SloanLED Prism[12]

Premium 12V LED
channel letter lighting solution

Specifications

Dimensions L × W × H..... 3.05" × 0.70" × 0.37"

LEDs per module..... 3

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

Optional dimming..... PWM (Pulse width modulation, SloanLED Universal LED Wireless Dimmer 601115)

Binning..... MacAdam Ellipse 3-Step (whites)

Protection class..... IP66 & IP68*

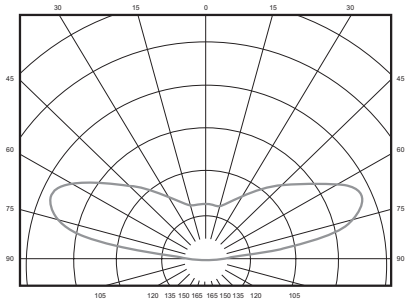
Life rating..... >60,000 hours‡

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

E215393 241542 E228569

* Prism[12] IP68 test parameters are 1.3 m submersion for 30 minutes. Do not mount in submerged application or where module will be directly exposed to prolonged flowing or dripping water.
† Configured for Class 2 Output.
‡ Based on LM-80 data for white LEDs.

Luminous Intensity Distribution



Whites

Modules per ft	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
1.5	7100 K§	701269-7W12SJ1-MB	3-8"	0.92 W	124	135 lm/W	38.7 ft (58 modules) per bag, 5 bags per carton
	6500 K	701269-6W12SJ1-MB					
	5000 K§	701269-5W12SJ1-MB					
	4000 K§	701269-4W12SJ1-MB			120	130 lm/W	
	3000 K	701269-3W12SJ1-MB			115	125 lm/W	

§ Availability limited: Call to confirm.

Colors

Modules per ft	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging
1.5	Red	628 nm	701269-RD12SJ1-MB	3-8"	0.72 W	24	33 lm/W	50.0 ft (75 modules) per bag, 4 bags per carton
	Orange	606 nm	701269-OR12SJ1-MB		0.52 W		46 lm/W	69.3 ft (104 modules) per bag, 3 bags per carton
	Green§	527 nm	701269-GR12SJ1-MB		0.72 W	59	82 lm/W	50.0 ft (75 modules) per bag, 4 bags per carton
	Blue	471 nm	701269-BL12SJ1-MB			18	25 lm/W	

§ Availability limited: Call to confirm.

Power Supply Capacity

	SloanLED Prism[12]		
12 VDC Power supply†	White (7100 K, 6500 K, 5000 K, 4000 K, 3000 K)	Red, Green, Blue	Orange
20 W Power supply	12.7 ft / 19 mods	16.7 ft / 25 mods	22.7 ft / 34 mods
60 W Power supply	38.7 ft / 58 mods	50.0 ft / 75 mods	69.3 ft / 104 mods
2 × 60 W Power supply	2 × 38.7 ft / 58 mods	2 × 50.0 ft / 75 mods	2 × 69.3 ft / 104 mods

SloanLED®
Leaders in LED Technology

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Density Guidelines

Model	Module color	Can Depth	Modules per foot	Max. stroke coverage per row		Inches on center dark vinyl*	Inches on center perforated vinyl*
				Single row	Multiple rows		
Standard	White (7100 K, 6500 K, 5000 K,4000 K, 3000 K)	3"	1.5	12.5"	9.5" on center	8.5	7.5
		4"		16"	12" on center	11	10
		5-8"		18"	17" on center	16	15
	Red	2"	3	4"	5" on center	4	3
		3"	1.5	12"	9" on center	8	7
		4"		14"	13" on center	12	11
		5-8"		17"	15" on center	14	13
	Orange	3"	1.5	11"	7" on center	6	5
		4"		14"	11" on center	10	9
		5-8"		16"	13" on center	12	11
	Green	3"	2	9.5"	11" on center	10	9
		4"	1.5	14"	13" on center	12	11
		5-8"		16"	14" on center	13	12
	Blue	3"	1.5	10"	9.5" on center	8	7
		4"		13"	10.5" on center	9	8
		5-8"		17"	15" on center	14	13

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, start 3" from return
- Products can be used in can depths deeper or shallower than listed above, but testing is recommended
- Acrylic material used for all testing was 0.1875" thickness sign grade 7328 acrylic for White LEDs

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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10 YEAR Product & Labor WARRANTY

Visit product page for details.

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Specifications subject to change without notice.

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