

# SloanLED Prism

Premium 12V LED channel letter lighting solution

## Specifications

- Dimensions L x W x H** ..... Whites ..... 2.75 in x 0.75 in x 0.44 in  
(70 mm x 19 mm x 11 mm)  
Colors..... 2.75 in x 0.75 in x 0.50 in  
(70 mm x 19 mm x 13 mm)
- LEDs per module** ..... 3
- Operating temperature** ..... -40° C to +70° C
- Protection class** ..... IP66 & IP68\*
- Binning** ..... MacAdam Ellipse 3-Step
- Life rating** ..... >60,000 hours
- Fastening** ..... Peel-n-stick and mechanical



For large channel letter and sign box applications 5-8" (127-305 mm) deep, SloanLED recommends:

**SloanLED Prism<sup>24</sup> HO**  
Premium 24V LED lighting solution for large channel letters

[VISIT PRODUCT PAGE](#)

## Whites

Model	Modules per foot/meter	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging of 5 trays per carton
SloanLED Prism	1/ft (3.3/m)	6500 K	701269-6WSJ2-MB	3-8" (75-200 mm)	1.12 W	124	111 lm/W	48 modules (48.0 ft / 14.6 m)	48.0 ft / 14.6 m (48 modules) per tray
	1.5/ft (4.9/m)	7100 K	701269-7WSJ1-MB					48 modules (32.0 ft / 9.8 m)	32.0 ft / 9.8 m (48 modules) per tray
		6500 K	701269-6WSJ1-MB						
		5700 K	701269-57SJ1-MB						
		5000 K	701269-5WSJ1-MB						
		4000 K	701269-4WSJ1-MB						
	3000 K	701269-3WSJ1-MB							
2/ft (6.6/m)	6500 K	701269-6WSJ3-MB	48 modules (24.0 ft / 7.3 m)	24.0 ft / 7.3 m (48 modules) per tray					

## Colors

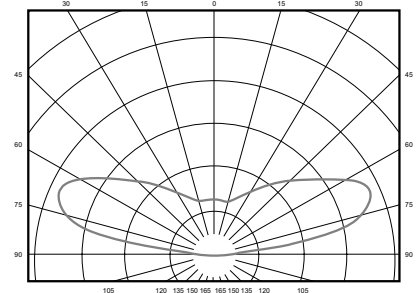
Part number	Color	Nominal wavelength	Modules per foot/meter	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging of 5 trays per carton
701269-RDSJ3-MB	Red	628	2/ft (6.6/m)	3-8" (75-200 mm)	0.72 W	24	33.5 lm/W	75 modules (37.5 ft / 11.4 m)	24 ft / 7.3 m (48 modules) per tray
701269-RDSJ1-MB									
701269-ORSJ1-MB	Orange	606	1.5/ft (4.9/m)					75 modules (50 ft / 15.2 m)	32 ft / 9.8 m (48 modules) per tray
701269-YLSJ1-MB	Yellow	589							
701269-GRSJ1-MB	Green	527							
701269-BLSJ1-MB	Blue	471							



\* Prism 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.

Luminous Intensity Distribution



**SloanLED**  
A Principal Industries Company

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## Power Supply Capacity

12 VDC Power supply†	SloanLED Prism 6500 K	SloanLED Prism, 7100 K, 6500 K, 5700 K, 5000 K, 4000 K, 3000 K	Red , Orange, Yellow, Green, Blue	Red
<b>Modules per foot/meter</b>	1/3.3	1.5/4.9	1.5/4.9	2/6.6
20 W Power supply	16 ft (4.9 m) / 16 mods	10 ft (3.3 m) / 16 mods	16.7 ft (5.1 m) / 25 mods	12.5 ft (3.8 m) / 25 mods
60 W Power supply	48 ft (14.6 m) / 48 mods	32 ft (9.8 m) / 48 mods	50 ft (15.2 m) / 75 mods	37.5 ft (11.4 m) / 75 mods
2 × 60 W Power supply	2 × 48 ft (14.6 m) / 48 mods	2 × 32 ft (9.8 m) / 48 mods	2 × 50 ft (15.2 m) / 75 mods	2 × 37.5 ft (11.4 m) / 75 mods
Watts per module	1.12	1.12	0.72	0.72

## 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, 5700 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"		16"	15" on center	14	13
	Red	2"	3	4"	2" on center	1	1
		3"	1.5	10"	8" on center	7	6
		4"		12"	10" on center	9	8
		5-8"		15"	12" on center	11	10
	Orange	3"	1.5	10"	7" on center	6	5
		4"		12"	10" on center	9	8
		5-8"		15"	12" on center	11	10
	Yellow	3"	2	10"	7" on center	6	5
		4"	1.5	12"	10" on center	9	8
		5-8"		15"	12" on center	11	10
	Green	3"	1.5	7"	7" on center	6	5
		4"		12"	10" on center	9	8
		5-8"		15"	12" on center	11	10
	Blue	3"	2	8"	6" on center	5	4
		4"	1.5	11"	8" on center	7	6
		5-8"		14"	11" on center	10	9

### 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" (76 mm) 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" (5 mm) thickness sign grade 7328 acrylic for White LEDs and 2157 for Red LEDs.

\* Layout requiring one row with can depth 3" (76 mm) or less and/or perforated vinyl needs to be populated at four (4) modules per foot.

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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