

VL Plus 3

Everyday standard face lit solutions

Specifications

Dimensions L x W x H	Standard.....	55 mm x 17 mm x 7 mm (2.16" x 0.68" x 0.28")
	Mini.....	36 mm x 17 mm x 8 mm (1.40" x 0.68" x 0.30")
	HO.....	79 mm x 17 mm x 7 mm (3.10" x 0.68" x 0.28")

Viewing angle..... 160°

Optimal can depth	Standard.....	75-127 mm (3-5")
	Mini.....	50-75 mm (2-3")
	HO.....	127-200 mm (5-8")

Operating temperature..... -40° C to +60° C

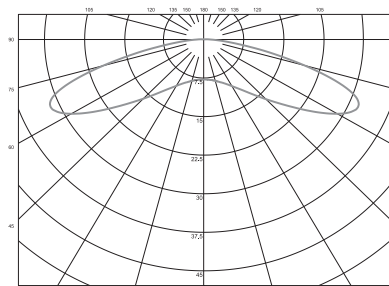
Protection class..... IP66

Life rating..... >60,000 hours

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



Luminous Intensity Distribution



Whites

Model	Part number	Color temperature	Modules per meter/foot	LEDs per module	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging
Standard	701269-6WSA3-MB	6500 K	4.6/m (1.4/ft)	2	1.04 W	107	103 lm/W	52 modules (11.3 m / 37.1 ft)	11.3 m / 37.1 ft (52 modules) per bag, 25 bags per carton
	701269-5WSA3-MB	5000 K				109	102 lm/W		
	701269-4WSA3-MB	4000 K				104	99 lm/W		
	701269-3WSA3-MB	3000 K				82	80 lm/W		
Mini	701269-6WMA3-MB	6500 K	6.7/m (2.0/ft)	1	0.49 W	50	102 lm/W	110 modules 16.8 m (55.0 ft)	16.8 m / 55.0 ft (110 modules) per bag, 5 bags per carton
	701269-5WMA3-MB	5000 K							
	701269-4WMA3-MB	4000 K							
HO	701269-6WHA3-MB	6500 K	4.6/m (1.4/ft)	3	1.27 W	130	102 lm/W	42 modules (9.1 m / 30.0 ft)	9.1 m / 30.0 ft (42 modules) per bag, 10 bags per carton
	701269-5WHA3-MB	5000 K							

Colors

Model	Part number	Color	Nominal wavelength	Modules per meter/foot	LEDs per module	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging
Standard	701269-RDSA3-MB	Red	623	4.6/m (1.4/ft)	2	0.63 W	20	32 lm/W	86 modules (18.7 m / 61.4 ft)	18.7 m / 61.4 ft (86 modules) per bag, 15 bags per carton
	701269-GRSA3-MB	Green	524			0.54 W	40	74 lm/W	100 modules (21.8 m / 71.4 ft)	
	701269-BLSA3-MB	Blue	468			7.5	14 lm/W			

Power Supply Capacity

12 VDC Power supply*	Standard			Mini	HO
	White (6500 K, 5000 K, 4000 K, 3000 K)	Red	Green and Blue	White (6500 K, 5000 K, 4000 K)	White (6500 K, 5000 K)
Modules per meter/foot	4.6 / 1.4			6.7 / 2.0	4.6 / 1.4
25 W Power Supply	4.8 m (15.7 ft) / 22 mods	7.8 m (25.7 ft) / 36 mods	8.9 m (29.3 ft) / 41 mods	6.9 m (22.5 ft) / 45 mods	3.7 m (12.1 ft) / 17 mods
60 W Power Supply	11.3 m (37.1 ft) / 52 mods	18.7 m (61.4 ft) / 86 mods	21.8 m (71.4 ft) / 100 mods	16.8 m (55.0 ft) / 110 mods	9.1 m (30.0 ft) / 42 mods
120 W Power Supply	2 x 11.3 m (37.1 ft) / 52 mods	2 x 18.7 m (61.4 ft) / 86 mods	2 x 21.8 m (71.4 ft) / 100 mods	2 x 16.8 m (55.0 ft) / 110 mods	2 x 9.1 m (30.0 ft) / 42 mods
Power used per m (ft) in Watts	4.77 (1.46) W	2.88 (0.88) W	2.48 (0.76) W	3.21 (0.98) W	5.83 (1.78) W

* Configured for Class 2 Output.



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.



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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 ² standard face	Modules per M ² dark vinyl
Standard	White - 6500 K, 5000 K, 4000 K, 3000 K	75 mm	6.5	100	75	50	1.04	65.0	86.7
		100 mm		125	100	75		52.0	65
		125 mm	4.6	250	225	200		18.4	20.4
	Red	50 mm	10	100	75	50	0.63	100.0	133.3
		80 mm	6.5	150	125	100		43.3	52.0
	Mini	White - 6500 K	40 mm	13	75	Test	Test	0.49	173.3
50 mm			10	100	Test	Test	100.0		Test
75 mm			8	125	100	75	64.0		80.0
100 mm			6.5	150	125	100	43.3		52.0

Notes:

- 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.
- 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.
- Based on European face materials.
- Maximum single row coverage is (Millimeters on center with standard face) × 1.25.

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.

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