

SloanLED Prism

Premium 12V LED channel letter lighting solution

Specifications

- Dimensions L x W x H**..... Whites 70 mm x 19 mm x 11 mm
(2.75 in x 0.75 in x 0.44 in)
Colors..... 70 mm x 19 mm x 13 mm
(2.75 in x 0.75 in x 0.50 in)
- 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 127-305 mm (5-8") deep, SloanLED recommends:

SloanLED Prism²⁴ HO
Premium 24V LED lighting solution for large channel letters



[VISIT PRODUCT PAGE](#)

Whites

Model	Modules per meter/foot	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	3.3/m (1/ft)	6500 K	701269-6WSJ2-MB	75-200 mm (3-8")	1.12 W	124	111 lm/W	48 modules (14.6 m / 48.0 ft)	14.6 m / 48.0 ft (48 modules) per tray
		7100 K	701269-7WSJ1-MB						
	4.9/m (1.5/ft)	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						
	6.6/m (2/ft)	6500 K	701269-6WSJ3-MB						
			115	103 lm/W					
			124	111 lm/W	48 modules (7.3 m / 24.0 ft)	7.3 m / 24.0 ft (48 modules) per tray			

Colors

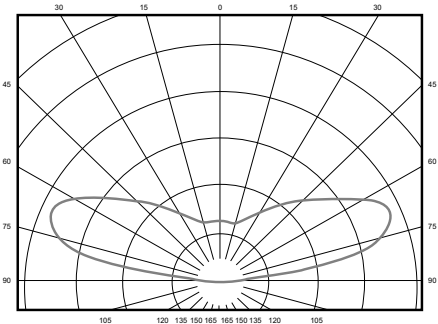
Part number	Color	Nominal wavelength	Modules per meter/foot	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Power capacity per SloanLED 60 W 12 VDC power supply	Packaging of 5 trays per carton				
701269-RDSJ3-MB	Red	628	6.6/m (2/ft)	75-200 mm (3-8")	0.72 W	24	33.5 lm/W	75 modules (11.4 m / 37.5 ft)	7.3 m / 24 ft (48 modules) per tray				
701269-RDSJ1-MB													
701269-ORSJ1-MB	Orange	606	4.9/m (1.5/ft)										
701269-YLSJ1-MB	Yellow	589											
701269-GRSJ1-MB	Green	527											
701269-BLSJ1-MB	Blue	471											
											11	15 lm/W	75 modules (15.2 m / 50 ft)
										60	83 lm/W		
				18	25 lm/W								



* 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



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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
Modules per meter/foot	3.3 / 1	4.9 / 1.5	4.9 / 1.5	6.6 / 2
20 W Power supply	4.9 m (16 ft) / 16 mods	3.3 m (10 ft) / 16 mods	5.1 m (16.7 ft) / 25 mods	3.8 m (12.5 ft) / 25 mods
25 W Power supply	6.1 m (20 ft) / 20 mods	4 m (13.3 ft) / 20 mods	6.3 m (20.7 ft) / 31 mods	4.7 m (15.5 ft) / 31 mods
30 W Power supply (EU/ROW ONLY)	7.3 m (24 ft) / 24 mods	4.9 m (16.0 ft) / 24 mods	7.7 m (25.3 ft) / 38 mods	5.8 m (19.0 ft) / 38 mods
60 W Power supply	14.6 m (48 ft) / 48 mods	9.8 m (32 ft) / 48 mods	15.2 m (50 ft) / 75 mods	11.4 m (37.5 ft) / 75 mods
2 × 60 W Power supply	2 × 14.6 m (48 ft) / 48 mods	2 × 9.8 m (32 ft) / 48 mods	2 × 15.2 m (50 ft) / 75 mods	2 × 11.4 m (37.5 ft) / 75 mods
2 × 75 W Power supply (EU/ROW ONLY)	2 × 18.3 m (60.0 ft) / 60 mods	2 × 12.2 m (40.0 ft) / 60 mods	2 × 19.1 m (62.7 ft) / 94 mods	2 × 14.3 m (47.0 ft) / 94 mods
Watts per module	1.12	1.12	0.72	0.72

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
SloanLED Prism	White - 7100 K, 6500 K (4.9m), 5700 K, 5000 K, 4000 K, 3000 K	75 mm	4.9	175	150	125	1.12	28.0	32.7
		100 mm		250	225	200		19.6	21.8
		125 mm		325	300	275		15.1	16.3
	White - 6500 K (3.3/m)	75 mm	3.3	175	150	125	1.12	28.0	32.7
		100 mm		250	225	200		13.2	14.7
		125 mm		325	300	275		10.2	11.0
	Red	75 mm	4.9	225	175	150	0.72	24.5	28.0
		100 mm		300	225	200		19.6	21.8
		125 mm		350	275	250		16.3	17.8
	Orange	75 mm	4.9	225	200	175	0.72	21.8	24.5
		100 mm		300	275	250		16.3	17.8
		125 mm		350	325	300		14.0	15.1
	Yellow	75 mm	4.9	200	175	150	0.72	24.5	28.0
		100 mm		300	275	250		16.3	17.8
		125 mm		350	325	300		14.0	15.1
	Green	75 mm	6.5	175	150	125	0.72	37.1	43.3
		100 mm	4.9	225	200	175		21.8	24.5
		125 mm		275	250	225		17.8	19.6
	Blue	75 mm	6.5	175	150	125	0.72	37.1	43.3
		100 mm	4.9	250	225	200		19.6	21.8
		125 mm		300	275	250		16.3	17.8

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 SloanLED Prism 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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