

SloanLED Prism²⁴

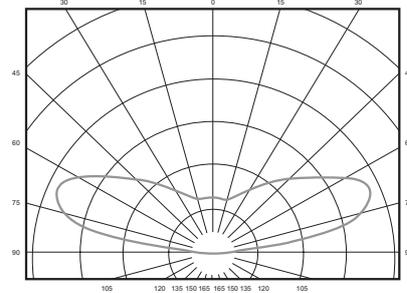
Premium 24V LED
channel letter lighting solution

Specifications

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



Luminous Intensity Distribution



Whites

Model	Modules per meter/foot	Color temperature	Part number	Optimal can depth	Power per module	Lumens per module (nominal)	Efficacy	Packaging of 5 bags per carton
Standard	3.9/m (1.2/ft)	7100 K	701269-7W24SJ1-MB	75-200 mm (3-8")	0.86 W	138	160 lm/W	13.2 m / 43.3 ft (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	2.6/m (0.8/ft)	6500 K	701269-6W24HJ3-MB	127-305 mm (5-12")	1.20 W	180	150 lm/W	14.5 m / 47.5 ft (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	4.9/m (1.5/ft)	Red	623 nm	701269-RD24SJ1-MB	75-200 mm (3-8")	0.43 W	26	60 lm/W	10.6 m / 34.7 ft (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 ²⁴				SloanLED Prism ²⁴ HO
	7100 K, 6500 K, 5000 K, 4000 K, 3000 K	Red	Green	Blue	6500 K, 5000 K
30 W Power supply (EU/ROW ONLY)	7.9 m (25.8 ft) / 31 mods	12.6 m (41.3 ft) / 62 mods	10.2 m (33.3 ft) / 50 mods	9.1 m (30.0 ft) / 45 mods	8.4 m (27.5 ft) / 22 mods
60 W Power supply	15.8 m (51.7 ft) / 62 mods	25.4 m (83.4 ft) / 125 mods	20.3 m (66.6 ft) / 100 mods	18.5 m (60.6 ft) / 91 mods	17.2 m (56.3 ft) / 45 mods
100 W Power supply	26.4 m (86.7 ft) / 104 mods	42.3 m (138.7 ft) / 208 mods	33.9 m (111.3 ft) / 167 mods	30.9 m (101.3 ft) / 152 mods	28.6 m (93.8 ft) / 75 mods
150 W Power supply (EU/ROW ONLY)	39.6 m (130.1 ft) / 156 mods	63.4 m (208.1 ft) / 312 mods	50.8 m (166.6 ft) / 250 mods	46.3 m (152.0 ft) / 228 mods	42.7 m (140.1 ft) / 112 mods
300 W Power supply	3 x 26.4 m (86.7 ft) / 104 mods	3 x 42.3 m (138.7 ft) / 208 mods	3 x 33.9 m (111.3 ft) / 167 mods	3 x 30.9 m (101.3 ft) / 152 mods	3 x 28.6 m (93.8 ft) / 75 mods



* Prism²⁴ 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

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
White - 7100 K, 6500 K, 5000 K, 4000 K, 3000 K	75 mm	4.9	175	150	125	0.86	28.0	32.7
	100 mm	3.9	250	225	200		15.6	17.3
	125 mm		325	300	275		12.0	13.0

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 Prism²⁴ 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.

