

# V180

Revolutionary 180° LED modules

## Specifications

**Dimensions L × W × H**..... Large..... 45 mm × 24 mm × 10 mm  
(1.76 in × 0.95 in × 0.38 in)  
Standard<sup>2</sup>..... 42 mm × 21 mm × 8 mm  
(1.63 in × 0.80 in × 0.31 in)  
Mini..... 32 mm × 13 mm × 9 mm  
(1.24 in × 0.50 in × 0.34 in)

**Viewing angle**..... 180°

**LEDs per module**..... 3

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

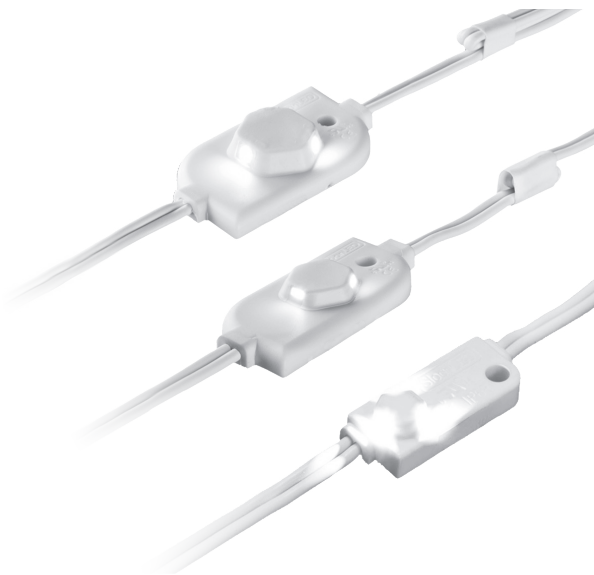
**Protection class**..... IP68

**Special feature**..... Wire stretch feature available on Large

**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.



Size	Modules per meter/foot		Color temperature	Part number	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging of 5 trays per carton
	Natural spacing	Stretched spacing							
Large	6.6/2	3.3/1	6500 K	701269-6WLG2-MB	1.20 W	140	117 lm/W	45 modules	5.3 m / 17.5 ft (35 modules) per tray
			5000 K	701269-5WLG2-MB					
Standard <sup>2</sup>	8/2.5	6.6/2	7200 K	701269-7WSG1-MB	0.55 W	50	90 lm/W	98 modules	7.6 m / 25 ft (62 modules) per tray
			6500 K	701269-6WSG1-MB					
			5000 K	701269-5WSG1-MB					
			4000 K	701269-4WSG1-MB					
			3000 K	701269-3WSG1-MB					
Mini	8/2.5	N/A	6500 K	701269-WLP2-MB	0.31 W	32	103 lm/W	173 modules	9.1 m / 30 ft (75 modules) per tray
HB Mini	6.6/2	N/A	6500 K	701269-6WMG2-MB	0.59 W	58	98 lm/W	92 modules	11.4 m / 37.5 ft (75 modules) per tray

## Power Supply Capacity

12 VDC Power supply <sup>1</sup>	V180 Mini	V180 HB Mini	V180 Standard <sup>2</sup> (natural spacing)	V180 Large (natural spacing)
<b>Modules per meter/foot</b>	6.6/2	8/2.5	8/2.5	6.6/2
25 W Power Supply	8.8 (29) / 73 modules	5.8 (19) / 38 modules	4.9 (16) / 41 modules	2.9 (9.4) / 19 modules
60 W Power Supply	21.0 (69) / 173 modules	14.0 (46) / 92 modules	11.9 (39) / 98 modules	6.9 (22.5) / 45 modules
120 W Power Supply	2 × 21.0 (69) / 173 modules	2 × 14.0 (46) / 92 modules	2 × 11.9 (39) / 98 modules	2 × 6.9 (22.5) / 45 modules
Watts per module	2.56 W (0.78)	3.87 W (1.18)	4.53 W (1.38)	7.88 W (2.4)

<sup>1</sup> Configured for Class 2 Output.  
<sup>2</sup> No longer available.

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## 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 <sup>2</sup> standard face	Modules per M <sup>2</sup> dark vinyl
Large	White - 6500 K, 5000 K	125 mm	6.5	250	225	200	1.2	26.0	28.9
		180 mm	3.3	300				11.0	14.7
Standard <sup>2</sup>	White - 7200 K, 6500 K, 5000 K, 4000 K, 3000 K	100 mm	8	200	175	150	0.55	40.0	45.7
Mini	White - 6500 K  *Use 10 modules per meter per single row only.	<50 mm	13	50	Test	Test	0.31	260.0	Test
		50 mm		75	50	25		173.3	260.0
		60 mm	10					75	50
		70 mm	9 / 10*	100	75	50			
		75 mm	8 / 10*	125	100	75		64.0	80.0
		100 mm		75	50	50		173.3	260.0
HB Mini		50 mm	13	75	50	50	0.59	64.0	106.7
		75 mm	8	125	75	75		43.3	86.7
		100 mm	6.5	150				32.5	65.0
		125 mm		200	100				

**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 V180 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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