

# SloanLED Prism<sup>24</sup>

Premium 24V LED  
channel letter lighting solution



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## Specifications

**Dimensions L x W x H** ..... 2.4" x 0.5" x 0.4"  
(61 mm x 14 mm x 11 mm)

**LEDs per module** ..... 4

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

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

**Binning** ..... MacAdam Ellipse 3-Step

**Protection class** ..... IP66 & IP68\*

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

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



## Whites

Model	Modules per foot/meter	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging of 5 bags per carton
Standard	1.2/ft (3.9/m)	7100 K	701269-7W24SJ1-MB	3-8" (75-200 mm)	0.86 W	138	160 lm/W	43.3 ft / 13.2 m (52 modules) per bag
		6500 K	701269-6W24SJ1-MB					
		5000 K	701269-5W24SJ1-MB					
		4000 K	701269-4W24SJ1-MB					
		3000 K	701269-3W24SJ1-MB					
High Output	0.8/ft (2.6/m)	6500 K	701269-6W24HJ3-MB	5-12" (127-305 mm)	1.20 W	180	150 lm/W	47.5 ft / 14.5 m (38 modules) per bag
		5000 K	701269-5W24HJ3-MB					

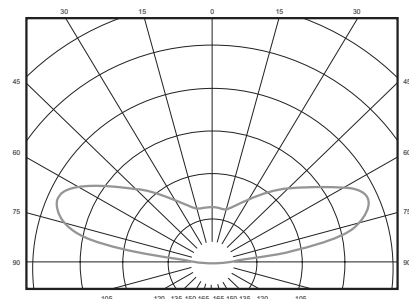
## Colors

Model	Modules per meter/foot	Color	Nominal wavelength	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging of 5 bags per carton
Standard	1.5/ft (4.9/m)	Red	623 nm	701269-RD24SJ1-MB	3-8" (75-200 mm)	0.43 W	26	60 lm/W	34.7 ft / 10.6 m (52 modules) per bag
		Green	527 nm	701269-GR24SJ1-MB		0.54 W	59	109 lm/W	
		Blue	468 nm	701269-BL24SJ1-MB		0.59 W	18	31 lm/W	

## Power Supply Capacity

24 VDC Power supply†	SloanLED Prism <sup>24</sup>				SloanLED Prism <sup>24</sup> H0
	7100 K, 6500 K, 5000 K, 4000 K, 3000 K	Red	Green	Blue	6500 K, 5000 K
60 W Power supply	51.7 ft (15.8 m) / 62 mods	83.4 ft (25.4 m) / 125 mods	66.6 ft (20.3 m) / 100 mods	60.6 ft (18.5 m) / 91 mods	56.3 ft (17.2 m) / 45 mods
100 W Power supply	86.7 ft (26.4 m) / 104 mods	138.7 ft (42.3 m) / 208 mods	111.3 ft (33.9 m) / 167 mods	101.3 ft (30.9 m) / 152 mods	93.8 ft (28.6 m) / 75 mods
300 W Power supply	3 x 86.7 ft (26.4 m) / 104 mods	3 x 138.7 ft (42.3 m) / 208 mods	3 x 111.3 ft (33.9 m) / 167 mods	3 x 101.3 ft (30.9 m) / 152 mods	3 x 93.8 ft (28.6 m) / 75 mods

## Luminous Intensity Distribution



\* Prism<sup>24</sup> 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.

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

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	10"	7" on center	6	5
		4"		14"	10" on center	9	8
		5-8"	1.2	16"	15" on center	14	13
	Red	3"	1.5	11"	8.5" on center	7.5	6.5
		4"		13"	15" on center	14	13
		5-8"		16"	16.5" on center	15.5	14.5
	Green	3"	1.5	8"	9" on center	8	7
		4"		13"	12" on center	11	10
		5-8"		16"	15" on center	14	13
	Blue	3"	2	9"	8" on center	7	6
		4"		12"	11" on center	10	9
		5-8"	1.5	15"	14" on center	13	10
HO	White (6500 K, 5000 K)	5"	0.8	15"	15" on center	14	13
		8"		20"			

**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) Products can be used in can depths deeper or shallower than listed above, but testing is recommended.
- 4) The acrylic material used for all testing was 3/16" thickness sign grade 7328 acrylic.

These guidelines are intended to provide only an approximation of SloanLED Prism<sup>24</sup> 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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Specifications subject to change without notice.

