8.6 m (18 modules) per daisy chain, 2 daisy chains per bag, 12 bags per carton. <b>Carton dimensions (L x W x H):</b> 51 x 32 x 18 mm <b>Carton weight:</b> 12.43 kg
		4000 K	701269-4W124VL5						
		5000 K	701269-5W124VL5						
		6500 K	701269-6W124VL5						
		7200 K	701269-7W124VL5						

## 24 VDC

MODEL	MODS/M	CCT/NM	PART NUMBER	CRI	POWER/MOD	LUMENS/MOD (NOMINAL)	EFFICACY	MODS/CHAIN	PACKAGING
Standard	4.0	3000 K	701269-3W242VL5	>70	0.75 W	130	173 lm/W	60	15.0 m (60 modules) per daisy chain, 2 daisy chains per bag, 4 bags per carton. <b>Carton dimensions (L x W x H):</b> 42 x 32 x 14.5 mm <b>Carton weight:</b> 7.55 kg
		4000 K	701269-4W242VL5						
		5000 K	701269-5W242VL5						
		6500 K	701269-6W242VL5						
		7200 K	701269-7W242VL5						
HO	2.1	3000 K	701269-3W244VL5	>70	1.50 W	260	173 lm/W	30	14.3 m (30 modules) per daisy chain, 2 daisy chains per bag, 8 bags per carton. <b>Carton dimensions (L x W x H):</b> 46 x 32 x 20 mm <b>Carton weight:</b> 13.69 kg
		4000 K	701269-4W244VL5						
		5000 K	701269-5W244VL5						
		6500 K	701269-6W244VL5						
		7200 K	701269-7W244VL5						
Super HO	2.0	3000 K	701269-3W24S4VL5	>70	2.40 W	390	162 lm/W	19	9.5 m (19 modules) per daisy chain, 2 daisy chains per bag, 8 bags per carton. <b>Carton dimensions (L x W x H):</b> 41 x 32 x 19 mm <b>Carton weight:</b> 8.92 kg
		4000 K	701269-4W24S4VL5						
		5000 K	701269-5W24S4VL5						
		6500 K	701269-6W24S4VL5						
		7200 K	701269-7W24S4VL5						

## Luminous Intensity Distribution



VL5 Mini, Standard, and HO (12V);  
VL5 Standard, HO, and Super HO (24V)

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12  
VDC

Mini,  
Standard, HO

24  
VDC

Standard, HO,  
Super HO

## Power Supply Capacity

	VL5 NANO	VL5 MINI	VL5 STANDARD	VL5 HO
<b>12 VDC POWER SUPPLY</b>	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)
<b>30 W (EU/ROW ONLY)</b>	1.65 m / 125 mods	11.4 m / 75 mods	9.0 m / 36 mods	8.6 m / 18 mods
<b>60 W</b>	10.0 m / 250 mods	22.7 m / 150 mods	18.0 m / 72 mods	17.1 m / 36 mods
<b>100 W (EU/ROW ONLY)</b>	N/A	36.7 m / 242 mods	30.0 m / 120 mods	28.6 m / 60 mods
<b>150 W (EU/ROW ONLY)</b>	N/A	55.2 m / 364 mods	45.0 m / 180 mods	42.8 m / 90 mods

	VL5 STANDARD	VL5 HO	VL5 SUPER HO
<b>24 VDC POWER SUPPLY</b>	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)
<b>30 W (EU/ROW ONLY)</b>	9.0 m / 36 mods	8.6 m / 18 mods	5.5 m / 11 mods
<b>60 W</b>	18.0 m / 72 mods	17.1 m / 36 mods	11.0 m / 22 mods
<b>100 W (EU/ROW ONLY)</b>	30.0 m / 120 mods	28.6 m / 60 mods	19.0 m / 38 mods
<b>150 W (EU/ROW ONLY)</b>	45.0 m / 180 mods	42.8 m / 90 mods	28.0 m / 56 mods

## Density Guidelines

SIZE	MODULE COLOR	CAN DEPTH	SINGLE ROW		MULTIPLE ROW		MOD/M <sup>2</sup>
			MAX STROKE WIDTH (MODULE CENTER-TO-CENTER)	LINEAR SPACING (MOD/M)	LINEAR SPACING (MM)	ROW SPACING (MM)	
<b>Mini (12VDC)</b>	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)	37.5 mm	75	13.1	50	50	400.0
		50 mm	125	7.9	150	150	44.4
		75 mm	200	6.6	150	250	26.7
		100 mm	250	6.6	150	300	22.2
<b>Standard (12 &amp; 24VDC)</b>	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)	50 mm	150	6.6	175	175	32.7
		75 mm	250	4.0	250	275	14.5
		100 mm	300	4.0	250	350	11.4
		125 mm	350	4.0	250	400	10.0
		150 mm	400	4.0	250	450	8.9
<b>HO (12 &amp; 24VDC)</b>	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)	125 mm	400	2.5	450	450	4.9
		150 mm	425	2.3	475	500	4.2
		175 mm	475	2.1	475	575	3.7
		200 mm	525	2.1	475	650	3.2
<b>Super HO (24VDC)</b>	White (3000 K, 4000 K, 5000 K, 6500 K, 7200 K)	200 mm	525	2.0	500	650	3.1
		225 mm	575	2.0	500	700	2.9
		250 mm	600	2.0	500	750	2.7

Notes:

- Test results based on Plaskolite 7328 LD.
- 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.

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.

Specifications subject to change without notice.

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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